Harvest Estates Residential Project (Kerman, CA)

Vesting Tentative Subdivision Map 2025-01, Annexation 2025-01, General Plan Amendment 2025-01, Rezone 2025-01, Environmental Assessment 2025-02

Initial Study – Mitigated Negative Declaration

Public Review Draft

December 2025

City of Kerman
Community Development Department
850 South Madera Avenue
Kerman, CA 93630

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1 INTRODUCTION

Precision Civil Engineering, Inc. (PCE) has prepared this Initial Study/Mitigated Negative Declaration (IS/MND) on behalf of the City of Kerman (City) to address the environmental effects of the proposed Harvest Estates Residential Project (Vesting Tentative Subdivision Map 2025-01, Annexation 2025-01, General Plan Amendment 2025-01, Rezone 2025-01, Environmental Assessment 2025-02) ("Project" or "proposed Project"). This document has been prepared in accordance with the California Environmental Quality Act (CEQA), Public Resources Code Section 21000 *et. seq*. The City of Kerman is the Lead Agency for this proposed Project. The location and proposed Project are described in detail in SECTION 2 ENVIRONMENTAL CHECKLIST FORM.

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 proposed 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 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 mitigated negative declaration and initial study are 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 five (5) chapters plus appendices. SECTION 1 INTRODUCTION provides bases of the IS/MND's regulatory information and an overview of the Project. SECTION 2 ENVIRONMENTAL CHECKLIST FORM provides a detailed description of Project components. SECTION 3 DETERMINATION concludes that based on the Initial Study, a mitigated negative declaration will be prepared, identifies the environmental factors potentially affected based on the analyses contained in this IS, and concludes with the Lead Agency's determination based upon those analyses. SECTION 4 EVALUATION OF ENVIRONMENTAL IMPACTS presents the CEQA checklist and environmental analyses for all impact areas and the mandatory findings of significance. A brief discussion of the reasons why the Project impact is anticipated to be potentially significant, less than significant with mitigation incorporated, less

than significant, or why no impacts are expected is included. SECTION 5 MITIGATION MONITORING AND REPORTING PROGRAM presents the mitigation measures recommended in the IS/MND for the Project. The Air Quality, Greenhouse Gas Emissions, and Energy Technical Memorandum (Appendix A), Biological Resource Assessment (Appendix B), CHRIS Search Record (Appendix C), NAHC SLF Results Letter (Appendix D), Noise Assessment (Appendix E), and Phase I Environmental Site Assessment (Appendix F) are provided at the end of this document.

2 ENVIRONMENTAL CHECKLIST FORM

2.1 Project Title

Harvest Estates Residential Project (Vesting Tentative Subdivision Map (TSM) 2025-01, Annexation (ANX) 2025-01, General Plan Amendment (GPA) 2025-01, Rezone (REZ) 2025-01, Environmental Assessment (ENV) 2025-02)

2.2 Lead Agency Name and Address

City of Kerman
Community Development Department
850 South Madera Avenue
Kerman, CA 93630

2.3 Contact Person and Phone Number

Lead Agency
City of Kerman
Community Development Department
Jerry Jones, Community Development Director
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(559) 550-0829

Applicant
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Fresno, CA 93704
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(559) 260-2740

2.4 Study Prepared By

Precision Civil Engineering
1234 O Street
Fresno, CA 93721
(559) 449-4500

2.5 Project Location

The Project area is currently in the jurisdiction of the County of Fresno, California. The area comprises five (5) parcels identified by the Fresno County Assessor as Assessor Parcel Numbers (APNs) 025-130-48 (19.61 acres), 025-130-47 (19.56 acres), 025-130-60S (15.07 acres), 020-120-11 (20 acres), and 020-120-17S (14.69 acres) totaling approximately 88.89 acres. The Project area is generally bound to the north by West Nielsen Avenue, to the west by North Del Norte Avenue , to the south by West Whitesbridge Road (State Route 180), and to the east by North Vineland Avenue (Figure 2-1 and Figure 2-2).

Parcels identified as APNs 025-10-48, 025-130-47, and 025-130-60S ("Project site" where development is proposed) are located on the east side of North Madera Avenue (State Route 145), between West Whitesbridge Road (State Route 180) to the south and West Nielsen Avenue to the north, adjacent northeast to Kerman City Limits at 402 North Madera Avenue, 342 North Madera Avenue, 134 North Madera Avenue, Kerman, CA 93630 The parcels identified as APN 020-120-11 and APN 020-120-17S are located on the south side of West Nielsen Avenue between North Del Norte Avenue and North Madera Avenue (State Route 145) at 447 North Madera Avenue and 338 North Del Norte Avenue, Kerman, CA 93630. The area is a portion of Section 6, Township 14 South, Range 18 East, Mount Diablo Base and Meridian.

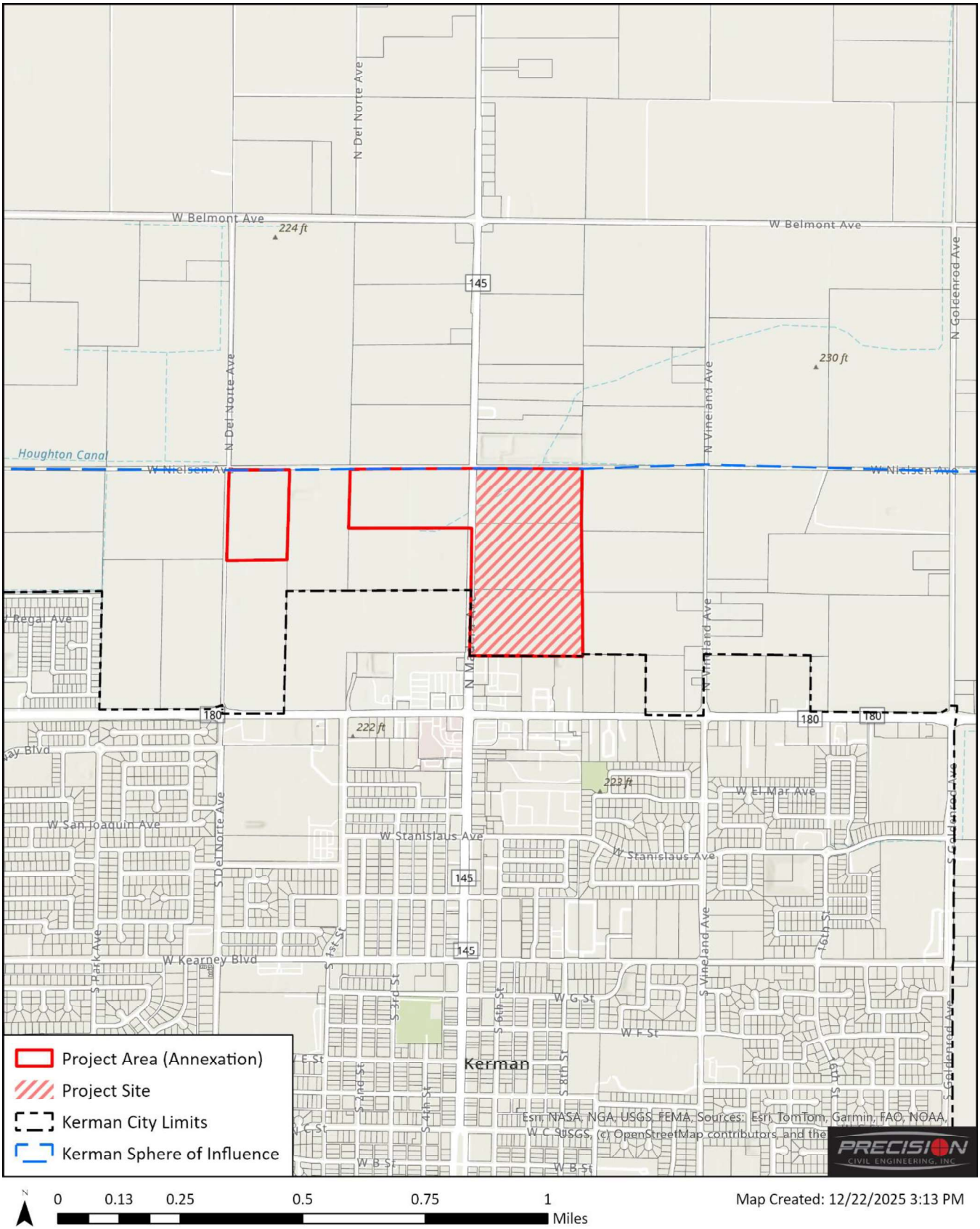


Figure 2-1 Project Location

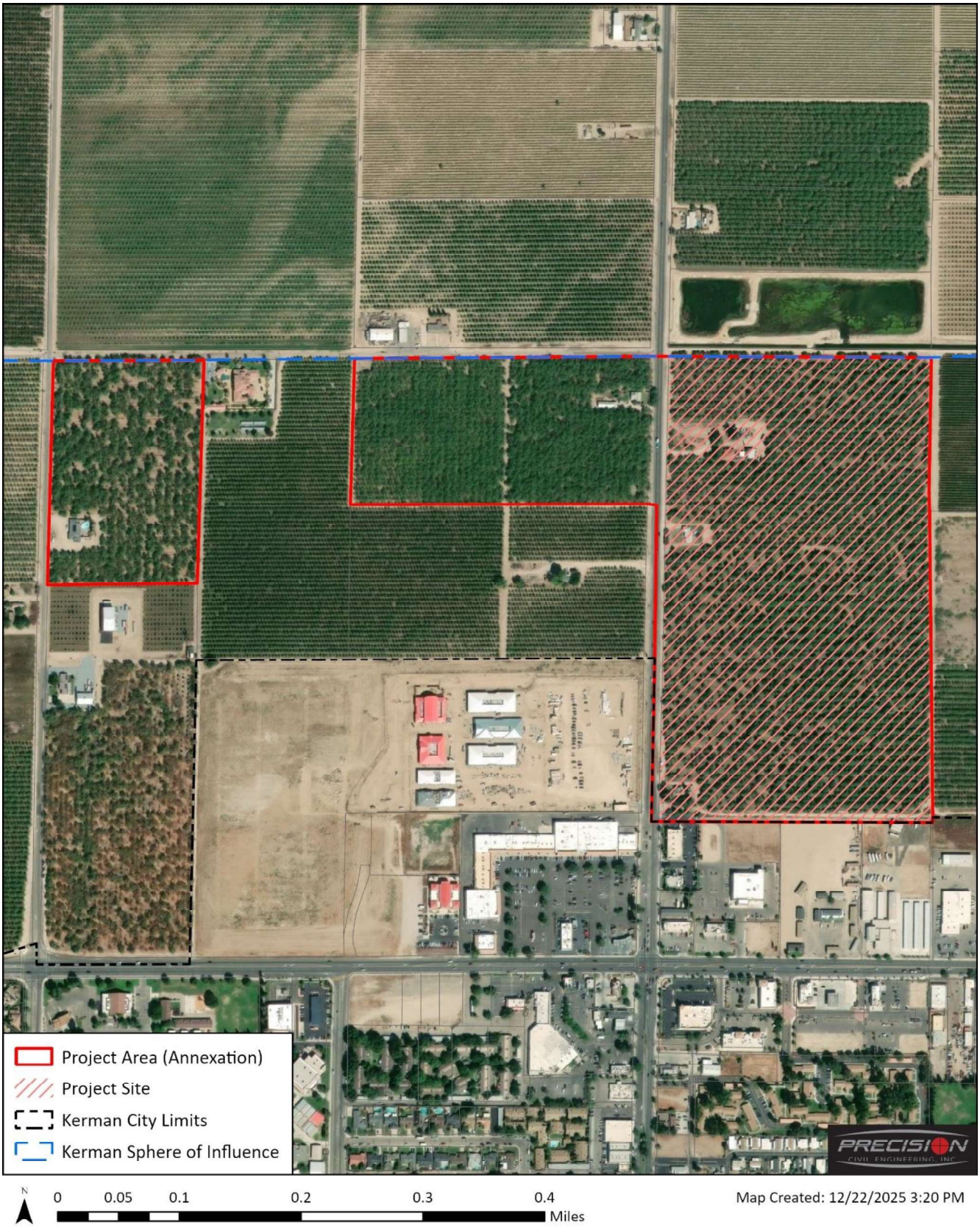


Figure 2-2 Project Aerial

2.6 Latitude and Longitude

The centroid of the Project site is 36°44'23.2"N 120°03'28.7"W.

2.7 General Plan Designation

The Project area has a City of Kerman 2040 General Plan planned land use designation of MDR – Medium Density Residential and GC – General Commercial (Figure 2-3).

According to the General Plan, the MDR land use designation "allows for residential development at a density of up to 12 units per gross acre. Development in this category could include a mix of single-family and multifamily residences, including duplexes, triplexes, fourplexes, and mobile homes." The MDR land use designation is compatible with the R-1-7, R-1-12, R-2, SD-R-5, SD-R-4.5, SD-R-3.5, PD-R-7, and PD-R-12 zoning districts. Typical uses of this land use designation include single-family detached dwellings, small-lot multifamily dwellings including duplexes, triplexes, fourplexes, mobile homes, accessory dwelling units, and compatible public and quasi-public uses (e.g., churches, daycare centers, community centers, parks, and schools).

According to the General Plan, the GC land use designation identifies areas "that are appropriate for shopping centers, retail uses, and offices. Development with this designation will have the following distinguishing features: landscaping, construction of off-street parking, regulated signs, and site plan review of new uses or extensive expansion of existing uses." The GC land use designation is compatible with the CG, CSP, and CS zoning districts. Typical uses of this land use designation include large retail stores and restaurants, personal service/repair, medical, and office uses. The maximum intensity permitted in the GC land use designation is 0.3 floor area ratio (FAR).

2.8 Zoning

The Project area is outside City limits and located within the County of Fresno Agricultural Exclusive - 20 Acres (AE-20) and Limited Agricultural – 20 Acres (AL-20) zoning districts (Figure 2-4).

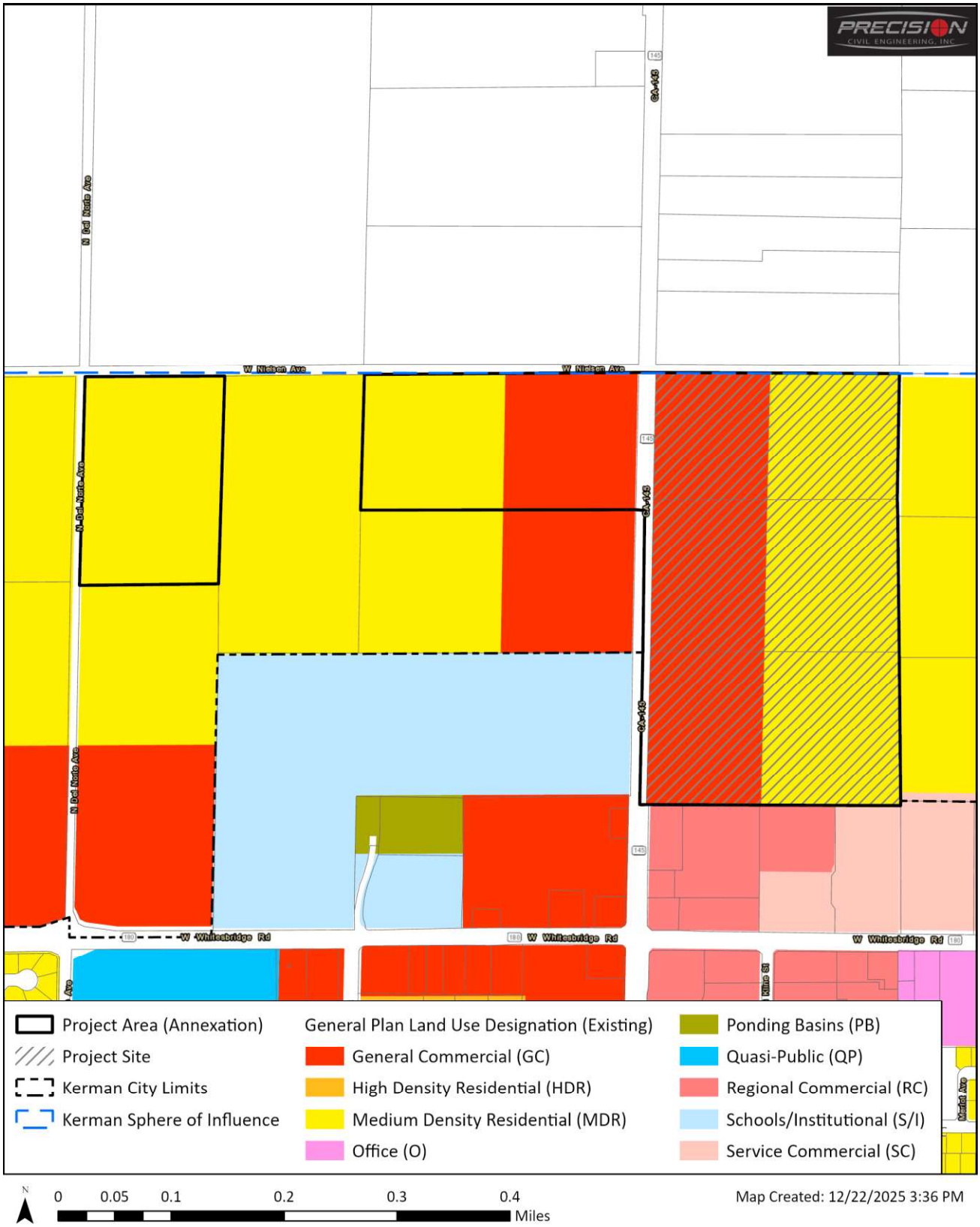


Figure 2-3 City of Kerman General Plan Land Use Designation Map (Existing)



Figure 2-4 Zoning District Map (Existing)

2.9 Description of Project

Annexation 2025-01

Annexation 2025-01 would annex the ± 88.89-acre Project area (APNs 025-130-48, 025-130-47, 025-130-60S, 020-120-11, and 020-120-17S) from the County of Fresno into the Kerman City Limits. The annexation area is currently within the City of Kerman Sphere of Influence and is designated Medium Density Residential (MDR) and General Commercial (GC) by the City of Kerman 2040 General Plan. Annexation 2025-01 requires pre-zoning to City zoning districts consistent with these General Plan land use designations. Parcels identified as APNs 020-120-11 and -17S are proposed for annexation and pre-zoning only; the General Plan Amendment and Tentative Subdivision Map do not affect these parcels.

General Plan Amendment 2025-01

General Plan Amendment 2025-01 applies to a ± 54.2-acre portion of the Project area (APNs 025-130-48, 025-130-47, and 025-130-60S). The amendment would increase the MDR-designated area from ± 29 acres to ± 31 acres, decrease the GC-designated area from ± 24 acres to ± 21 acres, and shift the GC-designated area from the western portion of the site to the northern portion (Figure 2-5). The overall mix of residential and commercial uses would remain, but the spatial arrangement and acreages would be modified. The General Plan Amendment necessitates rezoning of APNs 025-130-48, -47, and 60S for consistency with the proposed land use configuration.

Pre-zone/Rezone 2025-01

Pre-zone/Rezone 2025-01 would pre-zone/rezone the ± 88.89-acre Project area (APNs 025-130-48, 025-130-47, 025-130-60S, 020-120-11, and 020-120-17S) to the Smart Development – Residential – 3,500 square feet average parcel size (SD-R-3.5) and General Commercial (GC) zoning districts, resulting in ± 57 acres zoned SD-R-3.5 and ± 31 acres zoned GC (Figure 2-6). For APNs 020-120-11 and -17S, the proposed SD-R-3.5 and GC zoning would be consistent with the 2040 Kerman General Plan land use designations for these parcels. The proposed SD-R-3.5 and GC zoning for APNs 025-130-48, -47, and 60S would also be consistent with the General Plan land use designations, as amended by General Plan Amendment 2025-01.

Vesting Tentative Subdivision Map 2025-01

Vesting Tentative Subdivision Map 2025-01 (Tentative Tract Map No. 6509) would facilitate a phased subdivision of APNs 025-130-48, 025-130-47, and 025-130-60S into 183 single-family residential lots ("Harvest Estates") and one (1) remainder parcel for future commercial development (Figure 2-7). The single-family lots would be located on the portion of the site that is proposed to be planned MDR and zoned SD-R-3.5, ranging in size from 3,628 square feet to 9,146 square feet with a residential density of 5.85 dwelling units per acre (183 dwelling units divided by 31.28 acres = 5.85 dwelling units per acre). Approximately 1.22 acres of parkland and paseos are proposed within the residential development. The ± 21-acre portion proposed to be planned GC and zoned CG is designated as a commercial remainder parcel, with ± 1.27 acres identified for a temporary ponding basin; the basin would be a retention basin that disposes of runoff resulting from future development of the residential subdivision and future commercial development through evaporation and percolation. Prior to issuance of building permits for the residential units, the Project requires approval of a Development Plan Permit. No development is currently proposed for the commercial remainder.

2.9.1 Scope of Environmental Review

This Initial Study evaluates Annexation 2025-01, General Plan Amendment 2025-01, Pre-zone/Rezone 2025-01, and Vesting Tentative Subdivision Map No. 2025-01 across all five parcels (APNs 025-130-48, 025-130-47, 025-130-60S, 020-120-11, and 020-120-17S; ± 88.89 acres total). Development-focused sections analyze the Harvest Estates residential development pertaining to APNs 025-130-48, -47, and -60S, and annexation-focused sections analyze the annexation and pre/re-zoning of all five parcels (Table 2-1). Development of the ± 21-acre commercial remainder parcel and annexation-only parcels (APNs 020-120-11 and -17S) will require project-specific CEQA review. Each impact section begins with a definition of the analysis boundaries ("Project Components Analyzed").

Table 2-1 Summary of Project Components Analyzed

Project Component	Parcel/APN	Entitlements	Development Proposed	CEQA Review (this Initial Study)
Harvest Estates	025-130-48, -47, -60S	Annexation, General Plan Amendment, Pre-Zone/Rezone, Vesting Tentative Subdivision Map	183 lots (± 31 acres)	Full analysis
Commercial Remainder	025-130-48, -47, -60S	Annexation, General Plan Amendment, Pre-Zone/Rezone, Vesting Tentative Subdivision Map	None (± 21 acres)	Annexation, General Plan Amendment, Pre-/Rezoning, and Vesting Tentative Subdivision Map only; future development requires project-specific review
Annexation Only	020-120-11, -17S	Annexation, Pre-Zone	None (± 34.69 acres)	Annexation and Pre-Zoning General Plan Consistency; future development requires project-specific review

General Plan Consistency for Annexation-Only Parcels

For APNs 020-120-11 and -17S, no General Plan Amendment, detailed rezoning beyond pre-zoning, subdivision, or specific development proposal is included in the Project. The proposed pre-zoning for APNs 020-120-11 and -17S would be consistent with the existing 2040 Kerman General Plan land use designations, and both parcels are located within the City's adopted Sphere of Influence (Table 2-2). Because no development is proposed on these parcels currently, and the annexation and pre-zoning actions are consistent with the General Plan and within the scope of the General Plan EIR analysis per CEQA Guidelines Section 15183, no additional project-specific environmental study is required for APNs 020-120-11 and 020-120-17S at this time beyond confirming consistency.

Table 2-2 General Plan Consistency Confirmation for Annexation-Only Parcels

Parcel	General Plan Land Use Designation (Existing)	Pre-Zoning	Consistent?
020-120-11	MDR	SD-R-3.5	Yes
020-120-17S	MDR/GC	SD-R-3.5/GC	Yes

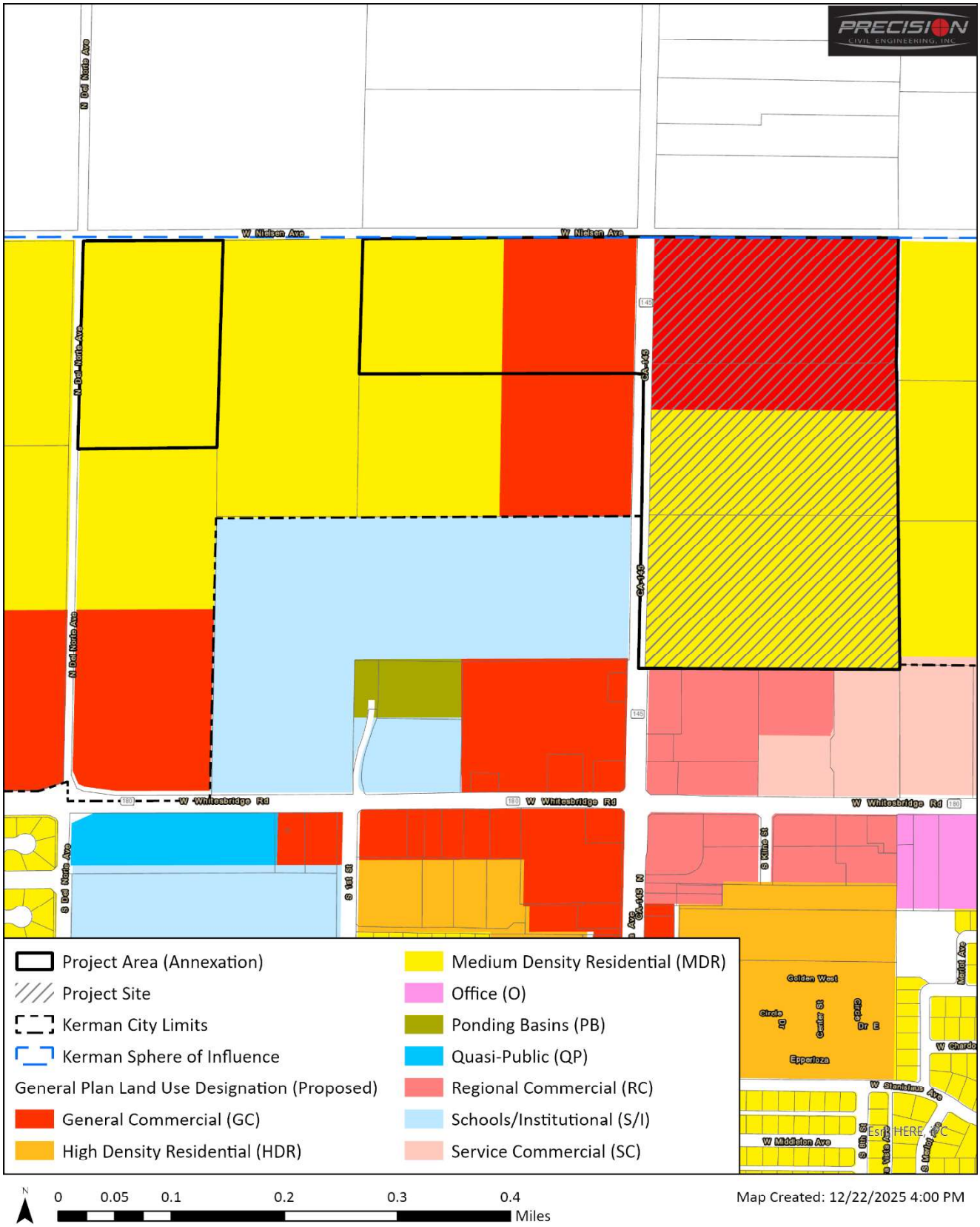


Figure 2-5 City of Kerman General Plan Land Use Designation Map (Proposed)

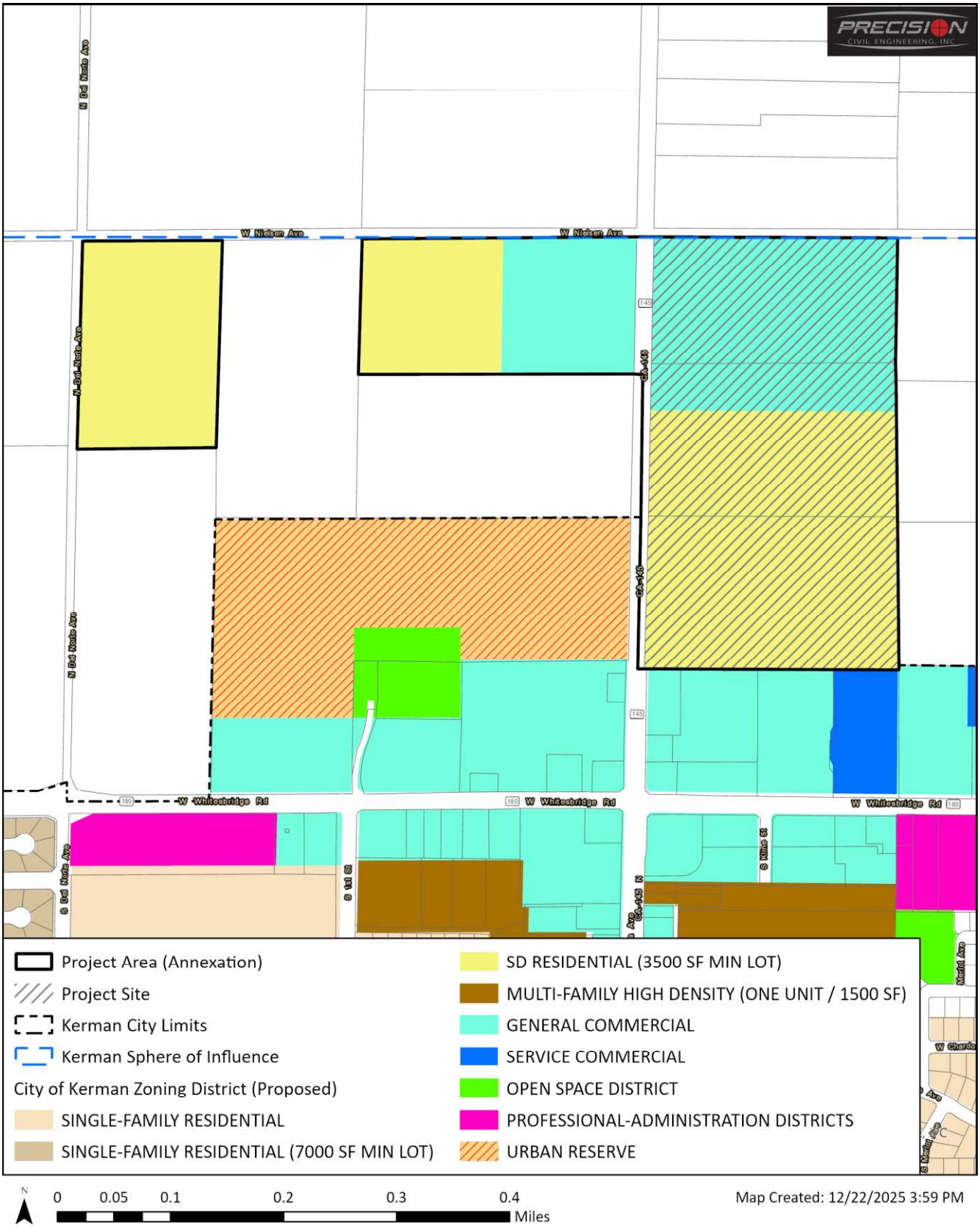
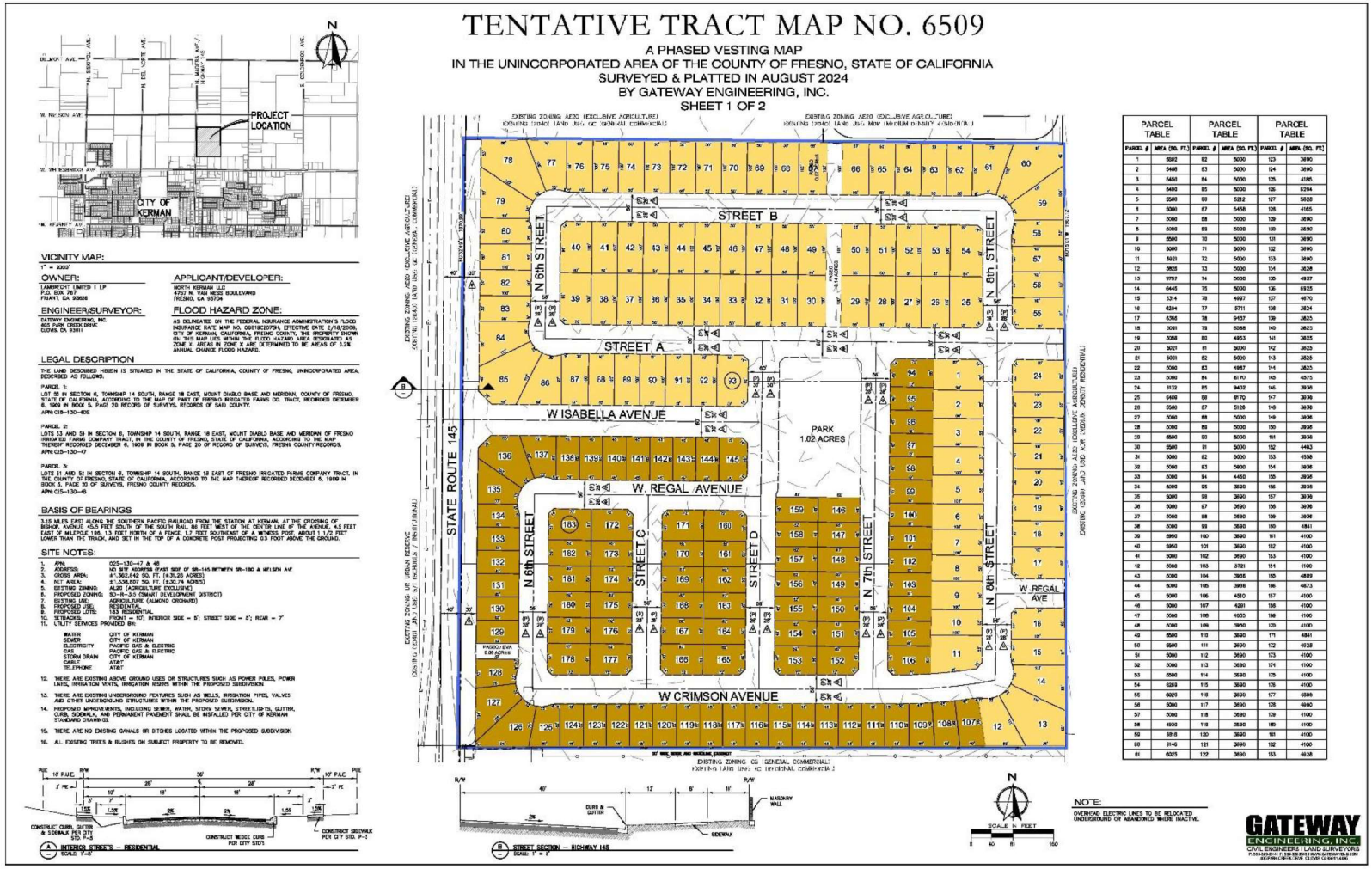


Figure 2-6 City of Kerman Zoning District Map (Proposed)


TENTATIVE TRACT MAP NO. 6509
A PHASED VESTING MAP
IN THE UNINCORPORATED AREA OF THE COUNTY OF FRESNO, STATE OF CALIFORNIA
SURVEYED & PLATTED IN AUGUST 2024
BY GATEWAY ENGINEERING, INC.
SHEET 1 OF 2
PROJECT LOCATION
CITY OF KERMAN
VICINITY MAP:
OWNER:
APPLICANT/DEVELOPER:
ENGINEER/SURVEYOR:
FLOOD HAZARD ZONE:
LEGAL DESCRIPTION
BASIS OF BEARINGS
SITE NOTES:
STREET A
STREET B
STREET C
STREET D
N 6th STREET
N 7th STREET
N 8th STREET
W ISABELLA AVENUE
W. REGAL AVENUE
W REGAL AVE
W CRIMSON AVENUE
STATE ROUTE 145
PARK
1.02 ACRES
PARCEL TABLE
NOTE:
GATEWAY ENGINEERING, INC.

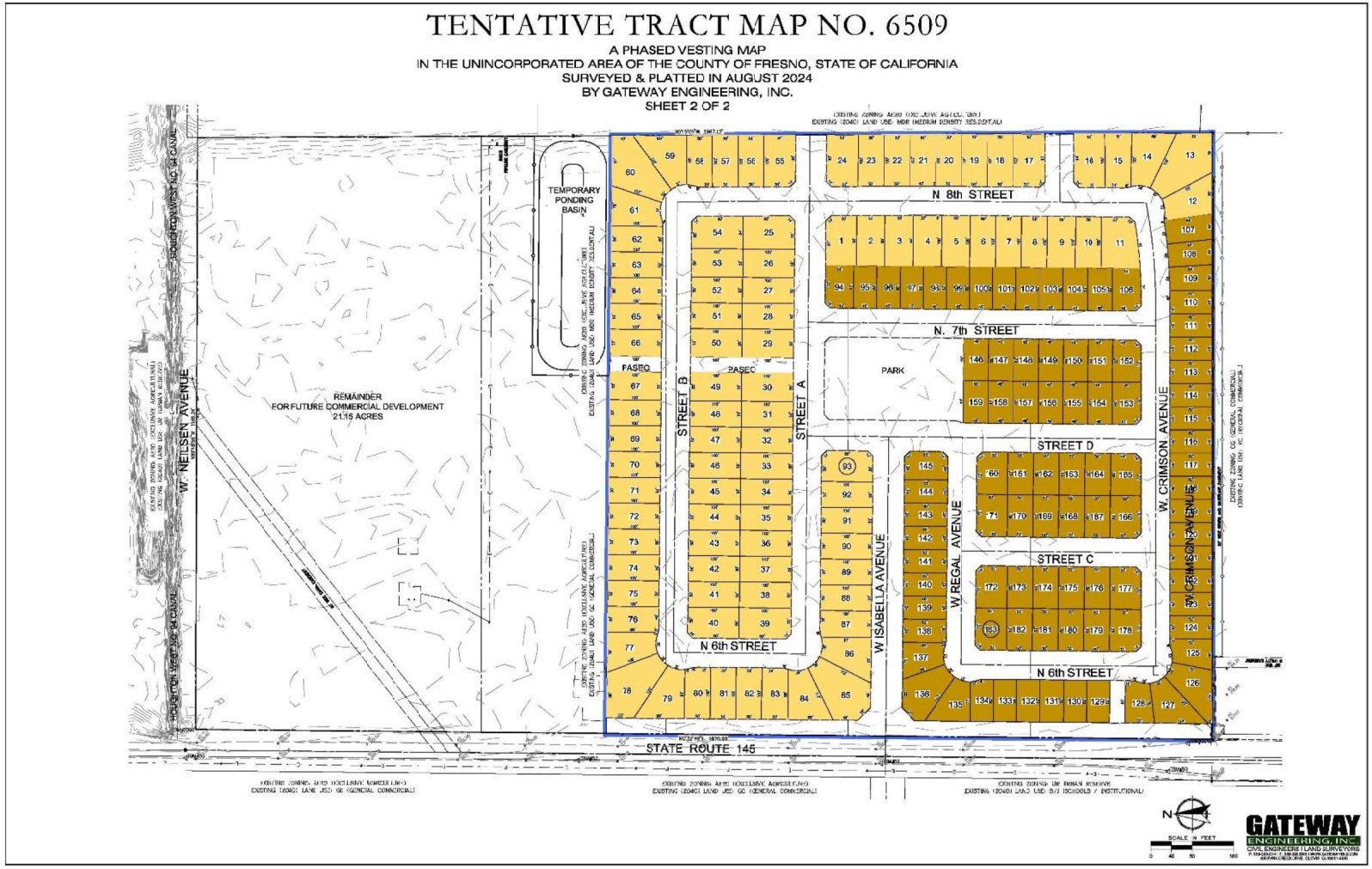


Figure 2-7 Tentative Subdivision Map

2.10 Project Setting and Surrounding Land Uses

2.10.1 Existing Site Conditions

The Project area has historically been and is currently operated as agricultural land with rural residential, single-family residences. There are existing single-family residences located at 402 North Madera Avenue, 342 North Madera Avenue, 134 North Madera Avenue, 447 North Madera Avenue, and 338 North Del Norte Avenue, Kerman, CA 93630Kerman, CA 93630. The Project area is planned for residential and commercial use within Kerman's Sphere of Influence (SOI).

The Project area is relatively flat with stable, sandy loam soil types drained with more than 80-inch water table depth. There is one water feature on the parcel identified as APN 025-130-60S , a Fresno Irrigation District (FID) canal and pipeline that traverses through the northern portion of the site, from West Nielsen Avenue southwest toward North Madera Avenue (APN 025-130-60S), which includes FID's Whitmore No. 346. FID's Houghton West No. 94 runs westerly along the north edge of the Project site, along Nielsen Avenue.

The existing biotic site conditions and resources of the Project area can be defined primarily as ruderal and are highly disturbed due to agricultural production. There are several trees located around the existing structures on the site.

2.10.2 Williamson Act

The Project area is currently under two (2) Williamson Act contracts, Agricultural Preserve (AP) No. 2755 and AP No. 6920, pertaining to APNs 025-130-48 and 025-130-47. The City of Kerman protested both contracts, as allowed under California Government Code Section 51243.5. The protest for AP No. 2755 was adopted on February 16, 1971, and the protest for AP No. 6920 was adopted on January 6, 1983. As a result of these protests, upon annexation into the Kerman City Limits, the contracts would be automatically terminated.

2.10.3 Existing Roadways and Access

The Project area is generally accessible by state highways, North Madera Avenue (State Route 145), and West Whitesbridge Road (State Route 180), and designed collectors, West Nielsen Avenue and North Del Norte Avenue. These roadways in the vicinity of the Project area are not currently developed to the ultimate right-of-way; there are no existing street improvements such as curb, gutter, sidewalks, or streetlights.

2.10.4 Surrounding Land Uses

As referenced in Table 2-3, the Project area is surrounded by existing agricultural land and single-family residences, existing commercial uses, and by a combination of existing agricultural land, single-family residences, and Harvest Elementary School. There are also several existing single-family residences within a quarter-mile proximity to the Project area boundaries, generally located along West Nielsen Avenue, North Madera Avenue, North Vineland Avenue, and West Whitesbridge Road (State Route 180).

The properties to the north are currently planned as Urban Reserve, properties to the east are planned as Medium Density Residential and Ponding Basins, properties to the south are planned General Commercial, Regional Commercial, Service Commercial, and Schools/Institutional and properties to the west are planned for Medium Density Residential and General Commercial. All the surrounding properties are either in Kerman City Limits or

Sphere of Influence, except for the Urban Reserve planned land to the north, which is outside City Limits and the Sphere of Influence.

Table 2-3 Existing Uses, General Plan Designations, and Zoning districts of Surrounding Properties

Direction from the Project site	Existing Land Use	Planned Land Use	Zoning District
North	Agriculture	Urban Reserve (outside Kerman SOI)	AE-20 (County)
South	Commercial	General Commercial, Regional Commercial, Service Commercial, and Schools/Institutional	AL-20 (County); CG – General Commercial; CS – Service Commercial
East	Agricultural	Medium Density Residential, Ponding Basins	AE-20, AL-20 (County)
West	Agricultural; School (Harvest Elementary)	General Commercial, Medium Density Residential	AE-20, AL-20 (County)

2.11 Site Preparation

Site preparation would be limited to the portion of the site proposed for the 183 single-family lots, parkland, paseos, and temporary ponding basin (APNs 025-130-48, -47, 60S). Site preparation would include removal of the almond orchard and existing structures as well as typical grading activities and minor excavation for installation of utility infrastructure for dry utilities and conveyance of water, sewer, stormwater, and irrigation. Site preparation, building, grading, encroachment, and site utilities permits would be subject to review and approval by the City of Kerman to ensure compliance with applicable codes and regulations. Compliance would be verified through the permitting and inspection process.

2.12 Project Construction and Phasing

Construction would be limited to the portion of the site proposed for the 183 single-family lots, parkland, paseos, and temporary ponding basin (APNs 025-130-48, -47, 60S). Construction is proposed to be completed in two phases, with ± 93 lots constructed in one phase and ± 90 lots constructed in another phase. Phasing would be determined at the submission of the Final Map(s).

2.13 Project Components

2.13.1 Site Layout

The Project proposes 183 single-family lots, parkland, paseos, and a temporary ponding basin, in addition to a network of internal streets and boulevards with primary access from Madera Avenue (State Route 145).

2.13.2 Site Circulation and Parking

Access to the residential subdivision would be provided from Madera Avenue (State Route 145) through one main entrance, West Isabella Avenue. The development's internal road network would connect to West Isabella Avenue; all roadways would be built to City Standards and include curb, gutter, and sidewalk. This internal street network would provide primary access for the residential portion of the site. The proposed temporary ponding basin, park, and paseos would also be accessible via this network. In compliance with the Kerman Municipal Code, each single-family detached home would be required to have at least two (2) covered parking spaces.

2.13.3 Open Space and Landscaping

The Project design for the residential development incorporates both private and common open spaces. Private open space would be provided for each single-family lot in the form of front, side, and rear yards. Common open space would be developed as parkland and paseos. In addition, all landscaping within the roadway design will be installed in accordance with City Standards.

2.13.4 Public Services and Utilities

The Project area would be annexed into City limits, requiring it to connect to City-provided water, wastewater, and stormwater services. Other services, such as natural gas, electricity, telecommunications, and solid waste, would be provided by private companies. The Project, and future development of the annexation/pre-zone only parcels, would also be required to pay fees to support public services like fire protection, police, and schools.

2.14 Required Project Approvals

The City of Kerman requires the following review, permits, and/or approvals for the residential portion, including the temporary ponding basin, of the proposed Project (APNs 025-130-48, -47, 60S). Development of the remainder parcel with commercial uses (APN 025-130-60S) and the annexation/pre-zone only parcels (APNs 020-120-11, -17S) would be subject to project-specific entitlement and environmental review. Other approvals not listed below may be required as identified through the entitlement process.

- Annexation
- General Plan Amendment
- Rezone
- Conditional Use Permit
- Tentative Subdivision Map
- Final Subdivision Map
- Development Plan Review Permit
- Building Permit
- Demolition Permit
- Grading Permit
- Encroachment Permit
- Sign Permit
- Public Improvement Plans
- Vacation

In addition, other agencies may have the authority to issue permits prior to implementation of the Project including but not limited to: North Central Fire Protection District, Fresno County Department of Public Health, Fresno Local Agency Formation Commission, San Joaquin Valley Air Pollution Control District, Pacific Gas & Electric, Sebastian Corp., Fresno Irrigation District, Caltrans, and California Regional Water Quality Control Board.

2.15 Technical Studies

The analysis of the Project relied in part on the technical studies listed below prepared for the Project (APNs 025-130-48, -47, and -60S), as well as other sources, including, but not limited to, City of Kerman 2040 General Plan

Environmental Impact Report (EIR) SCH No. 2019049018 prepared for the City of Kerman 2040 General Plan Update.

- Air Quality, Energy, and Greenhouse Gas Emissions Technical Memorandum (Appendix A)
- Biological Resource Assessment (Appendix B)
- CHRIS Record Search Results (Appendix C)
- NAHC Letter (Appendix D)
- Noise Assessment (Appendix E)
- Phase I Environmental Site Assessment (Appendix F)

2.16 Consultation with California Native American Tribes

The State requires lead agencies to consider the potential effects of proposed projects and consult with California Native American tribes during the local planning process for the purpose of protecting Traditional Tribal Cultural Resources through the CEQA Guidelines. Pursuant to PRC *Section 21080.3.1(b)*: Prior to the release of a mitigated negative declaration, the lead agency shall begin consultation with a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project if: (1) the California Native American tribe requested to the lead agency, in writing, to be informed by the lead agency through formal notification of proposed projects in the geographic area that is traditionally and culturally affiliated with the tribe, and (2) the California Native American tribe responds, in writing, within 30 days of receipt of the formal notification, and requests the consultation.

Per AB 52, the City of Kerman compiled a list of tribes that have requested, in writing, to be informed by the City through formal notification of proposed projects in the geographic area that is traditionally and culturally affiliated with the tribe. The City also requested a list of tribes with traditional lands or cultural places located within Fresno County from the California Native American Heritage Commission (NAHC). This list was received on May 16, 2025. The compiled lists of tribes to be informed by the City include Amah Mutsun Tribal Band, Northern Valley Yokut / Ohlone Tribe, Tule River Indian Tribe, and Wuksachi Indian Tribe/Eshom Valley Band. The NAHC also conducted a Sacred Lands File (SFL) search for APNs 025-130-48, -47, and -60S, which was negative. On June 13, 2025, the City submitted written notices to each of the aforementioned tribes inviting them to engage in tribal consultation pursuant to AB 52 and SB 18 for APNs 025-130-48, -47, and -60S. No responses were received within the 30- or 90-day consultation period.

3 DETERMINATION

3.1 Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this Project, as indicated by the checklist on the following pages.

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

For purposes of this Initial Study, the following answers have the corresponding meanings:

"No Impact" means the specific impact category does not apply to the Project, or that the record sufficiently demonstrates that Project specific factors or general standards applicable to the Project will result in no impact for the threshold under consideration.

"Less Than Significant Impact" means there is an impact related to the threshold under consideration, but that impact is less than significant.

"Less Than Significant with Mitigation Incorporation" means there is a potentially significant impact related to the threshold under consideration, however, with the mitigation incorporated into the Project, the impact is less than significant. For purposes of this Initial Study "mitigation incorporated into the Project" means mitigation originally described in the GP PEIR and applied to an individual Project, as well as mitigation developed specifically for an individual Project.

"Potentially Significant Impact" means there is substantial evidence that an effect may be significant related to the threshold under consideration.

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 (EIR) 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 EIR 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.

Approved By:

12/30/25

Jerry Jones, Community Development Director — Date
City of Kerman, Community Development Department

4 EVALUATION OF ENVIRONMENTAL IMPACTS

4.1 AESTHETICS

Except as provided in Public Resources Code *Section 21099*, would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?				X
b) Substantially damage scenic resources, including, but not limited to, trees, rock out-croppings, and historic buildings within a state scenic highway?				X
c) In non-urbanized areas, substantially degrade the existing visual character or quality public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the Project is in an urbanized area, would the Project conflict with applicable zoning and other regulations governing scenic quality?			X	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

4.1.1 Project Components Analyzed

For purposes of this aesthetics/visual resources analysis, the "Project site" or "residential subdivision parcels refers only the two parcels proposed for residential subdivision under Vesting Tentative Subdivision Map No. 2025-01 (portions of APNs 025-130-48, 025-130-47, and 025-130-60S totaling approximately 31 acres). These parcels are proposed for 183 single-family lots (“Harvest Estates”) at a density consistent with the Medium Density Residential (MDR) land use designation and SD-R-3.5 zoning. The ± 21-acre commercial remainder parcel (also within the three core parcels) has no specific development proposed at this time and is excluded from this analysis; future commercial development would be subject to separate entitlements and environmental review. Similarly, APNs 020-120-11 and 020-120-17S (annexation/pre-zone only) have no development proposed and are consistent with the General Plan EIR; they are not analyzed here.

4.1.2 Environmental Setting

The Project site, or "residential subdivision parcels," has historically been and is currently operated as agricultural land. The existing use of the Project site is an almond orchard with three (3) existing single-family residences located at 342 North Madera Avenue, 402 North Madera Avenue, and 134 North Madera Avenue, Kerman, CA 93630.

The Project site is located on the east side of North Madera Avenue (State Route 145), between West Whitesbridge Road (State Route 180) to the south and West Nielsen Avenue to the north. North Madera Avenue along the western boundary of the site is a north-south, two-lane road that has not been developed to the ultimate right-of-way; there are no existing street improvements such as curb, gutter, sidewalks, or streetlights.

As referenced in Table 2-3, the Project site is surrounded by existing agricultural land and single-family residences, existing commercial uses, and by a combination of existing agricultural land, single-family residences, and Harvest Elementary School. There are also several existing single-family residences within a quarter-mile proximity to the Project area boundaries, generally located along West Nielsen Avenue, North Madera Avenue, North Vineland Avenue, and West Whitesbridge Road (State Route 180).

The properties to the north are currently planned as Urban Reserve, properties to the east are planned as Medium Density Residential and Ponding Basins, properties to the south are planned General Commercial, Regional Commercial, Service Commercial, and Schools/Institutional and properties to the west are planned for Medium Density Residential and General Commercial. All the surrounding properties are either in Kerman City Limits or Sphere of Influence, except for the Urban Reserve planned land to the north, which is outside City Limits and the Sphere of Influence.

General Plan

The Kerman General Plan Conservation, Open Space, and Recreation Element helps to protect natural resources and habitats as well as enhancing important attributes to provide recreation for its residents. The General Plan does not identify any scenic vistas or corridors. General Plan policies applicable to the visual appearance and character of the City include:

> ***Policy COS-1.1: Visual Resources Protection.*** *The City shall reserve the existing scenic qualities of the community by regulating entryways, view preservation, and landscaping.*
>
> ***Policy COS-1.2: Night Skies Protection.*** *The City shall protect dark/night skies by encouraging measures that direct outdoor lighting downward and away from open space areas, without compromising the safety and security of the community.*
>
> ***Policy COS-1.4: Landscaping Buffers.*** *The City shall integrate landscaping buffers that contribute to neighborhood character to increase safety at the park, and to reduce negative impacts on adjacent residences.*

Residential Design Guidelines

The City of Kerman Residential Design Guidelines provides developers with a clear understanding of the City's expectations for new residential development in the City.[1] The Residential Design Guidelines are used as the framework for evaluation and approval of residential projects. Section 2.2.13 guides the design, location, and level of illumination from lighting for neighborhood streets, alleys, parks, sidewalks, garage, etc., to conserve energy, prevent bright lighting and glare, and to ensure that the design blends into the landscape.

Municipal Code

Kerman Municipal Code (KMC) requires exterior lighting to be shown on the site plan for the submittal of a site plan review application (*KMC Section 17.14.030*). The direction of illumination, type of luminaire, and hooding or shielding devices needs to be shown for all exterior lighting. The approval of the site plan requires a finding on lighting, including:

Section 17.14.040 – Action by the city planner

> *C. The proposed lighting is so arranged as to deflect the light away from adjoining properties;*
>
> *D. The proposed signs will not by size, location, or lighting interfere with traffic or limit visibility;*

Additionally, the Smart Development Combining District (*KMC Section 17.58.060(F)(6)*) requires on-site common open space to be centrally located to promote visibility from surrounding units.

Standard Construction Details

The City's Standard Construction Details regulate the design and construction of streetlight and streetlight placement on local streets, collectors, cul-de-sacs, and divided arterial and expressway streets. These lighting standards ensure that all work conforms to the applicable sections of the specifications entitled "Standard Specifications, State of California, Business and Transportation Agency, Department of Transportation" and in accordance with the National Electrical Code. The luminaire and design of the lighting also prevents substantial light and glare. Decorative streetlights are also regulated to ensure the use of LED luminaire, numbering, materials, and design of all types of light.

California Scenic Highway Program

The California Scenic Highway Program was established in 1963 with the purpose of protecting and enhancing the natural scenic beauty of California highways and adjacent corridors, through special conservation treatment. A highway may be designated scenic depending upon how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view. There are no officially designated State Scenic Highways in the City of Kerman, inclusive of the Project site. The closest eligible State Scenic Highway is State Route (SR) 168 in the City of Clovis, located approximately 18.5 miles northeast of the Project site.[2]

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[1] City of Kerman. 2014. City of Kerman Residential Design Guidelines. Accessed August 25, 2025, https://cityofkerman.net/DocumentCenter/View/136/Residential-Guidelines-PDF?bidId=

[2] Caltrans. California State Scenic Highway System Map. Accessed on August 25, 2025, https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa

4.1.3 Impact Assessment

Except as provided in PRC Section 21099, would the Project:

a) Have a substantial adverse effect on a scenic vista?

No Impact. The Project site is undeveloped and is surrounded by a school and agricultural lands to the west, agricultural lands to the north and east, and commercial lands to the south. The site is generally flat and there are no long-range scenic views (e.g., mountain ranges) that can be seen from the Project site. Furthermore, the General Plan does not identify or designate scenic vistas or corridors within the general vicinity of the Project site. As a result, the Project would not adversely affect scenic vistas and no impact would occur because of the Project.

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

No Impact. According to the California State Scenic Highway Program, there are no officially designated State Scenic Highways in the City of Kerman, inclusive of the Project site. As such, the proposed Project would not damage scenic resources, including trees, rock out-croppings, and historic buildings within a state scenic highway and no impact would occur.

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 Project site is adjacent to urbanized land that is currently being developed or is planned for development. Project parcels are currently operated as agricultural land with few public access points that would have a view of the site since the site can only be seen from North Madera Avenue. In addition, through the entitlement process, development would be subject to compliance with applicable policies and regulations that govern scenic quality including but not limited to the General Plan, Residential Design Guidelines, KMC, and California Building Code. Compliance would ensure that future development would not conflict with applicable zoning and other regulations governing scenic quality. Therefore, a less than significant impact would occur.

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

Less than Significant Impact. Generally, lighting impacts are associated with artificial lighting in evening hours either through interior lighting from windows or exterior lighting (e.g., street lighting, parking lot lighting, landscape lighting, cars, and trucks). Development of the Project site would incrementally increase the amount of light from streetlights, exterior lighting, and vehicular headlights. Such sources could create adverse effects on day or nighttime views in the area.

Project construction would also introduce light and glare resulting from construction activities such as construction equipment traversing the site that could adversely affect day or nighttime views. Although construction activities are anticipated to occur primarily during daylight hours, it is possible that some activities could occur during dusk or early evening hours (KMC ***Section 9.26.020*** permits construction work to take place between 7:00 am and 10:00 pm on any day for work that is accomplished pursuant to a building permit). Construction during these time periods could result in light and glare from construction vehicles or equipment. However, construction would occur

primarily during daylight hours and would be temporary in nature. Once construction is completed, any light and glare from these activities would cease to occur.

Once developed, the Project would be required to comply with the applicable General Plan policies and the enforceable requirements and restrictions contained in the KMC intended to prevent light and glare impacts (See Environmental Setting). Further, compliance with Title 24 lighting requirements as verified through the Building Permit process would reduce impacts related to nighttime light. The lighting requirements cover outdoor spaces including regulations for mounted luminaires (i.e., high efficacy, motion sensor control, time clocks, energy management control systems, etc.). As such, conditions imposed on the Project by the City pursuant to the General Plan, KMC, and Title 24 would result in a less than significant impact.

4.1.4 Mitigation Measures

None required.

4.2 AGRICULTURE AND FORESTRY RESOURCES

	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?			X	
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?		X		
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				X
d)	Result in the loss of forest land or conversion of forest land to non-forest use?				X
e)	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?		X		

4.2.1 Project Components Analyzed

For purposes of this agriculture resources analysis, the "Project area" refers to all five parcels included in Annexation 2025-01 and Pre-zone/Rezone 2025-01: APNs 025-130-48, 025-130-47, 025-130-60S, 020-120-11, and 020-120-17S (approximately 88.89 acres total). These parcels are in active agricultural use and two parcels (APNs 025-130-48, 025-130-47) are subject to two Williamson Act contracts (AP Nos. 2755 and 6920). Three of the parcels (APNs 025-130-48, 025-130-47, and 025-130-60S) are also proposed for General Plan Amendment 2025-01, implementing rezone, and Vesting Tentative Subdivision Map 2025-01 (183 residential lots and commercial remainder), while APNs 020-120-11 and 020-120-17S would receive annexation and pre-zoning only, consistent with existing General Plan designations. This analysis supports the Local Agency Formation Commission (LAFCO)

review of the annexation proposal and evaluates farmland conversion, Williamson Act cancellation, and agricultural conflict potential across the entire Project area.

4.2.2 Environmental Setting

The Project area has historically been and is currently operated as agricultural land with rural residential, single-family residences. There are existing single-family residences located at 402 North Madera Avenue, 342 North Madera Avenue, 134 North Madera Avenue, 447 North Madera Avenue, and 338 North Del Norte Avenue, Kerman, CA 93630 Kerman, CA 93630. The Project area is planned for residential and commercial use within Kerman's Sphere of Influence (SOI).

Farmland Monitoring and Mapping Program

The California Department of Conservation manages the Farmland Mapping and Monitoring Program (FMMP) that provides maps and data for analyzing land use impacts to farmland. The FMMP produces the Important Farmland Finder as a resource map that shows quality (soils) and land use information. Agricultural land is rated according to soil quality and irrigation status, in addition to many other physical and chemical characteristics. The highest quality land is called "Prime Farmland." Maps are updated every two years.

According to the FMMP, California Important Farmland Finder, the Project area is primarily classified as "Prime Farmland" (88.39 acres) with a portion classified as "Urban and Built-up Land" (0.5 acres) (Figure 4-1).[3] "Prime Farmland" is defined as *"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.* "Urban and Built-Up Land" is defined as *"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, construction, institutional, public administration, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes."*

California Land Conservation Act

The California Land Conservation Act of 1965 (i.e., the Williamson Act) allows local governments to enter contracts with private landowners to restrict parcels of land for agricultural or open space uses. In return, property tax assessments of the restricted parcels are lower than full market value since the restricted parcels are assessed according to their restricted use rather than their development potential free of such restriction. The minimum initial term of a Williamson Act contract is 10 years and automatically renews annually upon its anniversary date; as such, the contract length is essentially indefinite unless appropriately cancelled.

The Project area is currently under two (2) Williamson Act contracts, Agricultural Preserve (AP) No. 2755 and AP No. 6920, pertaining to APNs 025-130-48 and 025-130-47. The City of Kerman protested both contracts, as allowed under California Government Code Section 51243.5. The protest for AP No. 2755 was adopted on February 16,

[3] California Department of Conservation. (2018). California Important Farmland Finder. Accessed on August 25, 2025, https://maps.conservation.ca.gov/DLRP/CIFF/

1971, and the protest for AP No. 6920 was adopted on January 6, 1983. As a result of these protests, upon annexation into the Kerman City Limits, the contracts would be automatically terminated.

General Plan

The General Plan established goals, policies, and implementation program regarding the conservation of agricultural land within the city's SOI, as listed below.

Goal LU-4: *To protect agricultural resources in Kerman, particularly prime agricultural land.*

> ***Policy LU-4.1 Agricultural Land Preservation.*** *The City shall preserve and protect agricultural lands by directing development to areas within City limits that are designated for urban-level development, and away from agriculturally designated land to preserve open space and agricultural areas.*
>
> ***Policy LU-4.2 Agricultural Conservation Easements.*** *The City shall consider purchasing agricultural conservation easements to mitigate the loss of agricultural land to urban development within the SOI. These easements must be on land of at least equal quality and size to the land being developed.*
>
> ***Policy LU-4.3 Agricultural Zoning within SOI.*** *The City shall continue to encourage Fresno County to apply large-lot agricultural zoning (20-acre minimum) to unincorporated land within Kerman's Sphere of Influence.*
>
> ***Policy LU-4.5 Right to Farm Disclosure.*** *The City shall require that property owners and applicants within 1,000 feet of agricultural land or agricultural operations sign and record a deed of notification to document that they were informed of the potential agricultural operations and agricultural conditions in the area.*

Implementation Program H: Agricultural Mitigation Program. *The City shall develop an Agricultural Mitigation Program to mitigate the loss of prime agricultural land to urban development within the SOI. This program shall be consistent with the California Department of Conservation's recommendations for the development of an Agricultural Mitigation Program to mitigate for the loss of prime agricultural land at a ratio of 1: 1.*

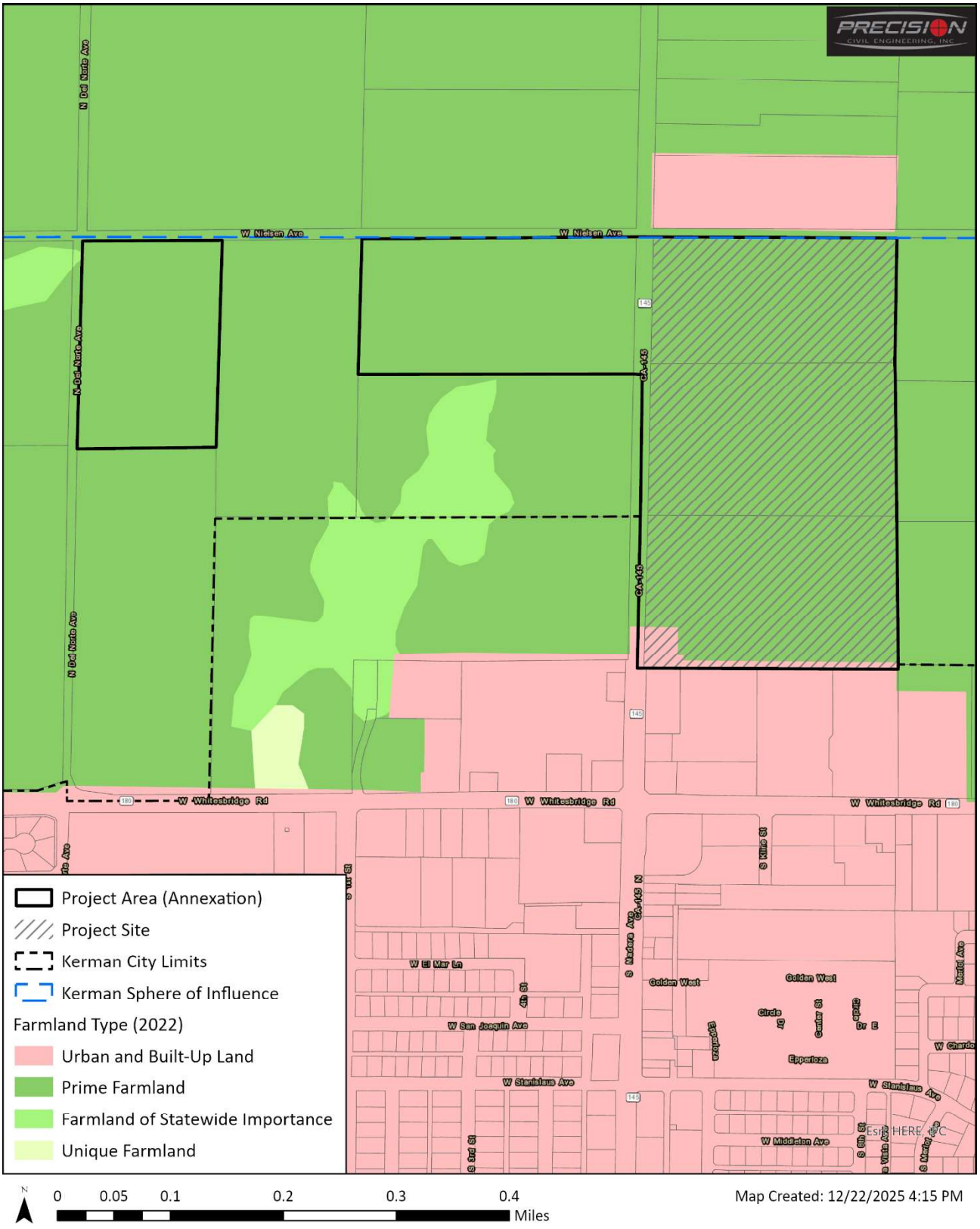


Figure 4-1 Farmland Type

4.2.3 Impact Assessment

Would the Project:

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 area is primarily designated as "Prime Farmland" by the Farmland Mapping and Monitoring Program (FMMP) and is located within the City's Sphere of Influence (SOI). While the Project would result in the future conversion of agricultural land to residential and commercial use, this conversion is consistent with the City of Kerman's official planning and growth strategy outlined in the 2040 General Plan.

The 2040 General Plan's EIR specifically addresses and plans for the conversion of agricultural land within the SOI into urban uses. The EIR concluded that the overall impact would be less than significant with the implementation of a comprehensive Agricultural Mitigation Program. This program, codified in Policy LU-4.2 of the General Plan, requires the preservation of an equivalent amount of similar agricultural land elsewhere to offset the loss from new development. The General Plan focuses on urban development within or adjacent to existing city limits and the SOI to prevent scattered, rural development that could have a greater impact on commercial agriculture. The General Plan also includes specific goals and policies (e.g., Goal COS-4, Policies COS-4.4 and COS-4.7) to protect agricultural resources and ensure agricultural and urban uses can coexist harmoniously.

By annexing and developing in a location already designated for urban expansion and subject to the policies and mitigation measures of the Kerman 2040 General Plan, the proposed Project's conversion of Prime Farmland is part of a larger, pre-approved strategy to manage growth and protect agricultural resources. Impacts would be less than significant.

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

Less than Significant Impact with Mitigation Incorporated. The Project area is currently zoned for agricultural use by Fresno County, which conflicts with the proposed residential and commercial development. However, the City of Kerman's General Plan designates this site for Medium Density Residential (MDR) and General Commercial (GC) uses. The Project's approval includes a General Plan Amendment and a subsequent rezoning to align with the General Plan. Once the site is annexed into the City of Kerman, it will no longer be subject to county zoning regulations. The annexation process, which must be approved by the Local Agency Formation Commission (LAFCO), would resolve the zoning conflict. However, given the existing agricultural uses and zoning that partially surrounds the Project area, there is the potential for the Project to conflict with the surrounding agricultural uses and zoning. To reduce potential conflicts between the proposed urban development and the surrounding agricultural uses, the Project shall incorporate ***Mitigation Measure AG-1***. With mitigation, impacts would be less than significant.

The Project area is currently under two (2) Williamson Act contracts, Agricultural Preserve (AP) No. 2755 and AP No. 6920, pertaining to APNs 025-130-48 and 025-130-47. The City of Kerman protested both contracts, as allowed under California Government Code Section 51243.5. The protest for AP No. 2755 was adopted on February 16, 1971, and the protest for AP No. 6920 was adopted on January 6, 1983. As a result of these protests, upon annexation into the Kerman City Limits, the contracts would be automatically terminated. Impacts would be less than significant.

With implementation of ***Mitigation Measure AG-1*** and the automatic cancellation of the Williamson Act contracts upon annexation, the proposed Project would not conflict with existing agricultural zoning or a Williamson Act contract, and impacts would be reduced to a less than significant level.

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))?

No Impact. The Project area is not planned or zoned for forest land or timberland as defined by PRC 12220 (g). Further, the Project would not cause the rezoning of forest land, timberland, or timberland zoned Timberland Production. As a result, the Project would not conflict with existing zoning for, or cause rezoning of, forest land, timberland, or timberland zoned Timberland Production as defined by PRC 4526 or GC 5110(g). No impact.

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

No Impact. The Project area does not contain forest land and is not planned or zoned for forest land or forest uses. Implementation of the Project would therefore not result in the loss of forest land or conversion of forest land to non-forest use. 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 with Mitigation Incorporated. While the Project area is zoned for agricultural uses within the County of Fresno, it is planned for urbanized uses by the City of Kerman. As analyzed under criterion b), with incorporation of ***Mitigation Measure AG-1***, the Project would have a less than significant impact on the conversion of farmland to non-agricultural use since development of the site is subject to annexation into Kerman's city limits, where it is planned for urbanized uses. In addition, the Project is adjacent to existing development within Kerman's city limits. As such, future development under the proposed residential and commercial land use and zoning designations would be generally consistent with the existing environment of the adjacent urbanized neighborhood and would follow the pattern of growth as planned in the General Plan. As a result, the Project would not involve additional changes in the existing environment that could result in the conversion of farmland to non-agricultural use or conversion of forest land to non-forest use that is not considered in the General Plan. Impacts would be less than significant with mitigation incorporated.

4.2.4 Mitigation Measures

Mitigation Measure AG-1: *Reduce Conflicts Between Urban and Agricultural Uses. In order to reduce potential conflicts between urban and agricultural uses, the following measures shall be implemented:*

1. *Potential residents shall be notified about possible exposure to agricultural chemicals at the time of purchase / lease of property within the development. Notification shall be provided by the project proponent to the potential resident. Notification shall occur at the time of each property sale or lease agreement, as demonstrated through disclosure statements included in the purchase agreements or lease documents, with a signed acknowledgement by the buyer/lessee. Verification that this notification process has been consistently implemented shall be provided by the project proponent to the City of Kerman Community Development Department prior to the approval of occupancy for each property.*

2. *A Right-to-Farm Covenant shall be recorded on each parcel map and residential tract map or be made a condition of each tract map or parcel map to protect continued agricultural practices in the area. The City of Kerman Community Development Department shall be responsible for requiring the condition as part of the tentative map approval. The project proponent shall be responsible for ensuring the covenant is recorded. Verification of recording shall occur by the City of Kerman Community Development Department prior to the final map approval.*
3. *Potential residents and commercial tenants shall be informed of the Right-to-Farm Covenant at the time of purchase / lease of property within the development. Notification shall be provided by the project proponent to the potential resident. Verification shall occur at the time of each property sale or lease agreement, as demonstrated through disclosure statements included in the purchase agreements or lease documents, with a signed acknowledgement by the buyer/lessee. Verification that this notification process has been consistently implemented shall be provided by the project proponent to the City of Kerman Community Development Department prior to the approval of occupancy.*

4.3 AIR QUALITY

	Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Conflict with or obstruct implementation of the applicable air quality plan?			X	
b)	Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard?			X	
c)	Expose sensitive receptors to substantial pollutant concentrations?		X		
d)	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			X	

4.3.1 Project Components Analyzed

For purposes of this air quality analysis, the "Project" refers to the proposed development of 183 single-family residential lots ("Harvest Estates") on portions of APNs 025-130-48, 025-130-47, and 025-130-60S under Vesting Tentative Subdivision Map No. 2025-01 (approximately 31 acres). The ±21-acre commercial remainder parcel (also within the three referenced APNs) and APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and environmental review.

4.3.2 Environmental Setting

The Air Quality Impact Assessment was prepared by JK Consulting Group (dated May 2025) to evaluate whether the estimated criteria air pollutant, ozone precursor, toxic air contaminant (TAC), and/or greenhouse gas (GHG) emissions generated from construction and/or operation of the proposed Project would cause significant impacts to air resources in the area.

It should be noted that the Assessment analyzed the development of 185 single-family lots; however, only 183 single-family lots are proposed for the latest iteration of the Tentative Tract Map. This should not affect the outcome of the analysis since the proposed development of 183 lots would have a less impact than 185 lots that were analyzed in the Assessment.

The Assessment analyzed air quality impacts in accordance with methodologies recommended by CARB and the SJVAPCD. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod), version 2022.1.1.2. CalEEMod is a statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Project construction air emissions were primarily calculated using CalEEMod

model defaults. The modeling parameters, assumptions, findings report, and appendices are provided in Appendix A. Results are incorporated herein.

Climate and Meteorology

Air quality is affected by the rate and location of pollutant emissions and by climatic conditions that influence the movement and dispersion of pollutants. Atmospheric conditions, such as wind speed, wind direction and air temperature gradients, along with local and regional topography, mediate the relationship between air pollutant emissions and air quality. As noted above, the Project is located within the SJVAB, which includes Fresno, Kern (western portion), Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare counties.

The SJVAB is approximately 250 miles long and 35 miles in width and is bordered by the Coast Range Mountains on the west, the Sierra Nevada mountains on the east, and the Tehachapi Mountains to the south. Marine air, which often enters the Basin from the San Joaquin River Delta, causes the wind patterns found inside the SJVAB. The Tehachapi Mountains block airflow in from the south, the Coastal Range blocks wind entry into the Valley from the west, and the tall Sierra Nevada Mountain Range acts as a formidable barrier to the east. Weak airflow caused by these topographical factors is vertically constrained by high atmospheric pressure above the Valley. The SJVAB is hence extremely vulnerable to pollutant buildup over time. The majority of the mountains in the area are higher than summer inversion layers. The SJVAB has a Mediterranean climate, which is characterized by infrequent rainfall and hot, dry summers. The SJVAB offers ideal ozone generation conditions given an average of 260 sunny days per year. Precipitation and fog in the Winter create optimal circumstances for particulate matter generation, even though they shield sunlight and reduce ozone levels.

Existing Conditions

As noted above, the Project is located in the SJVAB which encompasses all of Fresno County. The SJVAPCD is the agency responsible for monitoring and regulating air pollutant emissions from stationary, area, and indirect sources within the City of Kerman and Fresno County. Table 4-1 provides Fresno County's designation and classification based on the various criteria pollutants under both NAAQS and CAAQS.

There are 24 air quality monitoring sites throughout the SJVAB which are currently operated by the SJVAPCD or in collaboration with the CARB. The CARB also independently operates a number of Monitoring stations in the Valley, along with additional sites operated by the National Park Service and tribal nations.2 These monitoring sites provide ambient air quality emissions throughout the valley for pollutants such as ozone, PM10, PM2.5, nitrogen oxides, sulfur oxides, hydrocarbons, and carbon monoxide.

Table 4-1 Fresno County Attainment Status

Pollutant	NAAQS[1]	CAAQS[2]
Ozone – 1 Hour	No Federal Standard[3]	Nonattainment
Ozone – 8 Hour	Nonattainment[4]	No State Standard
PM10	Attainment[5]	Nonattainment
PM2.5	Nonattainment[6]	Nonattainment
Carbon Monoxide	Unclassified/Attainment	Attainment
Nitrogen Dioxide	Unclassified/Attainment	Attainment
Sulfur Dioxide	Unclassified/Attainment	Attainment
Lead (Particulate)	Unclassified/Attainment	Attainment

Hydrogen Sulfide	No Federal Standard	Unclassified
Sulfates	No Federal Standard	Attainment
Visibility Reducing Particles	No Federal Standard	Unclassified

Source: CARB Website, 2025

1. See 40 CFR Part 81
2. See CCR Title 17 Sections 60200-60210
3. Effective June 15, 2025, the EPA revoked the federal 1-hour O3 standard, including associated designations and classifications. EPA had previously classified the SJVAB as extreme nonattainment for this standard. EPA approved the 2004 Extreme Ozone Attainment Demonstration Plan on March 8, 2010 (effective April 7, 2010). Many applicable requirements for extreme 1-hour O3 nonattainment areas continue to apply to the SJVAB.
4. Though the Valley was initially classified as serious nonattainment for the 1997 8-hour O3 standard, EPA approved Valley reclassification to extreme nonattainment in the Federal Register on May 5, 2010 (effective June 4, 2010).
5. On September 25, 2008, EPA redesignated the San Joaquin Valley to attainment for the PM10 National Ambient Air Quality Standard (NAAQS) and approved the PM10 Maintenance Plan.
6. The Valley is designated nonattainment for the 1997 PM2.5 NAAQS. EPA designated the Valley as nonattainment for the 2006 PM2.5 NAAQS on November 13, 2009 (effective December 14, 2009).

Sources of Air Pollution

Air pollutant emissions in the SJVAB are generally caused by man-made sources, which encompass stationary and mobile sources. Stationary sources include point sources which are generally identified by an exhaust vent or stack (i.e., boilers). Area sources, such as residential and commercial water heaters, lawn mowers, and agricultural fields, are also categorized as stationary sources. Emissions from motor vehicles are characterized as mobile sources and include on-road (i.e., automobiles, trucks) and off-road (i.e., aircraft, ships, trains) sources. Air pollutants can also be generated by natural means, such as the suspending of fine dust particles via high winds.

Criteria Air Pollutants

The Clean Air Act requires the Environmental Protection Agency (EPA) to establish air quality standards for outdoor or ambient concentrations. National Ambient Air Quality Standards (NAAQS) have been identified for six (6) common air pollutants, referred to as “criteria pollutants”. They are Ozone (O3), course particulate matter (PM10), fine particular matter (PM2.5), carbon monoxide (CO), nitrogen dioxide (NO2), and sulfur dioxide (SO2). Of the six pollutants, particulate matter and ground-level ozone are the most widespread health threats. The health effects generally associated with the criteria pollutants are summarized in Table 4-2 below.

Table 4-2 Criteria Air Pollutants - Summary of Common Sources and Effects

Pollutant	Major Man-Made Sources	Human Health and Welfare Effects
CO	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust	Reduces the ability of blood to deliver oxygen to vital tissues, effecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
NO_2	A reddish-brown gas formed during fuel combustion for motor vehicles, energy utilities and industrial sources.	Respiratory irritant; aggravates lung and heart problems. Precursor to ozone and acid rain. Causes brown discoloration of the atmosphere.
O_3	Formed by a chemical reaction between reactive organic gases (ROGs) and nitrous oxides (NOx) in the presence of sunlight. Common sources of these precursor pollutants include motor vehicle exhaust, industrial emissions, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
PM_{10} and $PM_{2.5}$	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility (haze).

SO_2	A colorless, nonflammable gas formed when fuel containing sulfur is burned. Examples are refineries, cement manufacturing, and locomotives.	Respiratory irritant. Aggravates lung and heart problems. Can damage crops and natural vegetation. Impairs visibility.

Source: CAPCOA 2013

Toxic Air Contaminants (TACs)

Toxic Air Contaminants (TACs) refer to a broad category of air pollutants that could result in an increase in fatalities or serious illnesses, potential risk to human health, or any combination of these. TACs are both organic and inorganic chemical substances that can be released from a range of everyday sources, such as gasoline stations, automobiles, dry cleaners, industrial operations, painting operations, and research and educational facilities. TACs are considered either carcinogenic or noncarcinogenic based on the nature of the health effects associated with exposure to the pollutant. For regulatory purposes, carcinogenic TACs are assumed to have no safe threshold below which health impacts would not occur, and cancer risk is expressed as excess cancer cases per one million exposed individuals. Non-carcinogenic TACs differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur.

Most of the estimated health risk from TACs, according to the California Air Resources Board's (CARB) California Almanac of Emissions and Air Quality (2005), can be attributable to a small number of compounds. The most significant of which is PM from diesel-fueled engines, which is known as diesel particulate matter (DPM). Diesel exhaust has hundreds of different gaseous and particulate components, many of which are harmful, and has been classified as a human carcinogen. Diesel particles are so small that they penetrate deep into the lungs. According to studies, diesel PM concentrations are significantly greater near busy intersections and roads. Heavy-duty vehicles and off-road construction equipment are the main sources of diesel-related emissions.

Acute diesel exhaust exposure may irritate the eyes, nose, throat, and lungs, as well as certain neurological consequences like lightheadedness. A cough or nausea may also be brought on by acute exposure, which can potentially make asthma worse. Experimental animal inhalation studies with chronic exposure have revealed a variety of dose-dependent lung cellular alterations, lung inflammation, and immunological consequences from diesel exhaust. There is substantial data, based on both human and laboratory studies, showing diesel exhaust is almost certainly carcinogenic. Studies on human epidemiology show a link between occupational exposure to diesel exhaust and a higher incidence of lung cancer.

Odors

The likelihood that a project might produce odors should be assessed per CEQA guidelines. Any project that has the potential to regularly subject people to offensive odors should be considered to have a major impact. Nuisance odors may be assessed qualitatively, taking into consideration project design elements and proximity to off-site receptors that potentially would be exposed objectionable odors.

The potential significance of odor emissions depends on an odor source's strength and proximity to sensitive receptors. Various facilities that have been reported to cause odors in the SJVAB have been identified by the SJVAPCD, such as Wastewater Treatment plants, landfills, transfer stations, and composting facilities, asphalt plants, chemical manufacturing, and food processing facilities.

Careful examination should be given to odor impacts on residential areas and other sensitive receptors, such as hospitals, daycare centers, and schools. Other land uses where people may congregate, such as recreational

facilities, work sites, and commercial areas, should also be considered. The following two scenarios should be examined for potential odor effects:

- Generators – projects that would potentially generate odorous emissions proposed to locate near existing sensitive receptors or other land uses where people may congregate, and
- Receivers – residential or other sensitive receptor projects or other projects built for the intent of attracting people locating near existing odor sources.

General Plan

The City of Kerman General Plan Public Health and Safety Element includes objectives and policies that work to protect public health, agricultural crops, and natural resources from air pollution. The following policies related to air quality are applicable to the proposed Project:

> ***Policy PH-7.1: Regional Coordination for Air Quality.*** *The City shall continue to participate in regional planning efforts to meet air quality goals.*
>
> ***Policy PH-7.4: Construction Best Management Practices.*** *The City shall require new projects to incorporate economically feasible SJVAPCD construction best management practices as conditions of approval, if the project exceeds the most recent SJVACPD SPAL screening levels at the time of preparation.*
>
> ***Policy PH-7.5: Toxic Air Contaminants (TACs) and Health Risks Assessments (HRA).*** *The City shall require new development projects that produce Toxic Air Contaminants (TACs) or other health risks to retain a qualified professional to complete a SJVAPCD-compliant evaluation of all stationary source developments near sensitive receptors to determine if a project-specific Health Risks Assessment (HRA) would be required prior to approval. If required, the City shall require all identified TAC risks from the HRA to be mitigated to meet current SJVAPCD TAC thresholds.*
>
> ***Policy PH-7.7 Public Education and Awareness.*** *The City shall support programs that educate the public on climate change and encourage residents and businesses to become involved in activities and lifestyle changes that will aid in reduction of greenhouse gas emissions.*

Methodology

Construction Emissions

Construction activities can generate a substantial amount of air pollution. Construction activities are considered temporary; however, short-term impacts can contribute to exceedances of air quality standards. Construction activities include site preparation, earthmoving, and general construction. The emissions generated from these common construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel- and gasoline-powered equipment, portable auxiliary equipment, and worker commute trips.

The California Emissions Estimator Model (CalEEMod) Version 2022.1.1.29 computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site. The construction schedule of the proposed project is not yet known. Therefore, this analysis utilizes a CalEEMod default construction schedule, which anticipates construction to begin in June 2025 and take place for approximately 30 months, ending in December 2027. This represents a conservative analysis, because if the proposed construction activities should occur at a later timeframe, estimated emissions would be expected to decrease into the future

due to technological advances and the implementation of forthcoming regulatory requirements. The proposed Project would not require the import or export of soil, which was also included in CalEEMod. This analysis also assumes use of Tier 2 construction equipment. The proposed project would also comply with the SJVAPCD Regulations VIII measures for fugitive dust. Other detailed construction information is currently unavailable; therefore, this analysis utilizes CalEEMod default assumptions.

Construction Health Risk Assessment

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed Project, and the analysis is presented below. To estimate the potential cancer risk associated with construction of the proposed Project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology with the air dispersion modeling performed using the USEPA's American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD). The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and meteorological data.

Operational Emissions

The air quality analysis includes estimating emissions associated with long-term operation of the proposed Project. Consistent with the SJVAPCD guidance for estimating emissions associated with land use development projects, the CalEEMod computer program was used to calculate the long-term operational emissions associated with the Project.

As discussed previously in the Project Description section, the proposed project would include the construction of 183 single-family residential units and associated site improvements.[4] The proposed project analysis was conducted using the Single-Family Housing land use code. Trip generation rates used in CalEEMod were based on the project's Trip Generation, which identifies 1,746 average daily trips. In addition, consistent with SJVAPCD Rule 4901, this analysis assumes that the proposed project would include 93 natural gas fireplaces, 9 catalytic wood stoves, and 9 non-catalytic wood stoves. Where project-specific data were not available, default assumptions (e.g., energy usage, water usage, and solid waste generation) from CalEEMod were used to estimate project emissions.

The total emissions for the proposed single family residential development were summed and compared to applicable regional thresholds recommended by the SJVAPCD.

Thresholds of Significance

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse air quality impact if project-generated pollutant emissions would do any of the following:

- Conflict with or obstruct implementation of the applicable air quality plan;

[4] As discussed in the beginning of the Environmental Settings, the development of 185 single-family lots is analyzed; however, only 183 single-family lots are proposed for the latest iteration of the Tentative Tract Map. This should not affect the outcome of the analysis since the proposed development of 183 lots would have a less impact than lots that were analyzed.

- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard;
- Expose sensitive receptors to substantial pollutant concentrations; or
- Result in other emissions (such as those leading to odors) affecting a substantial number of people.

Regional Emissions Thresholds

The SJVAPCD is the agency responsible for monitoring and regulating air pollutant emissions from stationary, area, and indirect sources within the City of Kerman, Fresno County and throughout the SJVAB. The significance criteria established by the SJVAPCD for criteria pollutants is used for determining environmental significance. These screening criteria can be used to demonstrate that a project's total emissions would not result in a significant impact as defined by CEQA. The SJVAPCD regional emission thresholds for construction and operation are shown in Table 4-3.

Table 4-3 Regional Thresholds for Construction and Operational Emissions

Pollutant	Construction Emissions tons/year	Operation Emissions (Permitted Equipment and Activities) tons/year	Operation Emissions (Non-Permitted Equipment and Activities) tons/year
Reactive Organic Gases (ROG)	10	10	10
Nitrogen Oxides	10	10	10
Particulate Matter (PM 10)	15	15	15
Particulate Matter (PM 2.5)	15	15	15
Carbon Monoxide (CO)	100	100	100
Sulfur Oxides (Sox)	27	27	27

Source: SJVAPCD, 2025

4.3.3 Impact Assessment

Would the Project:

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less than Significant Impact. Consistency with the SJVAPCD's air quality plan(s) would ensure a project is not in conflict with or obstructing the implementation of the air quality plan(s). The SJVAPCD has adopted various air quality plans including, the 2022 Plan for the 2015 8-Hour Ozone Standard, the 2016 Plan for the 2008 8-Hour Ozone Standard, the 2024 Plan for the 2012 Annual PM2.5 Standard, the 2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards, and the 2007 PM10 Maintenance Plan. A project would be consistent with the SJVAPCD's air quality plan(s) if the pollutants emitted from construction and operation of the project would not exceed the SJVAPCD emission thresholds or cause a significant impact on air quality. The SJVAPCD established the significance thresholds identified in Table 4-3 for purposes of determining if a project will have significant air quality impact.

The annual emissions from the construction phase of the Project will be less than the applicable SJVAPCD emission thresholds for criteria pollutants as shown in Table 4-4. The construction emissions are therefore considered less than significant with the implementation of the SJVAPCD applicable Regulation VIII control measures. Furthermore,

the results of the analysis indicate that operational emissions from the Project will not exceed the SJVAPCD emissions threshold for any emissions as shown in

Table 4-5. As a result, the Project will not conflict with or obstruct implementation of any air quality plans. Therefore, mitigation is not warranted since there is a less than significant impact as a result of the Project.

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?

Less than Significant Impact. The Fresno County area is nonattainment for Federal and State air quality standards for ozone, in attainment of Federal standards and nonattainment for State standards for PM10, and nonattainment for Federal and State standards for PM2.5. The SJVAPCD has prepared the 2022 Plan for the 2015 8-Hour Ozone Standard, the 2016 Plan for the 2008 8-Hour Ozone Standard, the 2024 Plan for the 2012 Annual PM2.5 Standard, the 2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards, and the 2007 PM10 Maintenance Plan to achieve Federal and State standards for improved air quality in the SJVAB regarding ozone and PM. Inconsistency with any of the plans would be considered a cumulatively adverse air quality impact.

Project specific emissions that exceed the thresholds of significance for criteria pollutants would be expected to result in a cumulatively considerable net increase of any criteria pollutant for which the City/County is in non-attainment under applicable federal or state ambient air quality standards. It should be noted that a project is characterized as cumulatively insignificant when project emissions fall below thresholds of significance. As discussed in the Environmental Setting, the SJVAPCD has established thresholds of significance for determining environmental significance which are provided in Table 4-3.

The results of the analysis, as discussed in criterion a) above, show that emissions generated from construction and operation of the Project will be less than the applicable SJVAPCD emission thresholds for criteria pollutants. As a result, the Project will not 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. Therefore, mitigation is not warranted since there is a less than significant impact as a result of the Project.

Table 4-4 Project Construction Emissions

Pollutant	Project Construction Emissions tons/year	SJVAPCD Construction Emission Threshold tons/year	Exceed SJVAPCD Threshold? tons/year
Reactive Organic Gases (ROG)	1.260	10	NO
Nitrogen Oxides	1.630	10	NO
Particulate Matter (PM 10)	0.500	15	NO
Particulate Matter (PM 2.5)	.250	15	NO
Carbon Monoxide (CO)	1.960	100	NO
Sulfur Oxides (SOx)	<0.005	27	NO

Table 4-5 Project Operational Emissions

Sector	Tons/Year					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NOx)	Particulate Matter (PM10)	Particulate Matter (PM2.5)	Carbon Monoxide (CO)	Sulfur Oxides (SOx)
Mobile	0.980	1.000	1.730	0.450	6.950	0.020
Area	1.800	0.100	0.250	0.240	2.690	0.010
Energy	0.020	0.330	0.030	0.030	0.140	<0.005
Water/Waste/Refrig.	--	--	--	--	--	--
Total Emissions per Year	2.800	1.430	2.010	0.720	9.780	0.030
SJVAPCD Threshold of Significance	10	10	15	15	100	27
Exceed Level?	NO	NO	NO	NO	NO	NO

c) Expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact with Mitigation Incorporated.

Short-Term (Construction) Impacts

Construction associated with the Project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the Project area include ozone precursor pollutants (i.e., ROG and NOX) and PM10 and PM2.5. Construction-generated emissions are temporary in nature, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SJVAPCD's thresholds of significance.

Construction-generated emissions associated with the Project were calculated using the CARB approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. Predicted construction emissions for the Project are summarized in Table 4-4. As shown in Table 4-4, all criteria pollutant emissions would remain below their respective thresholds during Project construction. Criteria pollutant emissions generated during Project construction would not expose adjacent sensitive receptors to substantial pollutant concentrations. Therefore, mitigation is not warranted since there is a less than significant impact from Project construction emissions.

Long-Term (Operational) Impacts

Criteria Pollutants

Operational air pollutant emissions were based on information provided by Project representatives and the estimated traffic trip generation for the Project. Operational emissions were estimated for the Project using the CalEEMod computer program and detailed results are included in Appendix A of this report. Predicted operational emissions for the Project are summarized in

Table 4-5. As shown in

Table 4-5, all criteria pollutant emissions would remain below their respective thresholds during Project operations. Criteria pollutant emissions generated during Project operations would not expose sensitive receptors to substantial pollutant concentrations. Therefore, mitigation is not warranted since there is a less than significant impact from Project operational emissions.

Toxic Air Contaminants (TAC)

Sensitive receptors are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. The SJVAPCD's Guidance for Assessing and Mitigating Air Quality Impacts identifies the need for projects to analyze the potential for adverse air quality impacts to sensitive receptors. From a health risk perspective, the Project is a Type B project in that it may potentially place sensitive receptors in the vicinity of existing toxic sources. The SJVAPCD's current thresholds of significance for TAC emissions from the operations of both permitted and non-permitted sources are presented below:

- Carcinogens: Maximally Exposed Individual risk equals or exceeds 20 in one million
- Chronic: Hazard Index equals or exceeds 1 for the Maximally Exposed Individual

- Acute: Hazard Index equals or exceeds 1 for the Maximally Exposed Individual

Exposure to various TAC's primarily occurs through inhalation. Cancer and non-cancer health risks are related to the exposure concentration of TACs generated in the vicinity of the Project site. The ambient concentration of TACs at the Project site is influenced by factors such as the emission rate, the distance from the emission source, the local wind speed and direction, the local topography, the land use, etc.

Estimate of Toxic Emissions

Project Construction

Construction-related activities would result in emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., demolition, clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, DPM is the primary toxic air contaminant of concern. Cancer risk was calculated using the most recent version of the Office of Environmental Health Hazard Assessment (OEHHA) guidelines for health risk assessments. TAC emissions associated with the construction of the Project were used to assess impacts to adjacent sensitive receptors. It should be noted that emissions of diesel PM would be generated from different locations on the Project site rather than in a single location given that different types of construction activities would occur in various locations throughout the site. Table 4-6 shows the estimated DPM emissions from on-site construction equipment, mobile sources, and mobile source idling. Table 4-7 and Table 4-8 show the results of the analysis at adjacent sensitive receptors which represent the maximally exposed individuals. The TAC threshold of 10 in one million was used in lieu of the SJVAPCD's threshold of 20 in one million given the uncertainty in assessing cancer risk from construction (short-term) exposures. The OEHHA guidelines for health risk assessments discuss the use of a lower cancer risk threshold for risk management for short-term projects.

Results of the analysis show that TAC emissions at two sensitive receptors (1 residence and 1 school) adjacent to the Project site would exceed the 10 in one million threshold from Project construction activities. Implementation of Mitigation Measure AQ-1 would be required to reduce substantial pollutant concentrations during Project construction. Table 4-9 shows the estimated DPM emissions from on-site construction equipment considering ***Mitigation Measure AQ-1***. Table 4-10 shows that there is a **less than significant impact** from Project construction emissions with implementation of ***Mitigation Measure AQ-1***.

Project Operations

The characteristics of the Project are not consistent with the TAC source categories identified by SJVAPCD. Therefore, Project operations will not expose sensitive receptors to substantial pollutant concentrations. Mitigation is not warranted since there is a less than significant impact from Project operational emissions.

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

Less than Significant Impact. The likelihood that a project might produce odors should be assessed per CEQA guidelines. Any project that has the potential to regularly subject people to offensive odors should be considered to have a major impact. Nuisance odors may be assessed qualitatively, taking into consideration project design elements and proximity to off-site receptors that would be potentially exposed to objectionable odors.

The potential significance of odor emissions depends on an odor source's strength and proximity to sensitive receptors. The characteristics of the Project are not comparable to the types of facilities that are known to produce odors. As a result, emissions generated during Project construction and operations would not expose sensitive

receptors to objectionable odors. Therefore, mitigation is not warranted since there is a less than significant impact from Project operational emissions.

4.3.4 Mitigation Measures

Mitigation Measure AQ-1: *During Project construction, the Project contractor or Project representatives shall ensure that all off-road diesel-powered construction equipment used for the grading and building construction phases meet the CARB Tier 4 emissions standards or equivalent.*

Table 4-6 PM10 Emissions by Source

Source	Annual Emission Estimate (lbs/year)	Normalized Hourly Emission Estimate (lbs/year)
On-Site Construction Equipment	315.57	0.27450
Mobile Sources	7.76	0.00134
Mobile Sources - Idling	0.00889	1.48E-06
Total PM10 Construction Emissions	**323.4189**	**0.2758**

Table 4-7 Cancer Risk from Project Construction Emissions

Receptor	Carcinogenic Inhalation Health Risk	Threshold of Significance	Exceed Threshold?
Receptor 1 – Residence	7.91E-06	1.00E-05	No
Receptor 2 – Residence	6.66E-06	1.00E-05	No
Receptor 3 – Residence	9.93E-06	1.00E-05	No
Receptor 4 – Residence	3.27E-05	1.00E-5	**Yes**
Receptor 5 – School	2.81E-05	1.00E-5	**Yes**

Table 4-8 Non-Cancer Risk from Project Construction Emissions

Receptor	Chronic Health Risk	Threshold of Significance	Exceed Threshold?
Receptor 1 – Residence	2.31E-02	1.00E00	No
Receptor 2 – Residence	1.95E-02	1.00E00	No
Receptor 3 – Residence	2.90E-02	1.00E00	No
Receptor 4 – Residence	9.56E-02	1.00E00	No
Receptor 5 – School	8.20E-02	1.00E00	No

Table 4-9 PM10 Emissions with Mitigation by Source

Source	Annual Emission Estimate (lbs/year)	Normalized Hourly Emission Estimate (lbs/year)
On-Site Equipment w Mitigation	89.74	0.14933

Table 4-10 Cancer Risk from Project Construction with Mitigation

Receptor	Carcinogenic Inhalation Health Risk	Threshold of Significance	Exceed Threshold?
Receptor 1 – Residence	2.39E-06	1.00E-05	No
Receptor 2 – Residence	1.98E-06	1.00E-05	No
Receptor 3 – Residence	2.94E-06	1.00E-05	No
Receptor 4 – Residence	9.93E-06	1.00E-5	No
Receptor 5 – School	8.82E-06	1.00E-5	No

4.4 BIOLOGICAL RESOURCES

	Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?		X		
b)	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?				X
c)	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
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?		X		
e)	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?			X	
f)	Conflict with provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.				X

4.4.1 Project Components Analyzed

For purposes of this biological resources analysis, the "Study Area" refers to the three parcels proposed for development under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), as evaluated in the Argonaut Ecological Consulting Biological Resources Assessment (September 20, 2025; Appendix B). APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and biological review. The "Project site" is synonymous with the Study Area for this section.

4.4.2 Environmental Setting

A Biological Resource Assessment was conducted by Argonaut Ecological Consulting, Inc., report dated September 20, 2025, and is provided in Appendix B. The assessment includes assessing the types of current habitats and sensitive species associated with the habitats. The biological evaluation methods include performing site reconnaissance, reviewing public and commercial databases, historical and current aerial photographs, and other published information and data. The assessment was conducted specifically for APNs 025-130-48, 025-130-47, and 025-130-60S. The following environmental setting summarizes information from the assessment.

Physical Resources

Climate

The Study Area climate is typical of the central San Joaquin Valley, with long, hot, dry summers and cool, mild winters. In the winter, rainfall averages approximately 9.99 inches per year, falling mainly between November and April. During 2021 total rainfall, the Fresno region had a total of 8.22 inches; in 2022, there was a total of 5.43 inches. Since the fall of 2022, the regional rainfall totaled 21 inches (through May 2023) near Fresno. The regional rainfall near Fresno (2023/2024) totaled 11.05 inches.

Topography, Drainage, and Soils

The Study Area lies within the Central Valley and is at an elevation of 220 above mean sea level. The elevation has remained roughly the same since the early 1900s. The Houghton Canal historically appears to have run through the Study Area but has been relocated along the northern boundary of the Study Area. There is no defined drainage path within or from the Study Area. The general direction of drainage is likely toward the southwest. There are three site soil types within the Study Area: Hanford sandy loam – course sandy loam and silty substratum (97% of the Study Area), Hesperia sandy loam, deep (3%).

Land Use

The Study Area is in a historically rural, agricultural area of Fresno County, north of Kerman, California. The surrounding land uses include mixed uses (rural residential) and agricultural lands. The Study Area has been in agricultural production for many decades and there are two rural residential homes and an agricultural equipment yard within the Study Area, immediately east of N. Madera Avenue.

Habitat

There are several California habitat classification systems. Most classification systems describe natural communities without established developed or agricultural habitat classifications. CALVEG is a USDA Forest Service product providing a comprehensive spatial dataset of existing vegetation cover over California. The data combines

automated systematic procedures, remote sensing classification, photo editing, and field-based observations. Analyses are based on CALVEG classifications and the California Wildlife Habitat Relationships (CWHR). Calveg lists the site as "Agricultural. "

Surrounding the existing residence are numerous landscape shrubs and trees, including Italian Cyprus, palm trees, and shrubs and within the agricultural laydown areas is bare ground with ruderal vegetation.

Bird species observed include mourning doves, black-capped chickadees, crows, and sparrows. No other wildlife was observed within the Study Area.

Waters/Wetland

According to the National Wetland Inventory Map (Appendix B; Figure 3), there is one mapped waters within or immediately adjacent to the Study Area. The features is mapped as riverine, perennial, unconsolidated bottom, semi permanently flooded, excavated (R5UBFX). However, this feature no longer exists within the Study Area. (it is likely where the Houghton Canal now flows). It appears that the feature was removed sometime prior to 1985.

The Study Area was walked to look for any evidence of potential wetlands/waters habitat, and wetland, waters, or any other aquatic habitat (either perennial or seasonal) is present. There are no seasonal wetlands within the Study Area or other waters of the U.S./waters of the State.

Special Status Species

A query of the California Natural Diversity Database (CNDDB) and the USFWS IPaC was performed to determine which special status species could be present within the Study Area. No critical habitat exists for any species within or near the Study Area. The CNDDB Bios mapping is shown in Figure 3 of the Biological Resources Assessment. This map shows the location of known records of special-status species near the Study Area. Table 1 of the Biological Resource Assessment shows a summary of the potential occurrence and impact of special status species in or near the Study Area. Most species are assessed as being absent while one (1) species is assessed as likely absent:

- Birds: the CNDDB and IPaC include several bird species that have the potential to be present within or near the Study Area, including migratory birds. There is one mature [tree] large enough to support raptor nesting, but no raptor nests are present. The orchard trees could provide nesting habitat for migratory birds. Only one ground-nesting raptor (burrowing owl) is potentially present within the region, but there is no suitable nesting habitat for this species within the Study Area (ground burrows).
- Mammals: The IPaC list one mammal species within the region (San Joaquin kit fox). However, there are no known records of San Joaquin kit fox within a 10-mile radius of the Study Area, and the habitat within the Study Area is unsuitable for this species.
- Amphibians, Reptiles, and Invertebrates: The Study Area does support any aquatic habitat. Therefore, species that depend on aquatic habitats for any part of their life cycle are absent within the Study Area. There is also no suitable habitat for protected invertebrates, including insects, within the Study Area.
- Plants: The CNDDB and IPaC identify numerous special-status plant species. The majority of the plants are species associated with wetlands or aquatic habitats. There is no suitable habitat for any of these species within or immediately adjacent to the Study Area because the Study Area is in orchard crop production and has been for several decades.

Conclusion

The Biological Resource Assessment identified the following conclusions and recommended mitigation measures to avoid any potential impacts to special status species.

- Habitat within the Study Area consists of primarily agricultural land and ruderal habitat.
- There are no wetlands or waters of the U.S. or waters of the State present within the Study Area.
- The orchard trees could provide some suitable nesting habitat for migratory birds.
- There is no suitable habitat within or adjacent to the Study Area for any listed species of plants or animals.

4.4.3 Impact Assessment

Would the Project:

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 the U.S. Fish and Wildlife Service?

Less than Significant with Mitigation Incorporated. As described in the Environmental Setting and Biological Resources Assessment (Appendix B), the site conditions provide low suitability for habitat for special-status candidates, sensitive, or special-status species that may occur on the Project site or vicinity, including birds, mammals, amphibians, reptiles, and invertebrates, and plants. However, there is a potential for several bird species including migratory birds to be present based on suitable habitat. Therefore, to reduce impacts to bird species including migratory birds that may be present during site construction and development, the Project shall incorporate ***Mitigation Measure BIO-1***. Through incorporation of mitigation, potentially significant impacts would be reduced to less than significant and the Project would not 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 CDFW or USFWS.

b) 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 the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

No Impact. According to the General Plan and Biological Resource Assessment, there are no known riparian habitats or other sensitive natural communities identified on the Project Area. In addition, the site does not contain any water features that would provide habitat for riparian species. No impact.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. According to the National Wetland Inventory Map, there is one mapped waters within or immediately adjacent to the Project site. The features is mapped as riverine, perennial, unconsolidated bottom, semi permanently flooded, excavated (R5UBFX). However, this feature no longer exists within the Project site. Further, fieldwork conducted as part of the Biological Resources Assessment did not identify any evidence of potential wetlands/waters habitat, and wetland, waters, or any other aquatic habitat (either perennial or seasonal). There are no seasonal wetlands within the Project site or other waters of the U.S. or waters of the State. No impact.

d) Would the Project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less than Significant with Mitigation Incorporated. Wildlife movement corridors are linear habitats that function to connect two (2) or more areas of significant wildlife habitat. These corridors may function on a local level as links between small habitat patches (e.g., streams in urban settings) or may provide critical connections between regionally significant habitats (e.g., deer movement corridors).

Wildlife corridors typically include vegetation and topography that facilitate the movements of wild animals from one area of suitable habitat to another, in order to fulfill foraging, breeding, and territorial needs. These corridors often provide cover and protection from predators that may be lacking in surrounding habitats. Wildlife corridors generally include riparian zones and similar linear expanses of contiguous habitat.

As concluded in the Biological Resource Assessment, the habitat value of the Project Area for wildlife is limited, and the site does not contain suitable habitat that could support wildlife species in nesting, breeding, foraging, or escaping from predators. However, as described in criterion a), there is a potential for several bird species including migratory birds to be present based on suitable habitat. Through incorporation of ***Mitigation Measure BIO-1***, potentially significant impacts would be reduced to less than significant.

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

Less than Significant Impact. KMC *Chapter 12.20—Trees and Shrubs in Public Places* establishes standards and regulations related to the planting, maintenance, and removal of trees and shrubs along public streets. There are several trees within the Project site. However, since none of these trees are within public streets, removal of the trees would not be subject to KMC *Chapter 12.20*. As such, the Project would have a less than significant impact.

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

No Impact. There are no adopted Habitat Conservation Plans, Natural Community Conservation Plans, or other approved local, regional, or state habitat conservation plans applicable to the Project Area. As such there would be no impact.

4.4.4 Mitigation Measures

Mitigation Measure BIO-1: *In order to avoid the potential for impacts to bird species including migratory birds, the following measures shall be implemented in conjunction with the construction of each phase of the Project:*

Removal of the orchard trees and trees surrounding the residential homes shall be conducted between September 1 – January 31 to avoid tree removal during the nesting season. In the event tree removal is scheduled to occur between February 1 – August 31, then prior to tree removal, a survey for nesting migratory birds shall be completed by a qualified biologist to avoid impacts to occupied nests. Any occupied nest must be protected/avoided until after the young have fledged, as determined and monitored by a qualified biologist.

4.5 CULTURAL RESOURCES

	Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Cause a substantial adverse change in the significance of a historical resource as defined in *Section 15064.5*?		X		
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to *Section 15064.5*?		X		
c)	Disturb any human remains, including those interred outside of formal cemeteries?			X	

4.5.1 Project Components Analyzed

For purposes of this cultural resources analysis, the "Project Area" and "Cultural Resource Project Area" (0.5-mile radius) refer to the three parcels proposed for development under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), as evaluated in the SSJVIC CHRIS Record Search #25-198 (May 12, 2025; Appendix C) and NAHC Sacred Lands File search. APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and cultural resources review. The "Project site" is synonymous with the Project Area for this section.

4.5.2 Environmental Setting

Generally, the term 'cultural resources' describes property types such as prehistoric and historical archaeological sites, buildings, bridges, roadways, and tribal cultural resources. As defined by CEQA, cultural resources are considered "historical resources" that meet criteria in *Section 15064.5(a)* of the CEQA Guidelines. If a Lead Agency determines that a Project may have a significant effect on a historical resource, then the Project is determined to have a significant impact on the environment. No further environmental review is required if a cultural resource is not found to be a historical resource.

California Historical Resource Information System Record Search

The Southern San Joaquin Valley Information Center (SSJVIC) was requested to conduct a California Historical Resources Information System (CHRIS) Record Search for the Project Area and surrounding "Cultural Resource Project Area" (0.5-mile radius from perimeter of Project Area). Results of the CHRIS Record Search were provided on May 12, 2025 (Record Search File Number 25-198). Full results are provided in Appendix C.

The CHRIS Record Searches generally review file information based on results of Class III pedestrian reconnaissance surveys of Project sites conducted by qualified individuals or consultant firms which are required to be submitted, along with official state forms properly completed for each identified resource, to the Regional Archaeological Information Center. Guidelines for the format and content of all types of archaeological reports have been

developed by the California Office of Historic Preservation, and reports will be reviewed by the regional information centers to determine whether they meet those requirements.

The results of the SSJVIC CHRIS Record Search indicate:

(1) There has been one (1) previous cultural resource study completed within the Project Area, FR-02501.
(2) There have been 11 additional cultural resource studies completed within the Cultural Resource Project Area: FR-00245, 00246, 00247, 00663, 02414, 02505, 02506, 02582, 02754, 03018, and 03140.
(3) There are no recorded resources within the Project Area, and it is not known if any exist there. There is one (1) recorded resource within the one-half mile radius, P-10-007097, an historic canal.
(4) The State Office of Historic Preservation Built Environment Resources Directory (OHP BERD), which includes listings of the California Register of Historical Resources, California State Historical Landmarks, California State Points of Historical Interest, and the National Register of Historic Places, lists no previously recorded buildings or structures within or adjacent to the proposed Project Area.

Further, the SSJVIC provided the following comments and recommendations:

(1) Prior to ground disturbance activities, we recommend a qualified, professional consultant conduct a field survey to determine if cultural resources are present.
(2) Contact the Native American Heritage Commission (NAHC) for a list of Native American individuals/organizations that can assist with information regarding traditional, cultural, and religious heritage values that may not be included in the CHRIS Inventory. Consult NAHC's "Sacred Lands Inventory" file to determine what sacred resources, if any, exist within this Project Area and the way in which these resources might be managed.

California Native American Heritage Commission (NAHC)

A consultation list of tribes with traditional lands or cultural places located within Fresno County was requested and received from the California Native American Heritage Commission (NAHC) on May 16, 2025. The listed tribes Amah Mutsu Tribal Band, Northern Valley Yokut/Ohlone Tribe, Tule River Indian Tribe, and Wuksachi Indian Tribe/Eshom Valley Band. The NAHC also conducted a Sacred Lands File (SLF) check which received negative results. Correspondence is provided in Appendix D.

AB 52 and SB 18 Tribal Consultation

On June 13, 2025, the City submitted written notices to each of the tribes inviting them to engage in tribal consultation pursuant to AB 52 and SB 18. No responses were received within the 30- or 90-day consultation period.

General Plan

The Kerman General Plan Conservation, Open Space, Parks and Recreation Element identifies the following policies related to historic and cultural resources.

Goal COS-3 *To protect sites and structures of historical and cultural significance, and to enhance the availability of new cultural amenities.*

> ***Policy COS-3.1 Tribal Consultation Requirements Compliance.*** *The City shall continue to comply with SB 18 and AB 52 by consulting with local California Native American tribes. If archaeological resources of Native American origin are identified during Project construction, a qualified archaeologist shall consult with*

Kerman to begin native American consultation procedures. Appropriate Native American tribes shall be contacted by the City or qualified archaeologist. As part of this process, it may be determined that archaeological monitoring may be required; a Native American monitor may also be required in addition to the archaeologist. The Project proponent shall fund the costs of the qualified archaeologist and Native American monitor (as needed) and required analysis and shall implement any mitigation determined to be necessary by the City, qualified archaeologist, and participating Native American tribe.

Policy COS-3.5 Discretionary Development Review for Cultural Resources. The City shall review discretionary development Projects, as part of any required CEQA review, to identify and protect important archaeological, paleontological, and cultural sites and their contributing environment from damage, destruction, and abuse. Consistent with CEQA findings, the City shall require Project-level mitigation to include accurate site surveys, consideration of Project alternatives to preserve archaeological and paleontological resources, provisions for resource recovery, and preservation measures when displacement is unavoidable.

The General Plan also Identifies the Plaza Veterans Park as of particular significance because it retains much of its early 20th Century form. The City also recognizes the importance of new cultural programs and events to enhance the quality of life of residents as part of the city's cultural resources.

In addition, Appendix B of the City's General Plan describes project-specific review requirements that will be applied, as appropriate to the Project to reduce the adversity of potential environmental impacts. Applicable measures will be implemented through the Project's Conditions of Approval.

Cultural Resources Topic A.

- *If a potentially significant historical or archaeological resource is encountered during subsurface construction activities (i.e., trenching, grading), all construction activities within a 100-foot radius of the identified potential resource shall cease until a qualified archaeologist evaluates the item for its significance and records the item on the appropriate State Department of Parks and Recreation (DPR) forms. The archaeologist shall determine whether the item requires further study. If, after the qualified archaeologist conducts appropriate technical analyses, the item is determined to be significant under the California Environmental Quality Act, the archaeologist shall recommend feasible environmental standards, which may include avoidance, preservation in place or other appropriate measure, as outlined in Public Resources Code Section 21083.2. Upon the City's approval of the recommended environmental standards, the developer shall implement said measures. The developer shall fund the costs of the qualified archaeologist and required analysis and shall include this environmental standard in every construction contract to inform contractors of this requirement.*
- *If a proposed development site contains buildings, structures, or objects over 45 years of age, a historical resources evaluation shall be prepared by a qualified architectural historian or historian who meets the Secretary of the Interior's Professional Qualifications Standards (PQS) in architectural history or history. The qualified architectural historian or historian shall conduct an intensive-level evaluation in accordance with the guidelines and best practices promulgated by the State Office of Historic Preservation. All evaluated properties shall be documented in a technical report or memorandum to be submitted to the City for review. If, after the qualified architectural historian conducts appropriate technical analyses, the property is determined to be significant under the California Environmental*

Quality Act, the architectural historian shall recommend feasible environmental standards, which may include avoidance, preservation in place, or other appropriate measure, as outlined in Public Resources Code Section 15064.5. Upon the City's approval of the recommended environmental standards, the applicant shall implement said measures. The applicant shall fund the costs of the qualified architectural historian and required analysis and shall include this environmental standard in every construction contract to inform contractors of this requirement.

4.5.3 Impact Assessment

Would the Project:

a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

Less than Significant with Mitigation Incorporated. Under CEQA Guidelines Section 15064.5, a historical resource is any building, structure, object, prehistoric or historic archaeological site, or district that is listed in, or eligible for listing in, the California Register of Historical Resources or listed in a local historical resources inventory. It can also be any other resource that the lead agency determines to be historically significant.

A review of the California Historical Resources Information System (CHRIS) records was conducted by the Southern San Joaquin Valley Information Center (SSJVIC) for the Project site and its immediate vicinity. The search, which included a review of Class III pedestrian reconnaissance surveys, archival data, and other records, identified one (1) recorded cultural resource within one-half mile radius, P-10-007097, an historic canal. The search did not identify any recorded cultural resources on the Project site. Lastly, the search did not identify any recorded cultural resources within the Project site or radius that are listed in the National Register of Historic Places, the California Register of Historical Resources, the California Points of Historical Interest, California Inventory of Historic Resources, or the California State Historic Landmarks.

Tribal consultation notices pursuant to AB 52 and SB 18 were mailed to tribes identified by the NAHC as having traditional lands or cultural places within Fresno County on June 13, 2025. No consultation was requested within the 30- or 90-day consultation period. In addition, the NAHC Sacred Lands File check was negative. A negative SLF check means that the NAHC did not find any records of Native American cultural resources, such as sacred sites, traditional cultural properties, or burial grounds, within the area requested for the search. While there are no records of Native American cultural resources on the Project site, it is possible that sites exist that have not been formally documented or reported to the NAHC.

As a new development involving ground-disturbing activities, there is potential for encountering unanticipated cultural resources, which may cause an adverse change in the significance of a historical resource pursuant to Section 15064.5 of the CEQA Guidelines. Therefore, the Project shall incorporate ***Mitigation Measure CUL-1***. This measure, which is designed to protect potential, unanticipated cultural resources, directly addresses the concerns raised in Section 15064.5 of the CEQA Guidelines regarding impacts to archaeological resources, including tribal cultural resources and human remains. Thus, if such resources were discovered, implementation of the required mitigation measures would reduce the impact to less than significant. As a result, the Project would have a less than significant impact with mitigation incorporated.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Less than Significant Impact with Mitigation Incorporated. Under the CEQA Guidelines, specifically Section 15064.5, an archaeological resource is defined as any material evidence of past human life or activities. This encompasses a broad range of physical remains including prehistoric archeological sites, historic archeological sites, and traditional cultural properties. A "substantial adverse change" generally means that the project would destroy, damage, or alter the resource in a way that diminishes its historical, cultural, or scientific value.

As discussed under criterion a), a CHRIS record search, tribal consultation, and a Sacred Lands File check were conducted for the Project site and surrounding area. The possibility of encountering previously unknown archaeological resources, as defined by CEQA Guidelines Section 15064.5, during ground-disturbing activities cannot be entirely discounted.

To address this possibility, the Project shall incorporate ***Mitigation Measure CUL-1***. This measure, which is designed to protect potential, unanticipated cultural resources, directly addresses the concerns raised in Section 15064.5 of the CEQA Guidelines regarding impacts to archaeological resources, including tribal cultural resources and human remains. Thus, if such resources were discovered, implementation of the required mitigation measures would reduce the impact to less than significant. As a result, the Project would have a less than significant impact with mitigation incorporated.

c) Disturb any human remains, including those interred outside of formal cemeteries?

Less Than Significant Impact. While no evidence suggests the presence of human remains on the Project site, the possibility of encountering previously unknown burials during ground-disturbing activities cannot be entirely discounted. Should human remains be discovered during construction, all work in the immediate vicinity would be required to cease, and the County Coroner would be notified immediately, as required by California Health and Safety Code Section 7050.5. If the Coroner determines the remains are of Native American origin, the NAHC would be contacted pursuant to Public Resources Code Section 5097.98. In accordance with CCR Section 15064.5(e), consultation with the NAHC and any Most Likely Descendant (MLD) would be conducted to determine the appropriate treatment and disposition of the remains. Adherence to these regulations, which are designed to protect human remains, including those interred outside formal cemeteries, would ensure that any potential impacts are less than significant.

4.5.4 Mitigation Measures

Mitigation Measure CUL-1: *In order to avoid the potential for impacts to historic and prehistoric archaeological resources, the following measures shall be implemented in conjunction with the construction of each phase of the Project:*

If previously unknown historical, archeological, cultural, or paleontological resources are encountered before or during grading activities, construction shall stop in the immediate vicinity of the find and a qualified archeologist, historical resources specialist, or paleontologist, shall be consulted to determine whether the resource requires further study. Notification of discovery shall be provided to the City Community Development Department.

The qualified archeologist, historical resources specialist, or paleontologist shall make recommendations to the project proponent on the measures that shall be implemented to protect the discovered resources, including but not

limited to excavation of the finds and evaluation of the finds in accordance with Section 15064.5 of the CEQA Guidelines and City's policies and procedures related to historical, cultural, and paleontological resources. Notification of the measures shall be provided to the City Community Development Department.

If the resources are determined to be unique historical resources as defined under Section 15064.5 of the CEQA Guidelines, measures shall be identified by the monitor and recommended to the project proponent, who shall notify the City Community Development Department. Appropriate measures for significant resources could include avoidance or capping, preservation in-place, recordation, additional archeological resting, incorporation of the site in green space, parks, or open space, or data recovery excavations of the finds.

No further grading shall occur in the area of the discovery until the City Community Development Department approves the measures to protect these resources. Any historical, archeological, cultural, or paleontological artifacts recovered as a result of mitigation shall be provided to a City-approved institution or person who is capable of providing long-term preservation to allow future scientific study.

4.6 ENERGY

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

4.6.1 Project Components Analyzed

For purposes of this energy analysis, the "Project" refers to the proposed development of 183 single-family residential lots ("Harvest Estates") on portions of APNs 025-130-48, 025-130-47, and 025-130-60S under Vesting Tentative Subdivision Map No. 2025-01 (approximately 31 acres). The ±21-acre commercial remainder parcel (also within the three core APNs) and APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and environmental review.

4.6.2 Environmental Setting

An Energy Assessment was prepared by JK Consulting Group (dated May 2025). The modeling parameters, assumptions, findings report, and appendices are provided in Appendix A. Results are incorporated herein. It should be noted that the Assessment analyzed the development of 185 single-family lots; however, only 183 single-family lots are proposed for the latest iteration of the Tentative Tract Map. This should not affect the outcome of the analysis since the proposed development of 183 lots would have a less impact than 185 lots that were analyzed in the Memorandum. Future commercial development of the remainder parcel would be subject to separate, project-specific entitlements and environmental review.

Electricity

Electricity is a manmade resource. The production of electricity requires the consumption or conversion of energy resources (including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources) into energy. Electricity is used for a variety of purposes (e.g., lighting, heating, cooling, and refrigeration, and for operating appliances, computers, electronics, machinery, and public transportation systems).

According to the most recent data available, in 2022, California's electricity was generated primarily by natural gas (47.5 percent), renewable sources (52.2 percent), large hydroelectric (7.2 percent), nuclear (8.7 percent), coal (less than 1.0 percent), and other unspecified sources. Total electric generation in California in 2022 was 287,220 gigawatt-hours (GWh), up 3.4 percent from the 2021 total generation of 277,764 GWh.4

The Project site receives its electricity from Pacific Gas and Electric (PG&E). According to the California Energy Commission (CEC), total electricity consumption in the PG&E service area in 2022 was 104,695.0 GWh (35,245.7

GWh for the residential sector and 69,449.3 GWh for the nonresidential sector). Total electricity consumption in Fresno County in 2022 was 8,384.4 GWh (or 8,384,408,687 kilowatt-hours [kWh]).

Natural Gas

Natural gas is a nonrenewable fossil fuel. Fossil fuels are formed when layers of decomposing plant and animal matter are exposed to intense heat and pressure under the surface of the Earth over millions of years. Natural gas is a combustible mixture of hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas is found in naturally occurring reservoirs in deep underground rock formations. Natural gas is used for a variety of uses (e.g., heating buildings, generating electricity, and powering appliances such as stoves, washing machines and dryers, gas fireplaces, and gas grills).

Natural gas consumed in California is used for electricity generation (45 percent), residential uses (21 percent), industrial uses (25 percent), and commercial uses (9 percent). California continues to depend on out-of-state imports for nearly 90 percent of its natural gas supply.

PG&E is the natural gas service provider for the project site. According to the CEC, total natural gas consumption in the PG&E service area in 2022 was 4,449.2 million therms (1,866.2 million therms for the residential sector and 2,583.0 million therms for the nonresidential sector). Total natural gas consumption in Fresno County in 2022 was 319.4 million therms (319,435,645 therms).

Fuel

Petroleum is also a nonrenewable fossil fuel. Petroleum is a thick, flammable, yellow-to-black mixture of gaseous, liquid, and solid hydrocarbons that occurs naturally beneath the Earth's surface. Petroleum is primarily recovered by oil drilling. It is refined into a large number of consumer products, primarily fuel oil, gasoline, and diesel.

The average fuel economy for light-duty vehicles (autos, pickups, vans, and sport utility vehicles [SUVs]) in the United States has steadily increased from about 14.9 miles per gallon (mpg) in 1980 to 22.9 mpg in 2021. Federal fuel economy standards have changed substantially since the Energy Independence and Security Act was passed in 2007. This act, which originally mandated a national fuel economy standard of 35 mpg by year 2020, applies to cars and light trucks of Model Years 2011 through 2020. In March 2020, the USEPA and National Highway Traffic Safety Administration (NHTSA) finalized the Corporate Average Fuel Economy standards for Model Years 2024–2026 Passenger Cars and Light Trucks, further detailed below.

Gasoline is the most-used transportation fuel in California, with 97 percent of all gasoline being consumed by light-duty cars, pickup trucks, and SUVs. According to the most recent data available, in 2022, total gasoline consumption in California was 316,425 thousand barrels or 1,597.6 trillion British Thermal Units (BTU). Of the total gasoline consumption, 299,304 thousand barrels or 1,511.2 trillion BTU were consumed for transportation. Based on fuel consumption obtained from CARB's California Emissions Factor Model, Version 2021 (EMFAC2021), approximately 366.2 million gallons of gasoline and approximately 157.8 million gallons of diesel will be consumed from vehicle trips in Fresno County in 2024.

Kerman General Plan

The City's General Plan Energy Resource Conservation section under the Conservation, Open Space, and Recreation Element includes objectives and policies that work to minimize energy consumption and reduce greenhouse gas

emissions as part of the statewide effort to combat climate change. The following policies related to energy are applicable to the proposed project:

> ***Policy COS-5.1: Reduction of Fossil Fuels Reliance.*** *The City shall promote the development and use of renewable energy resources (e.g., solar, thermal, wind, tidal) to reduce dependency on petroleum-based energy sources.*
>
> ***Policy COS-5.3: Sustainable Building Practices.*** *The City shall promote sustainable building practices that incorporate a "whole systems" approach to design and construction that consumes less energy, water, and other non-renewable resources, such as facilitating passive ventilation and effective use of daylight.*
>
> ***Policy COS-5.4: Renewable Energy Features in New Projects.*** *During the development review process, the City shall encourage projects to integrate features that support the generation, transmission, efficient use, and storage of renewable energy sources.*
>
> ***Policy COS-5.6: Electric Vehicle Charging.*** *The City shall encourage and support expanding Electric Vehicle (EV) charging stations and the purchase of electric vehicles.*
>
> ***Policy COS-5.7: Energy Conservation Awareness.*** *The City shall increase awareness about energy efficiency and conservation to encourage residents, businesses, and industries to conserve energy.*

Moreover, the City's General Plan has an Energy Conservation and Sustainable Development objective under the Housing Element which aims to encourage energy efficiency in all new and 2015–2023 housing. The following policies related to sustainability and energy are applicable to the proposed project:

> ***Policy HE-6.1: Energy Conservation in New Housing.*** *The City shall encourage the use of energy conserving techniques in the siting and design of new housing.*
>
> ***Policy HE-6.2: State Energy Conservation Requirements.*** *The City shall actively implement and enforce all State energy conservation requirements for new residential construction.*

Methodology

The analysis focuses on the four sources of energy that are relevant to the proposed Project: natural gas, electricity, the equipment fuel necessary for project construction, and vehicle fuel necessary for Project operations. For the purposes of this analysis, the amounts of electricity, natural gas, construction fuel, and fuel use from operations are quantified and compared to that consumed in Fresno County. The electricity and natural gas uses of the proposed project are analyzed on an annual basis. Electricity and natural gas uses were estimated for the Project using default energy intensities by land use type in CalEEMod.

4.6.3 Impact Assessment

Would the Project:

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

Less than Significant Impact.

Short-Term (Construction)

Short-term impacts are mainly related to the construction phase of a project and are recognized to be short in duration. Energy impacts from construction are generally attributable to the manufacture and transportation of building materials, preparation of the site for grading activities, utility installation, paving, and building construction and architectural coating. It should be noted that the Project is subject to California Code of Regulations (CCR), Title 24 Building Standards. The Title 24 California Building Standards Code is a wide-ranging set of requirements for energy conservation and green design that apply to the structural, mechanical, electrical, and plumbing systems in a building.

The operation of off-road equipment, trucks, and worker traffic would be the primary source of energy consumption during the construction of the Project. Energy consumption generated during the construction phase was estimated using CalEEMod defaults for construction equipment since the specific mix of construction equipment is not presently known. It should be noted that energy usage from construction of the Project would be temporary in nature and would cease upon completion of the Project.

The estimated consumption of diesel fuel, considering the construction schedule and hours of use determined by CalEEMod, is 74,892 gallons of diesel for the development/construction of the Project. Vehicle Miles Traveled (VMT) estimates during the construction of the Project were also determined by data points in the CalEEMod program. Worker, vendor, and haul trips would result in 319,889 VMT for the duration of construction activities. Construction trips would account for approximately 20,063 gallons of motor vehicle fuel.

Long-Term (Operations)

As noted previously, the Project includes the development of single-family residences in the City of Kerman. The Project's operation will include typical equipment consistent with residential uses such as HVAC units. Table 4-11 provides an estimate of energy use for the proposed Project. Estimated electricity, natural gas, and motor vehicle gasoline consumption were derived from estimates included in the CalEEMod program. As shown below, the Project would consume approximately 1,729,118 kWh of electricity, 7,198,779 kBtu of natural gas, and 253,864 gallons of gasoline per year. As shown in Table 4-11, Project electricity, natural gas, and vehicle gasoline consumption equates to roughly 0.0006%, 0.0006%, and 0.0019%, respectively, of statewide consumption.

Table 4-11 Project Operational Energy Consumption

Land Use	Electricity Use (kWh/year)	Natural Gas (kBtu/year)	Vehicle Gasoline (gallons/year)
Single-Family Housing	1,729,118	7,198,779	253,864
Project Total	1,729,118	7,198,779	253,864
State Consumption (2023)	276,212,890,000	1,196,386,000,000	13,400,000,000
Project Percentage of Statewide Consumption	0.0006%	0.0006%	0.0019%

As noted above, the Project is subject to CCR, Title 24 Building Standards. Compliance with Title 24 of the CCR would improve energy efficiency and consumption. As a result, construction of the Project will not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation.

Operation of the Project would include the use of electricity and natural gas for heating and cooling, lighting, appliances, and water heating. As discussed above, the Title 24 California Building Standards Code is a wide-ranging set of requirements for energy conservation and green design that apply to the structural, mechanical, electrical, and plumbing systems in a building. As a result, the electricity and natural gas use will not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation.

The Energy Policy and Conservation Act of 1975 sought to ensure that all vehicles sold in the U.S. would meet certain fuel economy goals. Through this Act, Congress established the first fuel economy standards for on-road motor vehicles in the U.S. Pursuant to the Act, the National Highway Traffic and Safety Administration, which is part of the USDOT, is responsible for establishing additional vehicle standards and for revising existing standards. Since 1990, the fuel economy standard for new passenger cars has been 27.5 mpg. Since 1996, the fuel economy standard for new light trucks (gross vehicle weight of 8,500 pounds or less) has been 20.7 mpg. The Energy Independence and Security Act of 2007 seeks to achieve energy security in the United States by increasing renewable fuel production, improving energy efficiency and performance, protecting consumers, improving vehicle fuel economy, and promoting research on greenhouse gas capture and storage. The average fuel economy for light-duty vehicles (autos, pickups, vans, and SUVs) in the United States has gradually increased from about 14.9 mpg in 1980 to 22.3 mpg in 2017 based on data provided by the U.S. Department of Transportation, National Highway Traffic Safety Administration, Fleet Fuel Economy Performance Report.

The Project will result in an annual VMT increase of 4,914,813 considering CalEEMod calculations, which results in 253,864 gallons of gasoline per year as noted in Table 4-11 (assuming 19.36 mpg). However, new vehicles accessing the Project site would be in compliance with the federal fuel economy standards described above. As a result, fuel efficiency from vehicles accessing the site would increase over the life of the Project. Therefore, energy impacts related to fuel consumption during Project operations would be less than significant.

Based on the assessment above, the Project will not result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. No increases in inefficiencies or unnecessary energy consumption are expected to occur as a direct or indirect consequence of the Project. Therefore, any impacts would be less than significant.

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

Less than Significant Impact. As discussed above, the Project is subject to CCR, Title 24 Building Standards. Compliance with Title 24 of the CCR would improve energy efficiency and consumption. In addition, the Project will acquire electricity through the local utility (Pacific Gas & Electric Company) which is subject to the guidelines provided in California Senate Bill 100 (SB 100). SB 100 expedited and expanded the Renewable Portfolio Standard (RPS) program (SB 1078), which obliged utilities to grow renewable generation by at least one percent of sales every year, with a 20 percent target by 2017. SB 100 mandates that a 50% RPS be achieved by December 31, 2026, and a 60% RPS by December 31, 2030. SB 100 also established a new statewide policy target of supplying 100 percent of electricity retail sales and 100 percent of power procured to serve all state agencies by December 31, 2045, using qualifying renewable energy and zero-carbon resources.

Title 24 energy efficiency standards mandate measures for residential and non-residential buildings, including solar, EV charging equipment, bicycle parking, energy efficiency, water conservation, and material conservation. Single-family residences developed by the Project will be located near jobs to minimize vehicle travel and enhance pedestrian and bicycle connectivity. The Project's location near an existing community will further improve connectivity throughout the City of Kerman. Compliance ensures the development will not conflict with policies aimed at reducing energy use or increasing renewable energy. Therefore, the impact on operational energy efficiency and renewable energy standards will be less than significant.

The 2022 Scoping Plan lays forth a plan for achieving carbon neutrality goals and reducing anthropogenic GHG emissions by 85% below 1990 levels by 2045 as required by AB 1279. By implementing clean technologies and fuels, the plan's actions and results will result in significant decreases in the combustion of fossil fuels, further decreases in short-lived climate pollutants, support for sustainable development, increased action on working and natural lands to reduce emissions and sequester carbon, and the capture and storage of carbon. Below is a list of applicable strategies in the Scoping Plan and the Project's consistency with those strategies.

- Achieve 100 percent Zero-Emission Vehicle (ZEV) sales of light-duty vehicles by 2035 and medium-heavy-duty vehicles by 2040.
    - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the residential development. The Project would not conflict or obstruct this reduction measure.
- Accelerate the reduction and replacement of fossil fuel production and consumption in California.
    - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the residential development. The Project would not conflict or obstruct this reduction measure.

The Project would be consistent with applicable plans related to renewable energy and energy efficiency as noted above which facilitates the decrease in overall per capita energy consumption and reliance on fossil fuels such as coal, natural gas and oil, and increases reliance on renewable energy sources. As a result, the Project will not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Therefore, any impacts would be less than significant.

4.6.4 Mitigation Measures

None required.

4.7 GEOLOGY AND SOILS

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

unique geologic feature?				

4.7.1 Project Components Analyzed

For purposes of this geology and soils analysis, the "Project site" refers to the three parcels proposed for development under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), where grading, construction, and development activities would occur. APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and geotechnical review.

4.7.2 Environmental Setting

The City of Kerman is in the San Joaquin Valley which is one of the two large valleys comprising the Great Valley Geomorphic Province. The San Joaquin Valley is surrounded by Sierra Nevada (east), Coast Ranges (west), Tehachapi (south), and the Sacramento Valley (north). A brief discussion of the likelihood of seismic activities to occur in or affect Fresno is provided below. The following discussion is based on the Fresno County Multi-Jurisdictional Hazard Mitigation Plan (HMP) adopted in May 2018 as well as the Kerman General Plan Public Health and Safety Element.[5]

Faulting

There are no known active faults in the city, inclusive of the Project Area. No Alquist-Priolo Earthquake Fault zoning has been established for the city. The nearest active fault and Alquist-Priolo Fault zoning to the city is the Ortigalita Fault, which is located approximately 46 miles west of the Project Area.[6] Due to the distance from an active fault, there is low potential for ground rupture in the city.

Ground Shaking

According to the HMP, Kerman is in an area that is seismically active; however, the potential for dangerous seismic activity is slight. This is due to the city's long distance to faults. The most notable past earthquake in Kerman is the Coalinga earthquake in 1983, which measured magnitude 6.7 on the Richter scale. The earthquake did not cause any damage in Kerman but was felt by residents.

Liquefaction

Liquefaction primarily occurs in areas of recently deposited sands and silts and in areas of high groundwater levels. Susceptible areas include sloughs and marshes that have been filled in and developed over. In addition to necessary soil conditions, liquefaction is induced by intense and prolonged ground shaking, usually above a ground acceleration of 0.3g before liquefaction occurs within sandy soil with relative densities typical of the San Joaquin alluvial deposits. Based on historic aerial imagery and search of the National Wetlands Inventory (Section 4.10), the

[5] County of Fresno. (2018). Fresno County Multi-Jurisdictional Hazard Mitigation Plan. Accessed on September 8, 2025, https://www.fresnocountyca.gov/files/sharedassets/county/public-health/fresno-county-hmp-final.pdf

[6] California Department of Conservation. "CGS Seismic Hazard Program: Alquist-Priolo Fault Hazard Zones." Accessed on September 8, 2025, https://gis.data.ca.gov/maps/ee92a5f9f4ee4ec5aa731d3245ed9f53/explore?location=37.213952%2C-117.946341%2C7.19

Project Area does not include former or current waters (streams, drainages, wetlands) that have been drained, filled, and developed.

Erosion

Wind and flowing water are the primary agents of erosion in the San Joaquin Valley. Two types of areas with moderate to high erosion potential are identified by the HMP: soils in the Sierra Nevada and foothills on slopes over 30 percent and soils in the western San Joaquin Valley and Coast Ranges. According to the HMP, Kerman has a low significance for erosion hazards.

Ground Subsidence

Ground subsidence is the settling or sinking of surface soil deposits with little or no horizontal motion. Soils with high silt or clay content are subject to subsidence. While the County of Fresno identifies a significant hazard significance for subsidence due to heavy groundwater withdrawal, Kerman has a low significance for subsidence hazards. Areas with potential for subsidence hazards are in western Fresno County over 26 miles southwest from the Project Area, as mapped in the HMP.

Subsurface Soils

A search of the Web Soil Survey by the USDA Natural Resources Conservation Service indicates that the following soils comprise the annexation boundary and Project site. Figure 4-2 shows the location of these soils. [7]

> ***Ha:*** *Hanford coarse sandy loam, 0 to 2 percent slopes, well drained, very low runoff, with no potential of flooding and ponding. The depth to water table is more than 80 inches. The Ha soils account for 26.6% of the Project Area.*
>
> ***Hg:*** *Hanford sandy loam, silty substratum, 0 to 2 percent slopes, well drained, very low runoff, with no potential of flooding and ponding. The depth to water table is more than 80 inches. The Hg soils account for 70.3% of the Project Area.*
>
> ***Hsm:*** *Hesperia sandy loam, deep, 0 percent slope, well drained, negligible runoff, with rare potential of flooding and no potential of ponding. The depth to water table is more than 80 inches. The Hsm soils account for 3.1% of the Project Area.*

California Building Code

The California Code of Regulations (CCR) Title 24 is assigned to the California Building Standards Commission, which, by law, is responsible for coordinating all building standards. The California Building Code incorporates by reference the International Building Code with necessary California amendments. About one-third of the text within the California Building Standards Code has been tailored for California earthquake conditions. These standards are applicable to all new buildings and are required to provide the necessary safety from earthquake related effected emanating from fault activity.

[7] United States Department of Agriculture Natural Resources Conservation Service. "Web Soil Survey." Accessed on September 8, 2025, https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

General Plan

The Kerman General Plan includes objectives and policies relevant to natural hazards in the Public Health and Safety Element to mitigate for earthquakes, liquefaction, flooding, landslides, and erosion:

Goal PH-4: *To prevent the loss of life and personal property by reducing the risk and magnitude of hazards from natural and man-made hazards, including earthquakes, floods, fires, and climate change.*

> ***Policy PH-4.1: Hazard Mitigation Plan.*** *The City shall continue to actively participate in and implement the Fresno County Multi-Hazard Mitigation Plan to reduce risks from natural disasters.*
>
> ***Policy PH-4.2: Mitigation Funding.*** *The City shall continue to pursue funding opportunities to implement Kerman Projects that are identified in the Fresno County Multi-Hazard Mitigation Plan.*
>
> ***Policy PH-4.3: Building Regulations for Seismic Safety.*** *The City shall require all new development to be constructed in accordance with the current seismic safety design standards at the time of initial building plan submittal.*

Goal PH-5: *To protect residents and employees from potential hazards from unreinforced masonry buildings and other substandard buildings.*

> ***Policy PH-5.1 Unreinforced Masonry Buildings Abatement/Rehabilitation.*** *The City shall continue to abate or rehabilitate unreinforced masonry buildings, as defined by the Uniform Housing Code.*

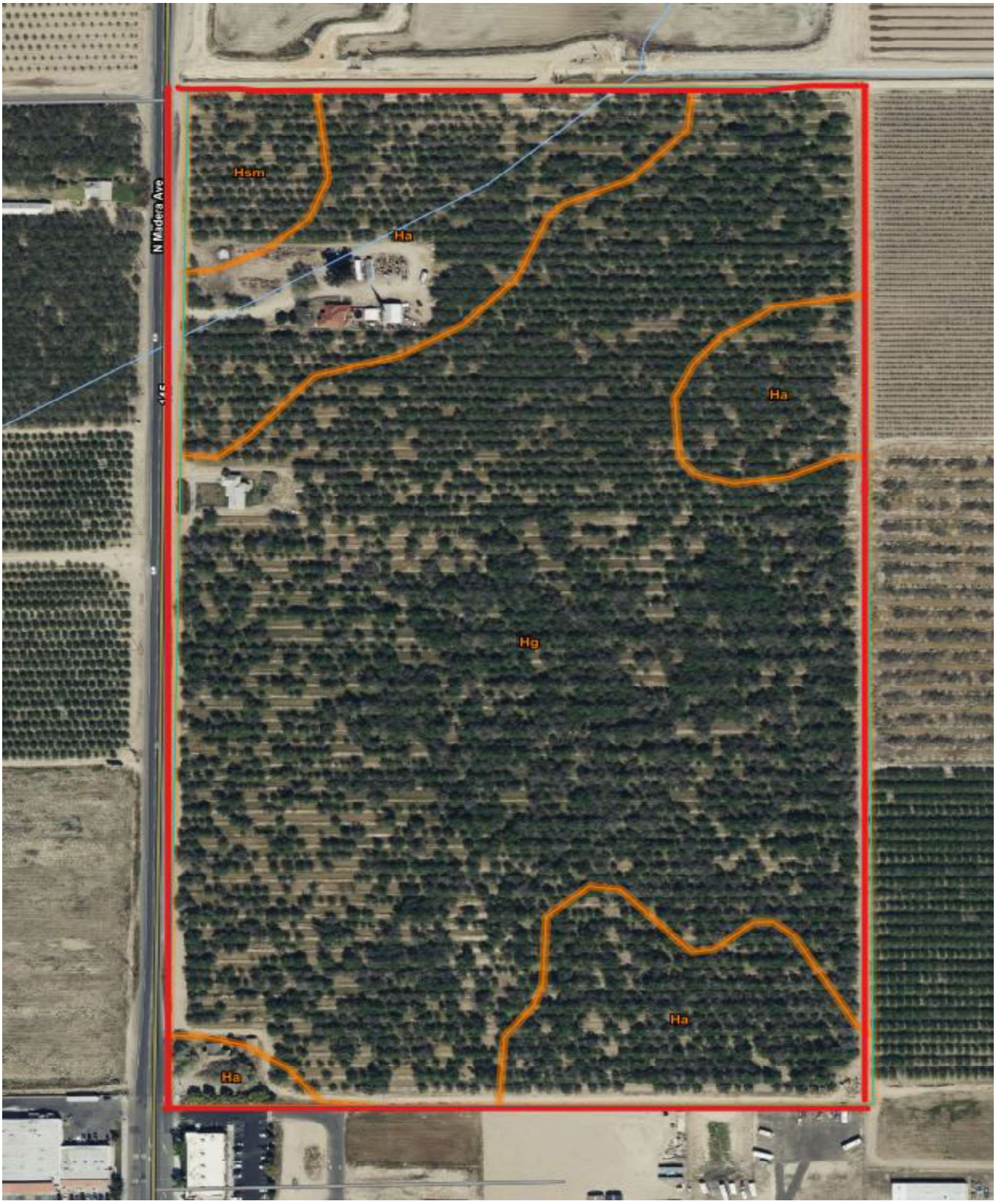


Figure 4-2 Soils Map for Project Site

4.7.3 Impact Assessment

Would the Project:

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.*

No Impact. There are no known active earthquake faults in Kerman, inclusive of the Project Area, nor is Kerman within an Alquist-Priolo earthquake fault zone as established by the Alquist-Priolo Fault Zoning Act. Thus, the Project would not cause rupture of a known earthquake fault and therefore, would have no impact.

ii. *Strong seismic ground shaking?*

Less than Significant Impact. The Project site is in a zone with a low potential for dangerous seismic activity. Future development would be required to comply with current seismic protection standards in the CBC which would significantly limit potential damage to structures and thereby reduce potential impacts including the risk of loss, injury, or death. Compliance with the CBC would ensure a less than significant impact.

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

Less than Significant Impact. There are no known active earthquake faults in Kerman and Kerman has historically been subject to low to moderate ground shaking. The Project site is in an area with low susceptibility to liquefaction with no known geologic hazards or unstable soil conditions. Due to the distance from an active fault, there is low potential for ground rupture. Further, the Project site is primarily made up of sandy loam soils that are well drained, which are less susceptible to liquefaction than silt or sands. In addition, development would be required to comply with CBC, the city's grading and drainage standards, and specific requirements that address liquefaction. For these reasons, the Project does not have any aspect that could result in seismic-related ground failure including liquefaction and a less than significant impact would occur because of the Project.

iv. *Landslides?*

No Impact. The topography of the Project site is relatively flat with stable, native soils, and the site is not in the immediate vicinity of rivers or creeks that would be more susceptible to landslides. Therefore, no impact would occur because of the Project.

b) Result in substantial soil erosion or the loss of topsoil?

Less than Significant Impact. Soil erosion and loss of topsoil can be caused by natural factors, such as wind and flowing water, and human activity. Development of the Project Area would require typical site preparation activities such as grading and trenching which may result in the potential for short-term soil disturbance or erosion impacts. Construction would also involve the use of water which may cause further soil disturbance. Such impacts would be addressed through compliance with regulations set by the State Water Resources Control Board (SWRCB). Namely, the SWRCB requires sites larger than one (1) acre to comply with the General Permit for Discharges of Storm Water Associated with Construction Activity. The General Permit requires the development of a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer (QSD). The SWPPP estimates the sediment risk

associated with construction activities and includes best management practices (BMP) to control erosion. BMPs specific to erosion control cover erosion, sediment, tracking, and waste management controls. Implementation of the SWPPP minimizes the potential for the Project to result in substantial soil erosion or loss of topsoil. With these provisions in place, impacts to soil and topsoil by the Project would be considered less than significant.

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?

Less than Significant Impact. Ground subsidence is the settling or sinking of surface soil deposits with little or no horizontal motion. Soils with high silt or clay content are subject to subsidence. Subsidence typically occurs in areas with groundwater withdrawal or oil or natural gas extraction. The topography of the site is relatively flat with stable, native soils and no apparent unique or significant landforms. Furthermore, the Project site is in an area of low significance for seismic activity due to its distance from faults. Such factors minimize the potential for other geologic hazards such as landslides, lateral spreading, subsidence, liquefaction, or collapse. Therefore, any development on the native, stable soils is unlikely to become unstable and result in geologic hazards. In addition, the Project would be required to comply with current seismic protection standards in the CBC which would significantly limit potential seismic-related hazards such as landslides, lateral spreading, subsidence, liquefaction, or collapse. Compliance with the CBC would ensure a less than significant impact.

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

No Impact. The Project site is relatively flat with native sandy loam soils. Sandy loam soils are not classified as expansive soil, as defined in Table 18-1-B of the Uniform Building Code and would not create substantial direct or indirect risks to life or property. Thus, no impact would occur because of the Project.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. The Project site is proposed to be annexed into Kerman's City limits and thus, would be required to connect to municipal wastewater services. Thus, no permanent septic tanks or alternative wastewater disposal systems would be installed, and no impact would occur.

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

Less than Significant Impact with Mitigation Incorporated. There are no known paleontological resources or unique geological features known to the City in the Project site. Nevertheless, there is some possibility that a non-visible, buried site may exist and may be uncovered during ground disturbing construction activities which would constitute a significant impact. However, ***Mitigation Measure CUL-1*** requires that if unknown paleontological resources are discovered during construction activities, work would cease until a qualified paleontologist determined the appropriate course of action. With implementation of ***Mitigation Measure CUL-1***, the Project would have a less-than significant impact.

4.7.4 Mitigation Measures

Mitigation Measure CUL-1: *In order to avoid the potential for impacts to historic and prehistoric archaeological resources, the following measures shall be implemented in conjunction with the construction of each phase of the Project:*

If previously unknown historical, archeological, cultural, or paleontological resources are encountered before or during grading activities, construction shall stop in the immediate vicinity of the find and a qualified archeologist, historical resources specialist, or paleontologist, shall be consulted to determine whether the resource requires further study. Notification of discovery shall be provided to the City Community Development Department.

The qualified archeologist, historical resources specialist, or paleontologist shall make recommendations to the project proponent on the measures that shall be implemented to protect the discovered resources, including but not limited to excavation of the finds and evaluation of the finds in accordance with Section 15064.5 of the CEQA Guidelines and City's policies and procedures related to historical, cultural, and paleontological resources. Notification of the measures shall be provided to the City Community Development Department.

If the resources are determined to be unique historical resources as defined under Section 15064.5 of the CEQA Guidelines, measures shall be identified by the monitor and recommended to the project proponent, who shall notify the City Community Development Department. Appropriate measures for significant resources could include avoidance or capping, preservation in-place, recordation, additional archeological resting, incorporation of the site in green space, parks, or open space, or data recovery excavations of the finds.

No further grading shall occur in the area of the discovery until the City Community Development Department approves the measures to protect these resources. Any historical, archeological, cultural, or paleontological artifacts recovered as a result of mitigation shall be provided to a City-approved institution or person who is capable of providing long-term preservation to allow future scientific study.

4.8 GREENHOUSE GAS EMISSIONS

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

4.8.1 Project Components Analyzed

For purposes of this GHG analysis, the "Project" refers to the proposed development of 183 single-family residential lots ("Harvest Estates") on portions of APNs 025-130-48, 025-130-47, and 025-130-60S under Vesting Tentative Subdivision Map No. 2025-01 (approximately 31 acres). The ±21-acre commercial remainder parcel (also within the three core APNs) and APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and environmental review.

4.8.2 Environmental Setting

The Air Quality Impact Assessment was prepared by JK Consulting Group (dated May 2025). The modeling parameters, assumptions, findings report, and appendices are provided in Appendix A. Results are incorporated herein. It should be noted that the Assessment analyzed the development of 185 single-family lots; however, only 183 single-family lots are proposed for the latest iteration of the Tentative Tract Map. This should not affect the outcome of the analysis since the proposed development of 183 lots would have a less impact than 185 lots that were analyzed in the Assessment.

The methodology follows the *Guidance for Assessing and Mitigating Air Quality Impacts* (GAMAQI) prepared by the San Joaquin Valley Air Pollution Control District (SJVAPCD) for the quantification of emissions and evaluation of potential impacts to air resources. The modeling parameters, assumptions, findings report, and appendices are provided in Appendix A. Results are incorporated herein.

Background

Gases that absorb and re-emit infrared radiation in the atmosphere are called Greenhouse Gases (GHGs). The gases widely seen as the principal contributors to human-induced climate change include CO2, methane (CH4), nitrous oxides (N2O), fluorinated gases such as hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs), and sulfur hexafluoride (SF6). Water vapor is excluded from the list of GHGs because it is short-lived in the atmosphere, and natural processes, such as oceanic evaporation, largely determine its atmospheric concentrations. Of these gases, CO2 and CH4 are emitted in the greatest quantities from human activities. Emissions of CO2 are usually by-products of fossil fuel combustion, and CH4 results from off-gassing associated with agricultural practices and landfills.

Human-made GHGs, many of which have greater heat-absorption potential than CO2, include fluorinated gases and SF6 (U.S. EPA 2021). A description of the principal contributors to human-induced climate change are described below:

- **Carbon dioxide (CO_2):** Carbon dioxide enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and because of other chemical reactions (e.g., manufacture of cement, asphalt paving, truck trips). Carbon dioxide is also removed from the atmosphere (or "sequestered") when it is absorbed by plants as part of the biological carbon cycle.
- **Methane (CH_4):** Methane is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and by the decay of organic waste in municipal solid waste landfills.
- **Nitrous oxide (N_2O):** Nitrous oxide is emitted during agricultural and industrial activities, as well as during combustion of fossil fuels and solid waste; as well as during treatment of wastewater.
- **Fluorinated Gases:** Hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride are synthetic, powerful greenhouse gases that are emitted from a variety of industrial processes. Fluorinated gases (especially hydrofluorocarbons) are sometimes used as substitutes for stratospheric ozone-depleting substances (e.g., chlorofluorocarbons, hydrochlorofluorocarbons, and halons). Fluorinated gases are typically emitted in smaller quantities than other greenhouse gases, but they are potent greenhouse gases. With global warming potentials (GWPs) that typically range from thousands to tens of thousands, they are sometimes referred to as high-GWP gases because, for a given amount of mass, they trap substantially more heat than CO2.

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally occurring GHGs (e.g., CO_2, CH_4, and N_2O), some gases (e.g., Fluorinated Gases) are completely new to the atmosphere.

Certain gases (e.g., water vapor) are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to CO_2, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of CO_2 equivalents (CO_2e).

General Plan

The City's General Plan contains policies indirectly related to GHGs and climate change. This includes measures to improve transit efficiency, reduce truck idling, increase ridesharing, promote mixed land uses, and requiring the implementation of energy saving features such as solar energy systems, water efficient landscaping, and energy

efficient, sustainable building standards. The following policies related to GHG emissions from the General Plan are applicable to the proposed Project:

> ***Policy CIRC-2.5: Greenhouse Gas Reduction.*** *The City shall strive to achieve VMT reductions consistent with the California Air Resources Board (CARB) 2017 Scoping Plan statewide greenhouse gas (GHG) emission reduction goals of 40 percent below 1990 emissions levels by 2030, or the latest guidance from CARB, as updated.*
>
> ***Policy CIRC-5.1: Alternative Modes of Transportation.*** *The City shall encourage project site designs and subdivision street and lot designs that support alternative modes of transportation, including public transit, bicycling, and walking.*
>
> ***Policy CIRC-5.2: Active Transportation.*** *The City shall encourage bicycling, walking, taking public transit, and carpooling as alternatives to driving single-passenger vehicles to reduce VMT, traffic congestion, and associated emissions from additional automobile use.*
>
> ***Policy HE-1.6: Higher-Density, Mixed-Use, and Transit-Oriented Development.*** *The City shall promote development of higher-density housing, mixed-use, and transit-oriented development in areas located along major transportation corridors and transit routes and served by the necessary infrastructure.*
>
> ***Policy COS-5.2: GHG Reduction in Coordination with Regional Agencies.*** *The City shall work with FCOG and the San Joaquin Valley Air Pollution Control District to develop and implement regional plans for the reduction of GHG emissions.*
>
> ***Policy PH-4.5: Urban Greening.*** *The City shall promote the use of urban greening techniques, such as cool pavement technology, parking lot shading, landscaping, and other methods to offset climate change impacts and reduce greenhouse gas emissions for discretionary development and City-initiated projects.*

In addition, Appendix B of the General Plan describes project-specific review requirements that will be applied, as appropriate to the Project to reduce the adversity of potential environmental impacts. Applicable measures will be implemented through the Project's Conditions of Approval.

> ***Greenhouse Gas Emissions Topic B.*** *The following off-road construction equipment measures shall be implemented, as feasible, for all projects under the 2040 General Plan to ensure that applicable greenhouse gas (GHG) emissions- reducing measures for off-road construction vehicles are implemented during construction. The measures shall be noted on all construction plans and the project sponsor shall perform periodic site inspections. Applicable GHG-reducing measures include the following:*
>
> - *Use of diesel construction equipment meeting CARB's Tier 2 certified engines or cleaner off- road heavy-duty diesel engines, and comply with the State Off-Road Regulation;*
> - *Use of on-road heavy-duty trucks that meet the CARB's 2007 or cleaner certification standard for on-road heavy-duty diesel engines, and comply with the State On-Road Regulation;*
> - *All on and off-road diesel equipment shall not idle for more than 5 minutes. Signs shall be posted in the designated queuing areas and or job sites to remind drivers and operators of the 5-minute idling limit;*
> - *Use of electric equipment in place of diesel-powered equipment, where feasible;*
> - *Substitute gasoline-powered in place of diesel-powered equipment, where feasible;*

- *Use of alternatively fueled construction equipment, such as compressed natural gas (CNG), liquefied natural gas (LNG), propane or biodiesel, in place of diesel-powered equipment for 15 percent of the fleet;*
- *Utilize existing grid power for electric energy rather than operating temporary gasoline/diesel powered generators;*
- *Use of materials sources from local suppliers; and*
- *Recycling and reuse of at least 50 percent of construction waste materials.*

Greenhouse Gas Emissions Topic C. *The City shall require project proponents to submit a GHG Reduction Plan as part of their application for discretionary project approval that incorporates applicable and feasible project features and programs to reduce project GHG emissions consistent with the California Air Resources Board 2017 Scoping Plan, Appendix B Local Action, and as amended in the future. The City shall develop guidelines for preparing a project specific GHG Reduction Plan. This could include the following or other actions demonstrated to reduce project GHG emissions:*

- *Comply with lead agency's standards for mitigating transportation impacts under SB 743;*
- *Allow for new construction to install fewer on-site parking spaces than required by local municipal building code, if appropriate;*
- *Dedicate on-site parking for shared vehicles;*
- *Require on-site renewable energy generation;*
- *Prohibit wood-burning fireplaces in new development, and require replacement of wood- burning fireplaces for renovations over a certain size developments;*
- *Require cool roofs and "cool parking" that promotes cool surface treatment for new parking facilities as well as existing surface lots undergoing resurfacing;*
- *Require solar-ready roofs;*
- *Require organic collection in new developments;*
- *Achieve Zero Net Energy performance building standards prior to dates required by the Energy Code;*
- *Encourage new construction, including municipal building construction, to achieve third-party green building certifications, such as the GreenPoint Rated program, LEED rating system, or Living Building Challenge;*
- *Require preferential parking spaces for park and ride to incentivize carpooling, vanpooling, commuter bus, electric vehicles, and rail service use;*
- *Require a transportation management plan for specific plans which establishes a numeric target for non-SOV travel and overall VMT;*
- *Require gas outlets in residential backyards for use with outdoor cooking appliances such as gas barbeques, if natural gas service is available;*
- *Require the installation of electrical outlets on the exterior walls of both the front and back of residences to promote the use of electric landscape maintenance equipment;*
- *Require the design of the electric outlets and/or wiring in new residential unit garages to promote electric vehicle usage;*
- *Require electric vehicle charging station (Conductive/inductive) and signage for non- residential developments;*

- *Provide electric outlets to promote the use of electric landscape maintenance equipment to the extent feasible on parks and public/quasi-public lands;*
- *Require each residential unit to be "solar ready," including installing the appropriate hardware and proper structural engineering;*
- *Require the installation of energy conserving appliances such as on-demand tank-less water heaters and whole-house fans;*
- *Require each residential and commercial building equip buildings with energy efficient AC units and heating systems with programmable thermostats/timers;*
- *Require large-scale residential developments and commercial buildings to report energy use, and set specific targets for per-capita energy use;*
- *Require each residential and commercial building to utilize low flow water fixtures such as low flow toilets and faucets (see CALGreen Divisions 4.3 and 5.3 as well as Appendices A4.3 and A5.3);*
- *Require the use of energy-efficient lighting for all street, parking, and area lighting;*
- *Require the landscaping design for parking lots to utilize tree cover and compost/mulch;*
- *Incorporate water retention in the design of parking lots and landscaping, including using compost/mulch;*
- *Require the development project to propose an off-site mitigation project which should generate carbon credits equivalent to the anticipated GHG emission reductions. This would be implemented via an approved protocol for carbon credits from California Air Pollution Control Officers Association (CAPCOA), the California Air Resources Board, or other similar entities determined acceptable by the local air district;*
- *Require the project to purchase carbon credits from the CAPCOA GHG;*
- *Reduction Exchange Program, American Carbon Registry (ACR), Climate Action Reserve (CAR) or other similar carbon credit registry determined to be acceptable by the local air district; or*
- *Encourage the applicant to consider generating or purchasing local and California-only carbon credits as the preferred mechanism to implement its offsite mitigation measure for GHG emissions and that will facilitate the State's efforts in achieving the GHG emission reduction goal.*

Methodology

GHG emissions associated with the Project would occur over the short term from construction activities, consisting primarily of emissions from equipment exhaust. There would also be long-term GHG emissions associated with project-related area sources, energy consumption, water conveyance and treatment, and waste generation.

Thresholds of Significance

Neither the City nor the SJVAPCD has developed or adopted numeric GHG significance thresholds. Therefore, this analysis evaluates the GHG emissions based on the project's consistency with applicable State GHG reduction goals.

4.8.3 Impact Assessment

Would the Project:

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

Less than Significant Impact. Assembly Bill (AB) 32, also known as the Global Warming Solutions Act of 2006 (Nunez), expanded CARB's role to development and oversight of California's main GHG reduction programs. These include cap and trade, the Low Carbon Fuel Standard, and the zero-emission vehicle programs. AB 1279 (Muratsuchi) affirms California's plan to achieve net zero GHG emissions by the year 2045. In addition, the bill also mandates that statewide anthropogenic GHG emissions be reduced to at least 85% below the 1990 levels.

CARB's 2022 Scoping Plan lays forth a plan for achieving carbon neutrality goals and reducing anthropogenic GHG emissions by 85% below 1990 levels by 2045 as required by AB 1279. By implementing clean technologies and fuels, the plan's actions and results will result in significant decreases in the combustion of fossil fuels, further decreases in short-lived climate pollutants, support for sustainable development, increased action on working and natural lands to reduce emissions and sequester carbon, and the capture and storage of carbon.

Emissions Estimates

The estimated total GHG emissions during the construction phase of the Project is 360 MT CO2e. Construction emissions amortized over a 30-year project lifetime (estimated) yield approximately 12.0 MT CO2e per year as shown in Table 4-12. Total operational emissions combined with amortized construction emissions shows that the Project will generate 2,550.0 MT CO2e per year.

The 2022 Scoping Plan recognizes three (3) methods for evaluating a projects alignment with the State's climate goals in CEQA GHG analyses. These methods can be used at the discretion of lead agencies for the purpose of determining if a project would have a potentially significant impact on GHG emissions. The three (3) methods are described below:

- Determine if the project includes key project attributes that reduce operational GHG emissions while simultaneously advancing fair housing;
- Determine if the project would result in net-zero GHG emissions;
- Assessment of a projects GHG impact by employing a threshold of significance recommended by the applicable air district or other lead agencies.

As documented in the 2022 Scoping Plan, the third method allows lead agencies to analyze GHG impacts of a project by utilizing thresholds of significance recommended by the SJVAPCD or other lead agencies. The SJVAPCD has not established specific thresholds of significance for GHG emissions.

While existing GHG emission thresholds developed by other lead agencies were based on consistency with meeting AB 32 goals, they provide some perspective on the GHG emissions generated by the Project. The CARB, Sacramento Metropolitan Air Quality Management District, and South Coast Air Quality Management District established GHG thresholds for their respective regions. Table 4-12 shows the yearly GHG emissions generated by the Project as determined by the CalEEMod model. The projected GHG emissions generated by the Project are less than the emissions thresholds identified by other lead agencies, reflecting between 25% and 36% of the identified thresholds. As a result, the Project will not generate greenhouse gas emissions, either directly or indirectly, that

may have a significant impact on the environment. Therefore, mitigation is not warranted since there is a less than significant impact from Project operational emissions.

Table 4-12 Project Greenhouse Gas Emissions

Pollutant	Project Construction Emission tons/year	Project Operational Emissions tons/year	Project Total GHG Emissions tons/year	Emission Threshold tons/year	Exceed Threshold?
Greenhouse Gas (CO2)	12.00	2,538.00	2,550.00	California Air Resources Board 7,000	No
				South Coast Air Quality Management District 10,000	No
				Sacramento Metropolitan Air Quality Management District 1,100 Construction 10,000 Operational	No

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

Less than Significant Impact. SB 375 requires MPOs to adopt a SCS or APS that will prescribe land use allocation in that MPO's regional transportation plan. CARB, in consultation with MPOs, has provided each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. For the Fresno COG region, CARB set targets at six (6) percent per capita decrease in 2020 and a thirteen (13) percent per capita decrease in 2035 from the base year of 2005.

Executive Order B-30-15 establishes a California greenhouse gas reduction target of 40 percent below 1990 levels by 2030 to ensure California meets its target of reducing greenhouse gas emissions to 80 percent below 1990 levels by 2050. AB 1279 (Muratsuchi) affirms California's plan to achieve net zero GHG emissions by the year 2045. In addition, the bill also mandates that statewide anthropogenic GHG emissions be reduced to at least 85% below the 1990 levels.

The 2022 Scoping Plan lays forth a plan for achieving carbon neutrality goals and reducing anthropogenic GHG emissions by 85% below 1990 levels by 2045 as required by AB 1279. By implementing clean technologies and fuels, the plan's actions and results will result in significant decreases in the combustion of fossil fuels, further decreases in short-lived climate pollutants, support for sustainable development, increased action on working and natural lands to reduce emissions and sequester carbon, and the capture and storage of carbon. Below is a list of applicable strategies in the Scoping Plan and the Project's consistency with those strategies.

- Achieve 100 percent Zero-Emission Vehicle (ZEV) sales of light-duty vehicles by 2035 and medium-heavy-duty vehicles by 2040.

  - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the residential development. The Project would not conflict or obstruct this reduction measure.
- Accelerate the reduction and replacement of fossil fuel production and consumption in California.
  - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the residential development. The Project would not conflict or obstruct this reduction measure.

The 2022 Scoping Plan recognizes three (3) methods for evaluating a project's alignment with the State's climate goals in CEQA GHG analyses. These methods can be used at the discretion of lead agencies for the purpose of determining if a project would have a potentially significant impact on GHG emissions. As described above, the projected GHG emissions generated by the Project are less than the emissions thresholds identified by other lead agencies, reflecting between 25% and 36% of the identified thresholds. The Project will not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. Therefore, mitigation is not warranted since there is a less than significant impact from Project operational emissions.

4.8.4 Mitigation Measures

None required.

4.9 HAZARDS AND HAZARDOUS MATERIAL

	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?			X	
b)	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			X	
c)	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			X	
d)	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?		X		
e)	For a Project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in a safety hazard for people residing or working in the Project Area?				X
f)	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			X	
g)	Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			X	

4.9.1 Project Components Analyzed

For purposes of this hazards analysis, the "Project site" refers to the three parcels proposed for development under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), as evaluated in the CREtelligent Phase I Environmental Site Assessment (December 16, 2024;

Appendix F) for the residences and orchard at 134, 342, and 402 N Madera Avenue. APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and Phase I ESA review as required.

4.9.2 Environmental Setting

For the purposes of this section, the term “hazardous materials” refers to "injurious substances," which include flammable liquids and gases, poisons, corrosives, explosives, oxidizers, radioactive materials, and medical supplies and waste. These materials are either generated or used by various commercial and industrial activities. Hazardous wastes are injurious substances that have been or will be disposed. Potential hazards arise from the transport of hazardous materials, including leakage and accidents involving transporting vehicles. There also are hazards associated with the use and storage of these materials and wastes. Hazardous materials are grouped into the following four categories based on their properties:

- Toxic: causes human health effect
- Ignitable: has the ability to burn
- Corrosive: causes severe burns or damage to materials
- Reactive: causes explosions or generates toxic gases

“Hazardous wastes” are defined in California Health and Safety Code *Section 25141(b)* as wastes that: “…because of their quantity, concentration, or physical, chemical, or infectious characteristics, [may either] cause or significantly contribute to an increase in mortality or an increase in serious illness or pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.” A hazardous waste is any hazardous material that is discarded, abandoned, or slated to be recycled. If improperly handled, hazardous materials and hazardous waste can result in public health hazards if released into the soil or groundwater or through airborne releases in vapors, fumes, or dust. Soil and groundwater having concentrations of hazardous constituents higher than specific regulatory levels must be handled and disposed of as hazardous waste when excavated or pumped from an aquifer. The California Code of Regulations, Title 22, *Sections 66261.20-24* contains technical descriptions of toxic characteristics that could cause soil or groundwater to be classified as hazardous waste.

Hazardous waste generators may include industries, businesses, public and private institutions, and households. Federal, state, and local agencies maintain comprehensive databases that identify the location of facilities using large quantities of hazardous materials, as well as facilities generating hazardous waste. Some of these facilities use certain classes of hazardous materials that require risk management plans to protect surrounding land uses. The release of hazardous materials would be subject to existing federal, State, and local regulations and is similar to the transport, use, and disposal of hazard materials.

Regulatory Setting

The California Environmental Protection Agency (CalEPA) was established in 1991 to protect the environment. CalEPA oversees the Unified Program through Certified Unified Program Agencies (CUPAs), which consolidates six

(6) environmental programs to ensure the handling of hazardous waste and materials in California. The local CUPA in Fresno County, HazMat Compliance Program, oversees the following six (6) CUPA programs: [8]

- Hazardous Materials Business Plan (HMBP)
- California Accidental Release Program (CalARP)
- Underground Storage Tank Program (UST)
- Aboveground Storage Tank Program (APSA)
- Hazardous Waste Generator Program
- Tiered Permitting Program

The Department of Toxic Substances Control (DTSC) is another agency in California that regulates hazardous waste, conducts inspections, provide emergency response for hazardous materials-related emergencies, protect water resources from contamination, removing wastes, etc. DTSC acts under the authority of Resource Conservation and Recovery Act (RCRA) and California Health and Safety Code. The DTSC implements California Code of Regulations (CCR) Title 22 Division 4.5 to manage hazardous waste. Government Code *Section 65962.5* requires that DTSC shall compile and update at least annually a list of:

> *(1) All hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code ("HSC").*
>
> *(2) All land designated as hazardous waste property or border zone property pursuant to Article 11 (commencing with Section 25220) of Chapter 6.5 of Division 20 of the Health and Safety Code.*
>
> *(3) All information received by the Department of Toxic Substances Control pursuant to Section 25242 of the Health and Safety Code on hazardous waste disposals on public land.*
>
> *(4) All sites listed pursuant to Section 25356 of the Health and Safety Code.*
>
> *(5) All sites included in the Abandoned Site Assessment Program.*

This list of hazardous waste sites in California, referred to as the Cortese List, is then distributed to each city and county. According to the CCR Title 22, soils excavated from a site containing hazardous materials are considered hazardous waste, and remediation actions should be performed accordingly. Cleanup requirements are determined case-by-case by the jurisdiction.

Phase I Environmental Site Assessment

A Phase I Environmental Site Assessment (ESA) was performed at the Project site in accordance with the current Standards for Practice for Phase I ESA per the American Society for Testing and Materials (ASTM): E1527-21 guidelines. The respective analyses were conducted specifically for the residences and orchard located at 134, 342, and 402 N Madera Avenue. The Phase I ESA was performed by CREtelligent, in order to provide an indication whether hazardous materials and or soil contamination may be present on the Project site. The report (dated December 16, 2024) is attached as Appendix F. Results are incorporated herein.

[8]County of Fresno. HazMat Compliance: The Designated CUPA. Accessed on September 8, 2025, https://www.fresnocountyca.gov/Departments/Public-Health/Environmental-Health/HazMat-Compliance-The-Designated-CUPA

The ASTM E1527-21 defines recognized environmental conditions as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized as environmental conditions. De minimis conditions generally do not present a material risk of harm to public health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

ASTM E1527-21 defines recognized environmental conditions (RECs) 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." This assessment has revealed an REC present on the site due to the agricultural utilization of the subject property since at least 1946. A wide variety of pesticides, including those containing persistent compounds such as lead, arsenic, and DDT, along with related organochlorine and organophosphate pesticides, may have been used during this period. No information was obtained indicating evidence of improper storage, disposal, or application of these materials and a review of available aerial photographs did not show improvements such as hangars, runways, or large barns that would indicate significant storage, formulation, and handling of these materials. However, given the limited regulation of the storage and usage of these materials during a significant part of this period and the planned redevelopment for residential uses, the potential for accumulation of elevated levels of these persistent compounds is present and is considered to represent an REC.

ASTM E1527-21 defines controlled recognized environmental conditions (CRECs) as "a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitation or other property use limitations)." This assessment has revealed no evidence of CRECs in connection with the subject property.

ASTM E1527-21 defines historical recognized environmental conditions (HRECs) 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 (for example, activity and use limitations or other property use limitations)." This assessment has revealed no evidence of HRECs in connection with the subject property.

Given that the Subject Property has experienced several decades of agricultural use and the proposed residential development, CREtelligent recommends a Limited Subsurface Investigation (LSI) to determine if the agricultural use has impacted the Subject Property.

Record Search

The United States Environmental Protection Agency (EPA) Superfund National Priorities List (NPL)[9], California Department of Toxic Substance Control's EnviroStor database [10], and the State Water Resources Control Board's GeoTracker database [11] include hazardous release and contamination sites. A search of each database was conducted on September 8, 2025. The searches revealed no hazardous material release sites on the Project site. The closest hazardous site is the Kerman proposed elementary school and high school athletic facilities school investigation cleanup site located west of the Project site. The potential contaminants of concern are from past agricultural uses; however, no further action is required as of October 7, 2016, for this site.

General Plan

The General Plan include objectives and policies relevant to hazards and hazardous materials in its Public Health and Safety Element:

Goal PH-6 *To protect residents from exposure to hazardous materials and wastes.*

> ***Policy PH-6.1 Avoidance of Natural Resources Contamination.*** *The City shall require that uses generating hazardous materials and wastes do not contaminate air, water, or soil resources.*
>
> ***Policy PH-6.2 Location of New Hazardous Uses.*** *The City shall require that proposed activities and land uses that use, store, or dispose of hazardous materials or wastes be located in the industrial area in the southern portion of the city.*
>
> ***Policy PH-6.3 Emergency Preparedness Plan for New Projects with Hazardous Materials.*** *The City shall require new Projects that are using, producing, or generating hazardous materials, such as cold storage facilities, prepare an emergency preparedness plan.*
>
> ***Policy PH-6.4 Household Hazardous Waste Education.*** *The City shall support educational programs that inform the public about household hazardous waste and proper disposal methods.*
>
> ***Policy PH-6.5 Integrated Pest Management Practices.*** *The County shall encourage and support the use of Integrated Pest Management practices to reduce pesticide use and human health risks.*
>
> ***Policy PH-6.6 Notification of Pesticide Application.*** *The City will work to obtain notification of the application of restricted materials (pesticides applied by spray techniques) for areas inside or within the ¼ mile of the Kerman Planning Area.*

[9] United States Environmental Protection Agency. Superfund National Priorities List. Accessed September 8, 2025, https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd1b4c3a8b51d416956c41f1
[10]California Department of Toxic Substances Control. Envirostor. Accessed September 8, 2025, https://www.envirostor.dtsc.ca.gov/public/
[11] California State Water Resources Control Board. GeoTracker. Accessed September 8, 2025, https://geotracker.waterboards.ca.gov/

4.9.3 Impact Assessment

Would the Project:

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

Less than Significant Impact. The Project proposes residential development. The type of hazardous materials that would be associated with Project operations are those typical of residential uses such as cleaning supplies and HVAC equipment. Because of the proposed residential use, it is not expected that the Project would routinely transport, use, or dispose of hazardous materials other than those typical of residential uses and such materials would not be of the type of quantity that would pose a significant hazard to the public.

Some appliances and electronics used or stored by residents may contain hazardous components (e.g., refrigerants, oils, etc.); however, these hazardous components are regulated by the EPA under the Toxic Substances Control Act and Clean Air Act and transport of such components are regulated by the U.S. Department of Transportation, Office of Hazardous Materials Safety as implemented in California by Title 13 of the California Code of Regulations (CCR), California Building Code, and Uniform Fire Code, as adopted by the City. Through compliance with regulations, appliances and electronics associated with the Project are not expected to create a significant hazard to the public or the environment.

Potential impacts during construction of the Project could result from the use of fuels and lubricants for construction equipment. However, these impacts would be short-term and temporary, and would be reduced to less than significant levels through compliance with local, state, and federal regulations including but not limited to compliance with EPA's oil spills prevention and preparedness regulations, California Office of Emergency Services implementation of hazardous materials accident prevention, and California Department of Toxic Substance Control permitting, and regulations as administered by Fresno County, in addition to standard equipment operating practices as indicated in operator manuals. Therefore, the Project would have a less than significant impact.

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

Less than Significant Impact. As described under criterion a), it is not anticipated that the Project itself would involve any operations that would require routine transport, use, or disposal of hazardous materials and therefore is not anticipated to create a significant hazard to the public or the environment through release of hazardous materials, including any reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. While potential impacts would occur through construction-related transport and disposal of hazardous materials, such impacts would be short-term and temporary and would be reduced to less than significant levels through compliance with local, state, and federal regulations in addition to standard equipment operating practices as described under criterion a). Therefore, the Project would have a less than significant impact.

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

Less than Significant Impact. An elementary school is located west of the Project site. As described under criteria a) and b) above, the Project is not anticipated to emit hazard emissions or handle hazardous materials, substances, or water that would pose a risk or threat to the school or surrounding area. Impacts would be less than significant.

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?

Less than Significant with Mitigation Incorporated. According to NPL, EnviroStor, and GeoTracker, the Project site does not include any hazardous material release sites pursuant to Government Code *Section 65962.5*. The Phase 1 ESA found no evidence of CRECs and HRECs in connection with the subject property. The Phase 1 ESA did find that the potential for accumulation of persistent compounds present in pesticides that may have been used on the Subject Property is present and is considered to represent an REC. Additionally, the Phase I ESA has identified that, based on the date of construction, it is possible that Asbestos Containing Material (ACM) and Lead Based Paint (LBP) are present. ***Mitigation Measure HAZ-1***, ***HAZ-2***, and ***HAZ-3*** establish further assessment to ensure that impacts related to items of concern are reduced. As such, the Project would not create a significant hazard to the public or the environment with mitigation measures incorporated.

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

No Impact. The nearest public airport or public use airport is the Fresno-Chandler Executive Airport located approximately 13 miles east of the Project site. The Project site is not located within any land use plan or within two (2) miles of a public airport or public use airport. As such, the Project would not result in a safety hazard for people residing or working in the Project Area and no impact would occur.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact. The Project would not involve any new or altered infrastructure associated with evacuation, emergency response, and emergency access routes within the City of Kerman or County of Fresno. Construction may require lane closure; however, these activities would be short-term and access through North Madera Avenue would be maintained through standard traffic control. Following construction, this roadway would continue to provide access to the site. Furthermore, the Project would be subject to compliance with applicable standards for on-site emergency access including turn radii and fire access. Therefore, through compliance, the Project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan and impacts would be less than significant.

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

Less than Significant Impact. Development of the Project would increase paved areas, decreasing the probability of wildfires. In addition, the site is not identified by Cal Fire to be in a Moderate, High, or Very High Fire Hazard Severity Zone (FHSZ). Future development of the site would result in the construction of structures and installation of infrastructure that would be reviewed and conditioned by the City for compliance with all applicable standards, specifications, and codes. In addition, any structure occupied by humans would be required to be constructed in adherence to the Wildland Urban Interface Codes and Standards of the CBC Chapter 7A. Compliance with such regulations would ensure that the Project meets standards to help prevent loss, injury, or death involving wildland fires. For these reasons, the Project would have a less than significant impact.

4.9.4 Mitigation Measures

Mitigation Measure HAZ-1: *Asbestos Survey. Prior to the demolition or renovation of any existing structure on site, an Asbestos Survey shall be conducted to determine the quantity of asbestos-containing construction material to be removed in the Project. As regulated by National Emission Standards for Hazardous Air Pollutants (NESHAP), the inspection must be conducted by a Cal-OSHA Certified Asbestos Consultant (CAC). The Asbestos Survey report shall be submitted to the City Community Development Department for review and approval. Alternatively, if the developer is opting to treat all of the material as RACM and will notify as such, the survey may be bypassed.*

A completed and signed Asbestos Notification Form must be submitted to the San Joaquin Valley Air Pollution Control District (SJVAPCD) 10 working days prior to the commencement of any regulated asbestos (RACM) abatement. If it is determined that there are asbestos-containing materials or soils on site, the developer shall utilize specialists/professionals for asbestos removal/abatement to reduce potential health risks to construction workers. Demolition activities that would expose construction workers and/or the public to asbestos-containing materials shall be conducted in accordance with the applicable regulations, including, but not limited to:

- *San Joaquin Valley Air Pollution Control District*
- *California Health and Safety Code (Section 39650 et seq.)*
- *California Code of Regulations (Title 8, Section 1529)*
- *California Occupational Safety and Health Administration regulations (California Code of Regulations, Title 8, Section 1529 [Asbestos] and Section 1532.1 [Lead])*
- *Code of Federal Regulations (Title 40, Part 61 [asbestos], Title 40, Part 763 [asbestos], and Title 29, Part 1926 [asbestos and lead])*

Mitigation Measure HAZ-2: *Lead-Based Paint Inspection. Prior to the demolition of any existing structure on site, a lead-based paint inspection is required to determine whether the lead-based paint is present in or on the original building materials. The inspection shall be conducted on-site by a state-certified Lead Inspector or Assessor in accordance with the California Code of Regulations, Title 8, Section 1532.1. The investigation report shall be submitted to the City Community Development Department for review and approval prior to issuance of a demolition permit. If it is determined that lead-based paint exists on site, the project proponent shall utilize professionals for lead-based paint removal to reduce potential health risks to construction workers and/or the public. Pursuant Section 1532.1, construction workers must establish and implement a compliance program, and provide a written Pre-Job Notification to the nearest Division of Occupational Safety and Health Cal/OSHA office 24 hours before the start of a project.*

Mitigation Measure HAZ-3: *Test for Agricultural Pesticides. Prior to building permit approval for the first construction phase, a Limited Subsurface Investigation (LSI) shall be conducted to assess the surface soil of the project site for residual organochlorine and lead arsenate pesticides. The LSI shall be conducted in accordance with guidelines developed by the Department of Toxic Substances Control (DTSC) and Environmental Protection Agency (EPA) for site assessments. The LSI shall estimate the potential threat to public health and the environment if concentrations of pesticides are encountered using methods outlined in DTSC's Preliminary Endangerment Assessment Guidance Manual and DTSC's Screening Level Human Health Risk Assessment guidance for implementing screening level risk analysis. The LSI shall be submitted to the City Community Development Department for review and approval. If the testing reveals concentrations of organochlorine pesticides and lead arsenic above health-based screening levels for*

residential exposure, remediation of the site shall be required to address residual organochlorine and lead arsenate pesticides above health-based level of concern. Remediation may include excavation and disposal of impacted soil or capping elevated areas beneath paved areas. The Construction Contractor shall implement the recommendations outlined in the LSI.

4.10 HYDROLOGY AND WATER QUALITY

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

4.10.1 Project Components Analyzed

For purposes of this hydrology analysis, the "Project site" refers to the three parcels proposed for development under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), where impervious surfaces, grading, and stormwater infrastructure (temporary ponding basin) would be constructed. APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from site-specific drainage/erosion analysis; however, the full annexation area's consistency with City water supply (UWMP) and NKGSA Groundwater Sustainability Plan is evaluated for LAFCO review.

4.10.2 Environmental Setting

The Project proposes to be annexed into Kerman's city limits and would be required to connect to the city's water and stormwater services. The City's water and stormwater services are described as follows.

Water

The City's Public Works Department Water Division is responsible for the City's wells, distribution lines, water meters, and back-flow prevention systems. The 2020 Urban Water Management Plan (UWMP), adopted July 2022, analyzes data to ensure adequate urban water supplies for the future, promotes water conservation policies and programs, and provides mechanisms for response during water drought conditions. According to the 2020 UWMP, the City provides potable water services to approximately 16,016 residents, and 3,767 metered connections within its service area as of 2020. The UWMP projected a service population of 24,354 residents by 2045. The City owns and operates six (6) active wells to extract groundwater from the Kings Subbasin. These wells have individual capacities ranging from 900 gallons per minute (gpm) to 1,500 gpm, with a total of 6,700 gpm. [12]

The General Plan proposes a dual water system, including a primary system to provide potable water for domestic uses from deep wells and a secondary system that provides non-potable water for landscaping, industrial, and fire protection from surface water and/or shallow groundwater. The General Plan includes the following goals and policies in its Conservation, Open Space, and Recreation Element and Public Facilities and Services Element to promote water conservation, as listed below.

Goal COS-4 *To effectively manage water resources by adequately planning for the development, conservation, and protection of water resources for present and future generations.*

> ***Policy COS-4.3 Native and Drought-Tolerant Plants.*** *The City shall require the use of native and drought-tolerant plants for new landscaping in existing and future parks and street medians.*
>
> ***Policy COS-4.6 Water Use Efficiency for New Development.*** *The City shall encourage new development and majority retrofits of existing development to incorporate water conservation techniques. Such techniques include requiring low-flow plumbing fixtures in new construction that meet or exceed the California Plumbing Code, use of graywater for landscaping, retention of stormwater runoff for groundwater recharge,*

[12] City of Kerman. (2022). Final 2020 Urban Water Management Plan. Accessed September 8, 2025, https://cityofkerman.net/DocumentCenter/View/437/2020-UWMP-PDF

use of reclaimed water for outdoor irrigation (where available), and landscape water efficiency standards that meet or exceed the standards in the California Model Water Efficiency Landscape Ordinance.

Goal PFS-2 *To ensure a quality and reliable water supply to meet the needs of residents, businesses, and the agricultural industry.*

Policy PFS-2.1 Water, Sewer, and Storm Drainage Infrastructure. *The City shall continue to install and upgrade water, sewer, and storm drainage infrastructure to meet current and Projected growth demand, as well as current water quality standards.*

Policy PFS-2.4 Kerman Wastewater Treatment Plant. *The City should preclude the intrusion of any land uses that are incompatible with operation of the Kerman Waste Water Treatment Plant.*

Policy PFS-2.5 Pollutants from Water Run-off. *During the development review process, the City shall require new development to provide facilities and/or measures to reduce pollutants in water run-off prior to entering the city's stormwater collection system. Options could include bioswales and other best management practices currently available at time of development.*

Policy PFS-2.8 Groundwater Recharge. *The City shall support adequate groundwater recharge by developing storm ponding and retention basins where feasible. In some areas these ponds or basins can be incorporated into a recreational area or used as wildlife habitat area or may be required by new development to offset impacts associated with new nonpermeable surfaces.*

In addition, the City is subject to the Sustainable Groundwater Management Act (SGMA), which requires achieving groundwater sustainability (balancing pumping and recharge) by 2040. To meet its sustainability obligation under the North Kings Groundwater Sustainability Plan, the City must obtain a reliable surface water supply for dedicated groundwater recharge. The City lies within the Fresno Irrigation District (FID), which holds Kings River surface water rights and operates the necessary conveyance infrastructure. In May 2025, the City Council approved an agreement with FID under which FID will provide the City with a surface water supply equivalent to up to 0.5 percent of FID's net Kings River supply in each water year. Based on FID's average Kings River supply of approximately 430,000 acre-feet per year, this 0.5 percent allocation (about 2,150 acre-feet per year) is intended to meet the City's recharge obligation identified in the GSP.

Under the agreement, all surface water delivered by FID will be diverted to the City's existing and planned groundwater recharge basins and used solely for recharge; it may not be treated and used directly for municipal, industrial, or residential supply, except for limited landscape/irrigation use pumped from the basins with FID's consent. The amount of water actually available in any given year will vary with Kings River hydrology and FID's overall supply conditions, but the City's financial obligation is based on a fixed "equivalent acreage" of 1,075 acres at FID's standard water service rate in effect each year, and must be paid in full regardless of the volume delivered or taken. The agreement is not adjusted for future annexations or changes in the City's or NKGSA's recharge targets, and FID has no obligation to "make up" water not taken when offered. The agreement runs through December 31, 2040, and may be extended in five-year terms upon mutual approval, providing a long-term framework for surface water recharge that supports the City's SGMA compliance.

Stormwater

The City's Public Works Department Storm Water Management Division manages Kerman's storm drain system and monitors storm water quality. The City maintains stormwater facilities within existing rights-of-way. The City's stormwater system consists of a system of drains and ponding basins located throughout the City. The stormwater ponding basins consist of 11 percolation basins that provide groundwater recharge. Average annual precipitation in the Kerman area is 11 inches.

4.10.3 Impact Assessment

Would the Project:

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

Less than Significant Impact. The Project site would require grading, excavation, and loading activities associated with construction which could temporarily increase runoff, erosion, and sedimentation. Typical sources of potential construction-related stormwater pollution would be the handling, storage, and disposal of construction materials that contain pollutants, the maintenance and operation of construction equipment, and earth moving activities. The potential for construction-related stormwater pollution would be significantly minimized through preparation of the required SWPPP (Section 4.7) in compliance with the General Permit for Discharges of Storm Water Associated with Construction Activity. The SWPPP estimates the sediment risk associated with construction activities and includes best management practices (BMP) to control erosion. BMPs specific to erosion control cover erosion, sediment, tracking, and waste management controls. Implementation of the SWPPP minimizes the potential for the Project to result in substantial soil erosion or loss of topsoil. These provisions minimize the potential for the Project to violate any waste discharge requirements or otherwise substantially degrade surface or ground water quality. Further, runoff resulting from the Project would be managed by the Storm Water Management Division in compliance with the Storm Drainage Master Plan in addition to approved grading and drainage plans. Thus, compliance with existing regulations including the General Construction Permit, BMPs, and Storm Drainage Master Plan would ensure potential impacts related to water quality and waste discharge are less than significant.

b) 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 City's long-term water resource planning for existing and future demand is addressed in the City's 2020 Urban Water Management Plan (UWMP) and the North Kings Groundwater Sustainability Plan (NKGSA). The City's sole source of water supply is the underlying groundwater basin, Kings Subbasin. The City currently has six (6) wells throughout the community, with an existing well capacity range from 900 to 1,500 gallons per minute (gpm). The total combined capacity is approximately 6,700 gpm, 9.65 million gallons per day (MGD), and 3,522 million gallons per year (MGY).

As population and development within the City increases, the UWMP indicates that additional wells and storage tanks will be added to the water system to meet the growing demand. These increases are accounted for in the UWMP projections, which are based on the 2040 General Plan buildout. The annexation-only parcels (APNs 020-120-11, 17S) are proposed to be pre-zoned to zoning districts consistent with the General Plan (Table 2-2). No

General Plan Amendment is proposed and therefore, the annexation and pre-zoning align with the land use assumptions in the UWMP. Therefore, no new water demand beyond 2040 General Plan EIR analysis is expected.

For development under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), a General Plan Amendment is requested that would increase the amount of land designated MDR from ±29 acres to ±31 acres and decrease the land designated GC from ±24 to ±21. The proposed residential development would be consistent with the permitted density of the MDR land use (12 dwelling units per acre maximum). The additional ±2 acres could support a maximum of 24 additional residential units beyond prior assumptions.

Existing and future water demands for residential uses are shown in Table 4-13. As shown, the City anticipates 3,520 single-family residential users and 201 commercial connections in 2025. Water demand for both use types is expected to increase to 3,828 for single-family residential users and 219 for commercial connections by 2030. The residential portion of the Project is anticipated to be developed and operational prior to 2030. No development is proposed for the commercial portion at this time. Since the amount of potential residential development is increasing, there would be an additional impact to groundwater supplies that wasn't previously analyzed under the 2040 General Plan. Whether this impact would be significant is discussed below.

Table 4-13 City of Kerman Existing and Future Water Demands by Use Type

Use Type	2020	2025	2030
Single Family Residential	3,237 metered connections	3,520 connections	3,828 connections
Commercial	185 metered connections	201 connections	219 connections

The City's 5-year average per capita water use is 164 gallons per day (gpd). With an average household size of 3.44, the additional 24 units proposed could house approximately 83 residents and generate a demand of roughly 13,612 gpd (4.96 million gallons annually). The 2020 UWMP projects a City population growth from 16,016 in 2020 to 24,354 in 2045 (an average annual growth rate of 1.69%). Considering the existing population plus the potential 83 additional residents from the increase in MDR, the total would be 16,099. This leaves capacity for an additional 8,255 residents within the 2045 UWMP projection. Furthermore, pending residential projects (Whispering Falls - 174 units, Crown-Schaad - 163 units, and Del Norte–Estates - 300 units) could add another 2,191 residents. Even with these developments (total population of 18,290), the City would remain within the 2045 UWMP projected population of 24,354, with capacity for an additional 6,064 residents. Therefore, impacts would be less than significant.

Furthermore, adherence to connection requirements and recommendations pursuant to the City's water conservation efforts (e.g., compliance with California Plumbing Code, efficient appliances, efficient landscaping, etc.) should not negatively impact water supply or impede water management. In particular, the Project would be built accordance with all mandatory outdoor water use requirements as outlined in the applicable California Green Building Standards Code, Title 24, Part 11, Section 4.304 – Outdoor Water Use and verified through the building permit process. As a residential development that would contain landscaping pursuant to KMC regulations, the Project shall comply with the updated Model Water Efficient Landscape Ordinance (MWELO) (California Code of Regulations, Title 23, Chapter 2.7, Division 2), as implemented and enforced through the building permit process. Therefore, through compliance, the potential for the Project to substantially decrease groundwater supplies is limited and impacts would be less than significant.

In addition, development of the Project site would increase impervious surfaces which could increase stormwater runoff and increase groundwater recharge. According to the UWMP, the City maintains stormwater facilities within existing rights-of-way. The City's stormwater system consists of a system of drains and ponding basins located throughout the city. The stormwater ponding basins consist of 11 percolation basins that provide groundwater recharge.

As previously described, a temporary ponding basin is proposed on-site at the southeastern corner of the remainder parcel. The basin was sized to accommodate stormwater runoff from the site. Further, runoff resulting from the Project would be managed by the Storm Water Management Division in compliance with the Storm Drainage Master Plan in addition to approved grading and drainage plans. Thus, compliance would ensure potential impacts related to groundwater recharge are less than significant.

In addition, the City is a member of the NKGSA and is subject to the Kings Subbasin Groundwater Sustainability Plan, which requires achieving groundwater sustainability by 2040. To help meet its recharge obligation under the GSP, the City executed a 2025 agreement with FID under which FID will provide a dedicated surface water supply (up to 0.5 percent of FID's net Kings River supply, averaging approximately 2,150 acre-feet per year) to be delivered exclusively to the City's existing and planned groundwater recharge basins for recharge purposes. This surface water recharge program, together with the City's existing network of 11 percolation/ponding basins and on-site stormwater management (including the Project's proposed temporary retention basin), will continue to promote groundwater recharge and offset a substantial portion of municipal pumping. Because: (1) the Project's incremental groundwater demand remains within the UWMP and GSP planning assumptions; (2) the City has secured a long-term surface water supply explicitly dedicated to recharge; and (3) Project stormwater will be routed to basins designed for percolation consistent with the City's Storm Drainage Master Plan, the Project would not substantially decrease groundwater supplies or interfere with groundwater recharge in a way that would impede sustainable groundwater management of the basin. Therefore, impacts would be less than significant

Overall, based on the information collected from the UWMP and the City of Kerman, the proposed Project would not generate significantly greater water demand than would otherwise occur with higher intensity land use. As a result, it can be presumed that the existing and planned water distribution system and supplies should be adequate to serve the Project, and the Project would thereby not interfere substantially with groundwater recharge or impede sustainable groundwater management of the basin. In addition, adherence to connection requirements and recommendations pursuant to the City's water supply planning efforts (i.e., compliance with California Plumbing Code, efficient appliances, efficient landscaping, etc.) should not negatively impact the City's water provision. Lastly, compliance with approved grading and drainage plans would ensure impacts to groundwater recharge are less than significant. For these reasons, a less than significant impact would occur.

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?

Less than Significant Impact. Erosion is a natural process in which soil is moved from place to place by wind or from flowing water. The effects of erosion within the Project site can be accelerated by ground-disturbing activities associated with development. Siltation is the settling of sediment to the bed of a stream or lake which increases

the turbidity of water. Turbid water can have harmful effects to aquatic life by clogging fish gills, reducing spawning habitat, and suppressing aquatic vegetation growth.

Implementation of the proposed Project would result in the development of ruderal land that has undergone significant disturbance (i.e., annual discing, agricultural operations). Bare soils, common within agricultural land, is more susceptible to erosion than an already developed urban land, thus it is expected erosion could occur on-site. During construction activities, and in compliance with the Project's SWPPP, construction-related erosion controls and BMPs would be implemented to reduce potential impacts related to erosion and siltation. These BMPs would include, but are not limited to, covering and/or binding soil surfaces to prevent soil from being detached and transported by water or wind, and the use of barriers such as straw bales and sandbags to control sediment. Together, the controls and BMPs are intended to limit soil transportation and erosion and construction impacts related to on- and off-site improvements.

Development of the site would also result in an increase in the amount of impervious surface, which could increase the volume of runoff. However, the impervious surface area would significantly reduce the amount of exposed soil which would minimize the potential for erosion and siltation. In addition, the Project would be required to maintain the overall site drainage pattern in accordance with an approved grading and drainage plan. A temporary ponding basin will be constructed to the north of the residential development. The basin was sized to adequately accommodate stormwater runoff from the site. Therefore, compliance with requirements would reduce or eliminate the Project's potential to substantially alter the existing drainage pattern of the site as to cause substantial erosion or siltation and 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?*

Less than Significant Impact. During construction, the site's vegetation and soil would be disturbed, thereby temporarily altering the natural hydrology of the site. In turn, this could increase the volume and velocity of stormwater runoff which could increase the potential for flooding on- or off-site. As previously discussed, development of the site would require compliance with the SWPPP, approved grading and drainage plan, and implementation of BMPs that would control and direct runoff. Compliance would ensure that construction impacts related to the alteration of the site's natural hydrology and the potential increase in runoff that would result in flooding on- or off-site would be less than significant.

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?

Less than Significant Impact. Development of the site would disturb the site's vegetation and soil and temporarily alter the natural hydrology of the site. However, compliance with the SWPPP, approved grading and drainage plan, and implementation of BMPs that would control, and direct runoff would reduce construction impacts related to alteration of the site's natural hydrology and the potential increase in runoff or polluted runoff in excess of existing or planned stormwater drainage systems. Therefore, construction would not result in the creation or contribution of additional sources of runoff or polluted runoff in exceedance of the existing or planned stormwater drainage systems and impacts would be less than significant.

Regarding operational impacts, development of the site would result in an increase in the impervious surface area which would increase runoff from the site. However, compliance with the approved grading and drainage plans

would reduce the potential for the Project to cause substantial additional polluted runoff or runoff in excess of existing or planned stormwater drainage systems. A less than significant impact would occur.

iv. Impede or redirect flood flows?

Less than Significant Impact. Although the construction of the proposed Project would increase impervious surfaces, the Project would be required to maintain the site's drainage pattern through Project-specific grading and drainage plans that would be reviewed and approved by the City prior to the issuance of grading permits. Through compliance, the potential for the Project to impede or redirect flood flows would be minimized or eliminated and a less than significant impact would occur.

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

Less than Significant Impact. The Project site is designated as Zone X on the most recent Flood Insurance Rate Map (FIRM) No. 06019C2075H dated February 18, 2009 (see Figure 4-3). [13] Zone X is a flood hazard area with a 0.2 percent annual chance of flood hazard and one (1) precent annual chance flood with average depth less than one foot or with drainage areas of less than one (1) square mile. In addition, the Project site is not in a tsunami or seiche zone (i.e., standing waves on rivers, reservoirs, ponds, and lakes), therefore the risk of inundation is unlikely. For these reasons, the Project would have a less than significant impact.

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

Less than Significant Impact. The City of Kerman is a member of the North Kings Groundwater Sustainability Agency (NKGSA), which adopted a Groundwater Sustainability Plan (GSP) for the Kings Groundwater Subbasin on November 21, 2019, to achieve groundwater sustainability by 2040. The City's 2020 UWMP was prepared in coordination with NKGSA, FID, the County of Fresno, and the Kings Basin Water Authority to ensure consistency with the GSP's sustainability goals and implementation measures. In May 2025, the City Council approved an agreement with FID under which FID will provide the City with a dedicated surface water supply (up to 0.5 percent of FID's net Kings River supply, averaging approximately 2,150 acre-feet per year) to be delivered to the City's existing and planned recharge basins solely for groundwater recharge. This surface water recharge program is specifically intended to satisfy the City's groundwater recharge obligation under the GSP and support attainment of the 2040 sustainability target.

The proposed Project would rely on the City's integrated water supply and groundwater management framework, including the UWMP, GSP implementation, and the City-FID surface water recharge agreement, and would be required to comply with all applicable water conservation, well, and water quality regulations. The Project's groundwater demands would remain within the supply and management assumptions evaluated in the General Plan, Program EIR, and UWMP, and would not introduce new pumping or water quality conditions that would impede GSP implementation. The City does not have a single stand-alone water quality control plan, but water quality is managed through regular monitoring and reporting, municipal code provisions, and oversight by the Regional Water Quality Control Board, with which the Project must also comply. For these reasons, the Project

[13] FEMA. FEMA Flood Map Service Center. Accessed September 17, 2025, https://msc.fema.gov/portal/home

would not conflict with or obstruct implementation of a water quality control plan or the NKGSA GSP, and impacts would be less than significant.

4.10.4 Mitigation Measures

None required.

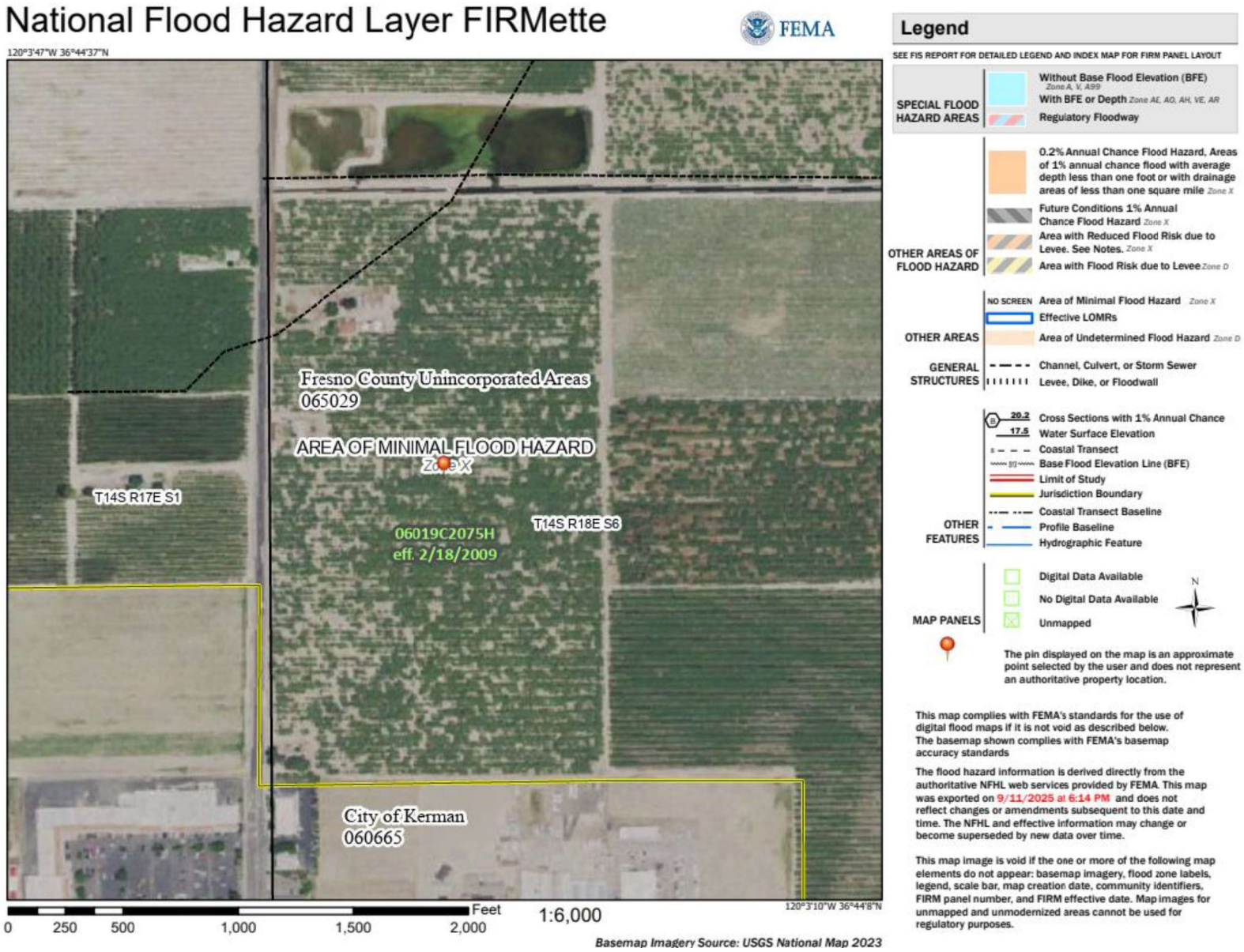


Figure 4-3 Flood Zone Map

4.11 LAND USE PLANNING

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

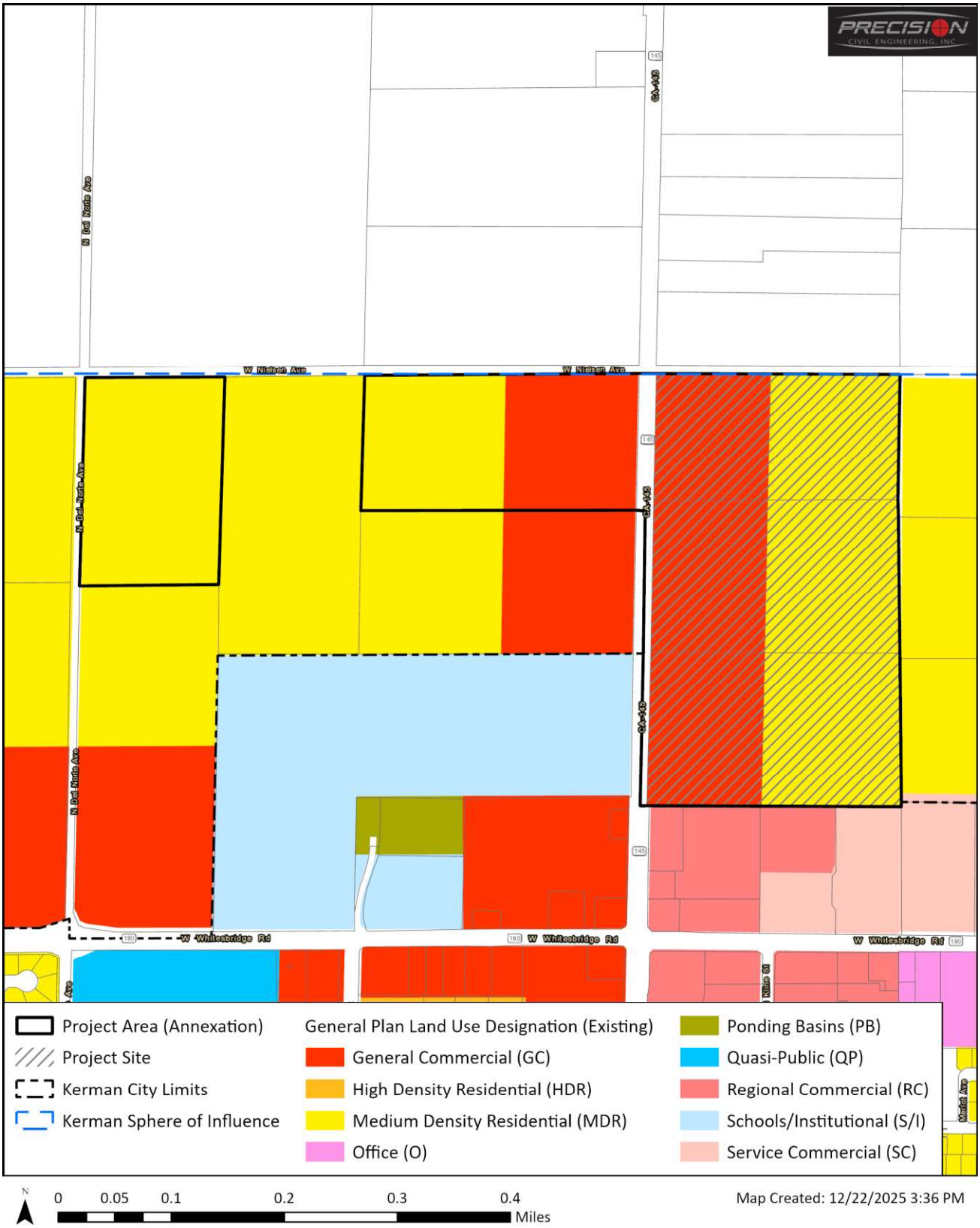
4.11.1 Project Components Analyzed

For purposes of this land use analysis, the "Project site" refers to the three parcels proposed for General Plan Amendment No. 2025-01, implementing rezone, and Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; ± 52 acres total), where land use designations would change from MDR, ±29 acres to ±31 acres, and GC, ±24 acres to ±21 acres. APNs 020-120-11 and 020-120-17S (annexation/pre-zone only; no development) receive no land use changes and remain consistent with existing General Plan designations.

4.11.2 Environmental Setting

The Project site is currently in the jurisdiction of the County of Fresno and in the City of Kerman Sphere of Influence. The site has a City of Kerman General Plan land use designation of MDR – Medium Density Residential (± 29 acres)

and GC – General Commercial (± 24 acres).



4.11.3 Impact Assessment

Would the Project:

a) Physically divide an established community?

No Impact. The physical division of an established community typically involves the construction of a barrier, such as a highway or railroad tracks, or the removal of a crucial access point, thereby impairing community connectivity. This Project, a single-family residential development on a vacant site, does not involve any such division. It will not construct a dividing feature, nor will it remove an essential access route. Instead, the Project would be designed in accordance with the General Plan, KMC, and other applicable standards to ensure a cohesive site and circulation plan that integrates with the surrounding community. Therefore, this Project would not physically divide an established community, and no impact would occur.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less than Significant Impact. The Project proposes to construct a single-family residential development with the approval of the associated annexation, general plan amendment, pre-zone/rezone, and tentative subdivision map. The Applicant requests General Plan Amendment No. 2025-01 to increase the MDR designated land from ± 29 acres to ± 31 acres and decrease GC designated land from ± 24 acres to ± 21 acres. The proposed amendment would also shift the GC designated land from the western portion of the site to the northern portion. The overall land use mix within the Project site (commercial and residential) remains, but the spatial arrangement and total acreage would be modified. The proposed rezone would result in ± 31 acres zoned SD-R-3.5 and ± 21 acres zoned GC, consistent with the proposed General Plan Amendment.

Generally, policy conflicts are environmental impacts when they would result in direct physical impacts or where those conflicts relate to avoiding or mitigating environmental impacts. As such, associated physical environmental impacts are discussed in this document under specific topical sections, such as Biological Resources, Cultural Resources, and Tribal Cultural Resources. A discussion of land use policies that are applicable to the Project are included in Table 4-14. As discussed below, the Project is generally consistent.

Further, through the entitlement process, the Project would be reviewed for compliance with applicable regulations inclusive of those adopted for the purpose of avoiding or mitigating environmental effects. Overall, the entitlement process would ensure that the Project complies with the General Plan, KMC, and any other applicable policies and regulations. As such, a less than significant impact would occur.

4.11.4 Mitigation Measures

None required.

Table 4-14 Discussion on Land Use Policies in the General Plan for Residential Development

General Plan Policy	Project Consistency
Policy LU-1.4 Limit Residential Development Along Highways. *The City shall limit residential development from fronting State Highway 145 and State Highway 180 to ensure public safety. Residential development along these facilities shall be designed and buffered to reduce noise and air pollutant impacts to the maximum extent reasonably feasible and consistent with CEQA review.*	**Consistent.** The proposed General Plan Amendment would shift the GC designated land from the western portion of the site, along State Highway 145, to the northern portion. The overall land use mix within the Project site (commercial and residential) remains, but the spatial arrangement and total acreage would be modified. With this amendment, the residential development would front State Highway 145. However, through the entitlement and environmental review, the City has considered the design of the development to reduce noise and air pollutant impacts to the maximum extent reasonably feasible. As discussed in Section 4.3. Air Quality and Section 4.13. Noise, impacts related to air quality and noise would be less than significant.
LU-1.6 Agricultural Buffers. *The City shall require non-agricultural land uses adjacent to active agricultural uses to incorporate adequate buffers (e.g., setbacks, fences) to protect public health and limit conflicts with adjoining agricultural operations and pesticide applications.*	**Consistent.** As referenced in Table 2-3, the Project site is surrounded by existing agricultural land the north, east, and west. The Project would be buffered from adjacent agricultural uses by existing roadways, adequate setbacks, and fencing in accordance with the KMC.
LU-3.2 Urban Form*. To maintain the City's compact form, the City shall maintain growth management controls by managing changes to the City's Sphere of Influence and incorporated City limits. Future changes to the City's Sphere of Influence will be managed by two growth lines, shown on Figure 3-2.)*	**Consistent.** The Project site is within the City's Sphere of Influence and requests to be annexed into incorporated City limits.
LU-3.3 Prevent Urban Sprawl. *The City shall direct new development to areas that are contiguous to existing or approved development and prevent sprawl development.*	**Consistent.** The Project site is continuous to existing or approved development and would not constitute sprawl.
CIRC-1.12 Residential Driveways. *During the development review process, the City shall strive to restrict residential driveways from entering onto collector and arterial streets.*	**Consistent.** The proposed residential lots would be internal to the Project site. Internal circulation would be provided throughout the site, with one point of access to Madera Avenue. Driveways and garages would be accessed from local streets that are internal to the site. No driveways directly access Madera Avenue.
HE-3.1 Preserving Neighborhood Character. *The City shall preserve the character, scale, and quality of established residential neighborhoods by protecting them from the encroachment of incompatible or potentially disruptive land uses and/or activities.*	**Consistent.** The Project site is already designated for residential use in the General Plan and would be developed as a residential community. The Project would not introduce incompatible or disruptive land use because its design and scale will be governed by the residential development standards in KMC. As part of the entitlement process, the Project would be required to comply with these standards, ensuring it maintains the character, scale, and quality of the neighborhood.

HE-6.1 Energy Conservation in New Housing. *The City shall encourage the use of energy conserving techniques in the siting and design of new housing.*	**Consistent.** The Project would be reviewed and conditioned to comply with Title 24 and other State energy conservation requirements for new residential construction, as verified through the building permit process.
HE-6.2 State Energy Conservation Requirements. *The City shall actively implement and enforce all State energy conservation requirements for new residential construction.*	

4.12 MINERAL RESOURCES

	Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				X
b)	Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

4.12.1 Project Components Analyzed

For purposes of this mineral resources analysis, the "Project site" refers to the three parcels proposed for development under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), as evaluated in the California Geological Survey (CGS) Mineral Land Classification (1997) and CalGEM Well Finder databases. APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and mineral resources review.

4.12.2 Environmental Setting

For the purposes of CEQA, mineral resources are land areas or deposits deemed significant by the California Department of Conservation (DOC). Mineral resources include oil, natural gas, and metallic and nonmetallic deposits, including aggregate resources.

California Geological Survey

The California Geological Survey (CGS) classifies and designates areas within California that contain or potentially contain significant mineral resources. Lands are classified into Aggregate and Mineral Resource Zones (MRZs), which identify known or inferred significant mineral resources. According to the California Department of Conservation, CGS's Surface Mining and Reclamation Act (SMARA) Mineral Lands Classification (MLC) data portal, the *Mineral Land Classification Map* in 1997 shows that the Project is not within a mineral resource zone. [14]

Oil/Gas Wells

The Geologic Energy Management Division's (CalGEM) online mapping application, Well Finder, presents California's oil and gas industry information, including the location of oil/gas wells, geothermal wells, gas/oil

[14] California Department of Conservation. (1997). Mineral Lands Classification. Accessed on August 25, 2025, https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=mlc

facilities (i.e., tank, vessel, sump), underground gas storage, as well as the boundaries of CalGEM-recognized oil/gas fields. According to Well Finder, the Project Site is not within a CalGEM-recognized oil/gas field. [15]

General Plan

According to the General Plan, the Kerman Planning Area, inclusive of the Project site, is not located in an area with mineral deposit significance and there are no active mining operations.

4.12.3 Impact Assessment

Would the Project:

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?

No Impact. There are no identified mineral deposits of significance or active mine operations on the Project site. Therefore, the Project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state. Therefore, no impact would occur.

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?

No Impact. There are no identified mineral deposits of significance or active mine operations on the Project site. As a result, the Project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state. Further, the site is not delineated in the General Plan, a Specific Plan, or other land use plan as a locally important mineral resource recovery site, thus it would not result in the loss of availability of a locally important mineral resource. Therefore, no impact would occur.

4.12.4 Mitigation Measures

None required.

[15] California Department of Conservation Geologic Energy Management Division. Well Finder. Accessed on August 5, 2025, https://maps.conservation.ca.gov/doggr/wellfinder/

4.13 NOISE

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

4.13.1 Project Components Analyzed

For purposes of this noise analysis, the "Project site" refers to the three parcels proposed for 183 single-family residential lots ("Harvest Estates") under Vesting Tentative Subdivision Map 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), as evaluated in the WJV Acoustics Acoustical Analysis (September 19, 2025; Appendix E). The ±21-acre commercial remainder parcel has no specific development proposed and is excluded from this analysis; future commercial development would require separate noise assessment. APNs 020-120-11 and 020-120-17S (annexation/pre-zone only) are also excluded.

4.13.2 Environmental Setting

An Acoustical Analysis of the Project was conducted by WJV Acoustics, Inc. (WJVA). The analysis was conducted specifically for the proposed residential development on the Project site (APNs 025-130-48, 025-130-47, and 025-130-60S). Future development of the commercially designated remainder may require additional assessment when development is proposed. The full report, dated September 19, 2025, is provided in Appendix E. A summary of the Acoustical Analysis is provided below.

Noise Exposure Criteria

The City of Kerman 2040 General Plan sets noise compatibility standards for transportation noise sources in terms of the Day-Night Average Level (L_{dn}). Implementing ***Policy PH-8.2*** of the Public Health and Safety Element establishes a land use compatibility criterion as 60 dB L_{dn} for exterior noise exposure within outdoor activity areas of residential

land uses. Outdoor activity areas generally include backyards of single-family residences, individual patios or decks of multi-family developments and common outdoor recreation areas of multi-family developments. The intent of the exterior noise level requirement is to provide an acceptable noise environment for outdoor activities and recreation.

Additionally, Implementing ***Policy PH-8.2*** of the Public Health and Safety Element requires that interior noise levels attributable to exterior transportation noise sources not exceed 45 dB L_{dn}. The intent of the interior noise level standard is to provide an acceptable noise environment for indoor communication and sleep.

The General Plan also provides exterior noise level standards for non-transportation (stationary) noise sources. The standards become more restrictive during the nighttime hours (10:00 p.m. to 7:00 a.m.). The stationary noise level standards are established in terms of the hourly average equivalent noise level (L_{eq}) and the maximum hourly noise level (L_{max}). Table 4-15 provides the applicable exterior noise level standards for stationary noise sources.

Table 4-15 Non-Transportation Noise Level Standards, dBA, Kerman

Daytime (7 am – 10 pm)		Nighttime (10 pm – 7 am)	
L_{eq}	L_{max}	L_{eq}	L_{max}
50	70	45	65

Source: *City of Kerman General Plan, Public Health and Safety Element*

Existing Background Noise Levels

The Project site is located east of N. Madera Avenue (SR 145). The Project site would be exposed to traffic noise associated with vehicles travelling along this roadway. Additional sources of noise in the project vicinity include agricultural activities and occasional aircraft overflights.

Measurements of existing ambient noise levels in the Project vicinity were conducted by WJVA. Long-term (i.e., 24-hour) ambient noise level measurements were conducted at two (2) locations: Sites LT-1 and LT-2. Site LT-1 was predominantly exposed to noise associated with traffic on N. Madera Avenue, as well as nearby agricultural activities. Site LT-2 was predominantly exposed to noise associated with nearby commercial/retail activities, agricultural activities, and distant traffic along W. Whitesbridge Road. Both ambient noise measurement sites were also exposed to periodic aircraft overflights. The locations of monitoring sites are provided in Appendix E.

Based upon the findings of the two long-term ambient noise measurements, project-site noise exposure along the project site's N. Madera Avenue roadway frontage exceeds the City of Kerman exterior noise level standard of 60 dB L_{dn}. However, noise exposure levels at other portions of the project site would not exceed the City's exterior noise level standard. The noise levels measured at the monitoring sites are provided in Appendix E.

Additionally, short-term (i.e., 15-minute) ambient noise level measurements were conducted at three (3) locations, Sites ST-1 through ST-3, to quantify ambient noise levels in the morning and afternoon hours. Table 4-16 summarizes short-term noise measurements. The data includes energy average (L_{eq}) maximum (L_{max}) as well as five (5) individual statistical parameters. Overall, sources of noise include traffic (all sites), aircraft (ST-1 and ST-3), agricultural activities (all sites), birds (ST-2), and dogs barking (ST-2). The locations of monitoring sites are provided in Appendix E.

Table 4-16 Summary of Short-Term Noise Measurement Data, Harvest Estates Subdivision Project Site

Site	Time	Leq	Lmax	L2	L8	L25	L50	L90	Sources
ST-1	8:05 am	66.1	82.0	72.0	65.2	56.6	52.0	47.1	TR, AG
ST-1	4:10 pm	65.6	78.0	73.2	68.4	57.1	53.3	46.0.	TR, AC
ST-2	8:25 am	57.1	72.8	59.0	53.4	51.9	50.7	48.2	TR, AG, B, D
ST-2	4:30 pm	56.6	71.4	57.2	53.8	52.0	51.5	49.8	TR, AG, D
ST-3	8:45 am	52.1	65.4	60.1	52.4	51.0	46.3	44.4	TR, AG,AC
ST-3	4:50 pm	49.6	63.7	59.6	51.2	50.4	45.4	42.7	TR
TR = Traffic, AC = Aircraft, AG = Agricultural Activities, C = Construction Activities, B = Birds, D = Barking Dogs, L = Landscaping Activities									

Source: *Acoustical Analysis conducted by WJVA*

General Plan

Appendix B of the City's General Plan describes project-specific review requirements that will be applied, as appropriate to the Project to reduce the adversity of potential environmental impacts. Applicable measures will be implemented through the Project's Conditions of Approval.

> ***Noise Topic D.*** *The following construction noise reduction measures shall be implemented, as feasible, for all projects within 500 feet of a noise-sensitive land use:*
>
> - *Demolition and construction activities shall be scheduled so as to avoid operating several pieces of equipment simultaneously.*
> - *All equipment, fixed or mobile, shall be operated with closed engine doors and shall be equipped with properly operating and maintained mufflers consistent with manufacturers' standards.*
> - *Noise-sensitive land uses shall be notified about the estimated duration and hours of construction activity at least 30 days before the start of construction with the exception of construction activities related to emergency work.*
> - *All construction areas for staging and warming up shall be located as far as possible from noise-sensitive receivers.*

Temporary sound barriers shall be erected between construction sites and sensitive receivers. Sound barriers shall be of sufficient height and length to block the line of sight between the construction site and sensitive receivers and shall be continuous with no gaps or holes between panels or the ground. Sound barriers shall be constructed of material with a weight of two pounds per square foot and shall have a minimum Sound Transmission Class (STC) rating of 28. Sound blankets may be used in place of temporary sound barriers; however, it must be demonstrated the sound blankets meet a STC rating of 28 and shall be of sufficient length to overlap each other and the ground surface.

4.13.3 Impact Assessment

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 in other applicable local, state, or federal standards?

Less than Significant Impact with Mitigation Incorporated. The Project site is located east of N. Madera Avenue (SR 145). The Project site would be exposed to traffic noise associated with vehicles travelling along this roadway. Additional sources of noise in the Project vicinity include agricultural activities and occasional aircraft overflights.

Traffic Noise Exposure

WJVA utilized the FHWA Traffic Noise Model to quantify expected Project-related increases in traffic noise exposure along roadways in the Project vicinity. Traffic noise exposure levels for existing, existing plus project, 2046 cumulative, and 2046 cumulative plus project traffic conditions were calculated based on the FHWA model and traffic volumes provided by the Project traffic engineer, VRPA Technologies, Inc.

Project-related significant impacts would occur if an increase in traffic noise associated with the Project would result in noise levels exceeding the City's applicable noise level standards at the location(s) of sensitive receptors. For the purpose of this analysis, a significant impact is also assumed to occur if traffic noise levels were to increase by 3 dB at sensitive receptor locations where noise levels already exceed the City's applicable noise level standards (without the Project), as 3 dB generally represents the threshold of perception in change for the human ear. This analysis of Project traffic noise focuses on residential land uses, as they represent the most restrictive noise level criteria by land use type provided in the General Plan.

The City's exterior noise level standard for residential land uses is 60 dB L_{dn}. Traffic noise was modeled at fourteen (14) receptor locations. The fourteen (14) modeled receptors are located at roadway setback distances representative of the sensitive receptors (residences) along each analyzed roadway segment. Project-related traffic for existing conditions, existing plus project, 2046 cumulative, and 2046 cumulative plus project traffic conditions would not result in noise levels at any sensitive receptors to exceed the City's noise level standard, nor result in an increase of 3 dB in any sensitive receptor locations where noise levels already exceed the City's noise level standard.

However, a noise impact could occur if the outdoor activity areas of proposed residential land uses are located within the 60 dB Ldn traffic noise contour. According to the project site plan, the closest proposed residential backyards to the centerline of N. Madera Avenue (SR 145) would be at a setback of approximately 70 feet. At this distance, traffic noise exposure would be approximately 65 dB L_{dn}. Such levels exceed the City of Kerman exterior noise level standard of 60 dB L_{dn}, and mitigation measures are therefore required for project noise compliance.

Based upon the above-described assumptions and method of analysis and assumed locations of the closest possible residential land uses to these roadways, it was determined that a soundwall, constructed to a minimum height of 6 feet above project site grade, would reduce traffic noise exposure by approximately 6 dB, with a resulting exterior noise exposure level of 59 dB L_{dn} at the closest proposed residential lots to N. Madera Avenue (SR 145). Therefore, to reduce impacts, the Project shall incorporate ***Mitigation Measure NOI-1***.

Interior Noise Exposure

The City of Kerman interior noise level standard is 45 dB Ldn. The worst-case noise exposure within the proposed residential development would be approximately 60 dB L_{dn} at first-floor receiver locations and approximately 65 dB L_{dn} at second-floor receiver locations, for the proposed lots adjacent to N. Madera Avenue (SR 145). This means that the proposed residential construction must be capable of providing a minimum outdoor-to-indoor noise level reduction (NLR) of approximately 20 dB (65-45=20).

A specific analysis of interior noise levels was not performed. However, it may be assumed that residential construction methods complying with current building code requirements will reduce exterior noise levels by approximately 25 dB if windows and doors are closed. This will be sufficient for compliance with the City's 45 dB L_{dn} interior standard at all proposed lots.

Construction Noise and Vibration Exposure

Construction noise would occur at various locations within the Project site through the buildout period. There are no sensitive receptors located in the immediate vicinity of the overall Project site. Table 4-17 provides typical construction-related noise levels at distances of 50, 100 feet, 200 feet, and 300 feet. Construction noise is not considered to be a significant impact if construction is limited to the allowed hours and construction equipment is adequately maintained and muffled. The City limits the hours of construction activities to between 7:00 am and 10:00 pm. A noise impact could occur if construction activities were to occur outside these hours, or if equipment was not adequately maintained and muffled. Therefore, the Project shall incorporate ***Mitigation Measure NOI-2*** to reduce impacts to less than significant levels. With mitigation incorporated, impacts would be less than significant.

Table 4-17 Typical Construction Equipment Maximum Noise Levels, dBA

Type of Equipment	50 ft.	100 ft.	200 ft.	300 ft.
Concrete Saw	90	84	78	74
Crane	81	75	69	65
Excavator	81	75	69	65
Front End Loader	79	73	67	63
Jackhammer	89	83	77	73
Paver	77	71	65	61
Pneumatic Tools	85	79	73	69
Dozer	82	76	70	66
Rollers	80	74	68	64
Trucks	86	80	72	70
Pumps	80	74	68	64
Scrapers	87	81	75	71
Portable Generators	80	74	68	64
Backhoe	86	80	74	70
Grader	86	80	74	70

Source*: FHWA, Noise Control for Buildings and Manufacturing Plants*, Bolt, Beranek & Newman, 1987

b) Generation of excessive groundborne vibration or groundborne noise levels?

Less than Significant Impact. Groudborne vibration refers to the oscillatory motion of the ground caused by dynamic forces. Groundborne noise originates from vibrations that travel through the ground and into buildings where they cause surfaces to vibrate and radiate sound waves. The dominant sources of man-made vibration are sonic booms, blasting, pile driving, pavement breaking, demolition, diesel locomotives, and rail-car coupling. None of these activities are anticipated to occur with construction or operation of the proposed Project. Vibration from construction activities could be detected at the closest sensitive land uses, especially during movements by heavy equipment or loaded trucks and during some paving activities. Typical vibration levels at distances of 25, 100 feet and 300 feet are summarized by Table 4-18. These levels would not be expected to exceed any significant threshold levels for annoyance or damage, as provided above and impacts would be less than significant.

Table 4-18 Typical Vibration Levels During Construction

Equipment	PPV (in/sec)		
	At 25 ft.	At 100 ft.	At 300 ft.
Bulldozer (Large)	0.089	0.019	0.006
Bulldozer (Small)	0.003	0.0006	0.0002
Loaded Truck	0.076	0.017	0.005

Jackhammer	0.035	0.008	0.002
Vibratory Roller	0.210	0.046	0.013
Caisson Drilling	0.089	0.019	0.006

***Source**: Caltrans*

After full Project build out, it is not expected that ongoing operational activities will result in any vibration impacts, including groundborne vibration or groundborne noise at nearby sensitive uses. Activities involved in trash bin collection could result in minor on-site vibrations as the bin is placed back onto the ground. Such vibrations would not be expected to be felt at off-site sensitive uses. Impacts would be less than significant.

c) 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 expose people residing or working in the Project area to excessive noise levels?

No Impact. The nearest public airport or public use airport is the Fresno-Chandler Executive Airport located approximately 13 miles east of the Project site. The Project site is not located within any land use plan or within two (2) miles of a public airport or public use airport. As such, the Project would not result in exposing people residing or working in the Project area to excessive noise levels. Therefore, there would be no impact.

4.13.4 Mitigation Measures

Mitigation Measure NOI-1: *To ensure that exterior noise levels at future residential land uses within the project site do not exceed an L_{dn} of 60 dB due to transportation noise from adjacent roadways (N. Madera Avenue), a continuous, solid sound wall with a minimum height of six (6) feet above the finished project site grade shall be constructed along the project boundary adjacent to the applicable roadway(s). This shall be demonstrated through the project's site, grading, landscape, building, and other required plans and are subject to review and approval by the City of Kerman Community Development Department prior to issuance of building permits. Prior to issuance of occupancy for any noise-sensitive land uses located within the identified noise contours, the project proponent shall submit verification that confirms the as-built height and location of any constructed sound walls.*

Mitigation Measure NOI-2: *The following mitigation measures and best management practices shall be applied during periods of project construction. Prior to issuance of permits for all project phases, the project proponent shall include these measures and best management practices on the construction plans submitted to the City of Kerman Community Development Department. The Community Development Department shall verify that these measures and best management practices are included in the construction plans prior to approval of building permits.*

- ***Adherence to City Ordinance:*** *Construction activities are strictly prohibited outside the hours of 7:00 am and 10:00 pm, as mandated by the City of Kerman Municipal Code. Any work outside these hours requires prior written approval from the City of Kerman's Community Development Department, demonstrating necessity and implementation of enhanced noise mitigation measures.*
- ***Equipment Maintenance and Muffling:*** *All construction equipment shall be maintained in proper working order with effective muffling devices that meet or exceed manufacturer specifications for noise reduction. Documentation of equipment maintenance, including muffler checks, shall be kept on-site and made available for inspection. During inspections by the City, non-compliant equipment shall be tagged and prohibited from use until proper maintenance or muffling is implemented and verified by the City.*

- ***Idling Reduction:*** *Noise-producing equipment shall not be left operating, running, or idling when not actively in use by construction personnel. Operators shall be instructed and regularly reminded to turn off equipment during periods of inactivity. This requirement shall be included in contractor agreements.*
- ***Distance from Sensitive Receptors:*** *Noise-producing construction equipment shall be strategically located and operated as far as feasible from noise-sensitive land uses (e.g., residences, schools, hospitals, parks). Site plans submitted with the construction documents shall identify noise-sensitive areas and demonstrate how equipment placement maximizes distance. The City's review of the construction site plan will assess the proposed equipment locations relative to sensitive receptors. Any significant deviations during construction will require justification and potential relocation of equipment as directed by the City.*
- ***Staging Area Location:*** *Construction staging areas, where equipment and materials are stored and where less intensive activities may occur, shall be located at the maximum possible distance from noise-sensitive land uses. The location of staging areas shall be clearly indicated on the construction site plan. The approved site plan will dictate the permissible locations for staging areas. Any unauthorized staging in closer proximity to sensitive receptors will require immediate relocation.*
- ***Construction Hours Signage:*** *Clearly visible signs, in both English and Spanish, shall be posted at all construction site entrances and near adjacent sensitive receptors. These signs shall prominently display the permitted hours of construction activities and provide the name and contact phone number of a designated noise disturbance coordinator responsible for addressing noise complaints. The presence and legibility of these signs will be verified during initial site inspections and monitored throughout the construction period. Missing or inadequate signage will require immediate replacement. The contact information for the noise coordinator shall be provided to the City prior to the commencement of construction.*

4.14 POPULATION AND HOUSING

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

4.14.1 Project Components Analyzed

For purposes of this population and housing analysis, the "Project" refers to the proposed development of 183 single-family residential lots ("Harvest Estates") under Vesting Tentative Subdivision Map No. 2025-01 on portions of APNs 025-130-48, 025-130-47, and 025-130-60S. The ±21-acre commercial remainder parcel (no housing proposed) and APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development) contribute zero housing units to this analysis.

4.14.2 Environmental Setting

CEQA Guidelines Section 15126.2(d) requires that a CEQA document discusses the ways in which the proposed Project could foster economic or population growth, or the construction of additional housing, either directly or indirectly, in the surrounding environment. The CEQA Guidelines provide an example of a major expansion of a wastewater treatment plant that may allow for more construction within the service area.

The CEQA Guidelines also note that the evaluation of growth inducement should consider the characteristics of a Project that may encourage or facilitate other activities that could significantly affect the environment. Direct and Indirect Growth Inducement consists of activities that directly facilitate population growth, such as construction of new dwelling units. A key consideration in evaluating growth inducement is whether the activity in question constitutes “planned growth.”

General Plan

Development associated with the General Plan could accommodate an estimated 4,170 new residents and 1,500 new households in the City. With the estimated growth, Kerman would have a 2040 population of approximately 19,650 and 5,715 households.

U.S. Census Bureau

According to the U.S. Census Bureau American Community Survey, 5-Year Estimates (2019-2023), the city's population is 16,492, with 4,796 total households, and an average household size of 3.44.

4.14.3 Impact Assessment

Would the Project:

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)?

Less than Significant Impact. The Project's contribution to population and housing is within the City's long-term growth projections. Based on an average household size of 3.44, the proposed 183 single-family lots are projected to add approximately 629 new residents to the city's current population. These new housing units would be a part of the 1,500 additional units the General Plan projects by 2040, which are needed to accommodate the anticipated population at buildout. The proposed Project's contribution is therefore a planned component of the City's long-term growth strategy. The Project would also include off-site improvements (e.g., curb, gutter, sidewalk) and connections to existing utilities (e.g., water, sewer, power, stormwater drainage) in accordance with utility master plans to serve planned growth. These improvements are limited in scope and would connect to and improve the existing street and utility network. No further extension of roads or other infrastructure that could cause unplanned population growth would occur. Impacts would be less than significant.

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

Less than Significant Impact. The Project would remove three (3) existing single-family residences. However, it would also construct 183-185 new single-family homes, resulting in a net gain of 180-182 housing units. The Project will not displace a substantial number of people or housing and, therefore, would not necessitate the construction of replacement housing. Impacts would be less than significant.

4.14.4 Mitigation Measures

None required.

4.15 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?			X	
ii. Police protection?			X	
iii. Schools?			X	
iv. Parks?			X	
v. Other public facilities?			X	

4.15.1 Project Components Analyzed

For purposes of this public services analysis, the "Project site" refers to the three parcels proposed for 183 single-family residential lots ("Harvest Estates") under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), which would generate demand for fire, police, schools, and parks. The ±21-acre commercial remainder parcel (no development proposed) and APNs 020-120-11 and 020-120-17S (annexation/pre-zone only) contribute minimal service demand without development proposed and are excluded from this analysis; future development would be subject to separate review.

4.15.2 Environmental Setting

The Project site would be annexed into Kerman city limits and thus, would be subject to fees for the construction, acquisition, and improvements for public services and facilities provided by the City. Public services and facilities are further described below.

Fire Protection Services

Fire protection services in the City are provided by the North Central Fire Protection District ("District"). The District, formed on July 31, 1947, currently operates a total of six (6) fire stations and one (1) headquarters, serving over 320 square miles and a population of 50,000, including unincorporated areas along the northern and western borders of the City of Fresno, the incorporated City of Kerman, and the township of Biola. Fire Station 55, located at 15850 W Kearney Blvd, Kerman, CA 93630, serves the City of Kerman and its surrounding unincorporated areas. The station is equipped with Engine No. 55, staffed by a minimum of four (4) firefighters, Truck No. 55, a 105-foot

ladder truck with 400-gallon capacity, and Water Tender No. 55, which holds up to 3,000 gallons of water. [16] The District reviews all building permits and subdivision maps to ensure the adequate location of access and fire suppression equipment, as well as conducting fire protection system inspections of new construction and routine fire and life safety inspections of existing buildings.

General Plan

The General Plan Public Health and Safety Element includes the following goals and policies to reduce the potential for fire hazards and fire demand:

Policy PH-2.1 Adequate Staffing and Equipment. *The City shall coordinate with the North Central Fire District through the site plan review process and the State's environmental review process to ensure that future development does not outpace the expansion of the North Central Fire District staffing, and the development of strategically located and fully equipped fire stations.*

Policy PH-2.2 Adequate Water Supply for Fire Suppression. *The City shall require new Projects to have adequate water supplies to meet the fire-suppression needs of the Project without compromising existing fire suppression services to existing uses.*

Policy PH-2.3 North Central Fire District Capital Improvement Plan. *The City shall encourage North Central Fire District to establish a 20-year Capital Improvement Plan that includes increased service capacity in Kerman, including a fire ladder truck and fire station.*

Policy PH-2.4 Fire Prevention Education. *The City shall continue to coordinate with North Central Fire District in providing education on fire prevention training to City staff, residents, and business owners.*

Police Protection Services

Police protection services in the city are provided by the Kerman Police Department (KPD). The KPD is located at 850 South Madera Avenue, Kerman, CA 93630, which is approximately 1.3 miles south of the Project site. The KPD is staffed with 20 full-time officers.

General Plan

The General Plan identifies the following policies to provide effective and responsive police protection.

Policy PH-1.1 Police Officer Ratio. *The City shall strive to achieve a ratio of one officer per 700 citizens to ensure adequate staffing to provide law enforcement services.*

Policy PH-1.2 Police Department Response Times. *The City shall continue to support the Police Department in maintaining prompt response times.*

Policy PH-1.3 Community Crime Prevention and Public Safety. *The City shall actively involve the community in crime prevention and public safety awareness by educating and involving the public in all the tenets of community-oriented public safety.*

[16] North Central Fire Protection District. Fire Station 55 Kerman. Accessed on August 25, 2025, https://www.northcentralfire.org/fire-station-55-kerman

Policy PH-1.4 Video Policing Plan for New Projects. *The City shall require large residential developments (50 or more units) and large commercial developments (more than 50,000 square feet) to include a video policing plan.*

Schools

Educational services within the City are primarily served by the Kerman Unified School District (KUSD), which was formed in 2002, after merging the smaller districts in the area. KUSD's service area includes the City of Kerman and spans as far north to the San Joquin River and south to West South Avenue. KUSD consists of approximately 5,600 students with nine (9) campuses: Goldenrod Elementary School, Kerman-Floyd Elementary School, Liberty Elementary School, Sun Empire Elementary School, Harvest Elementary School, Kerman Middle School, Kerman High School, and Enterprise High School (alternative education programs), and Kerman Unified Online School. [17] Schools within a one (1)-mile radius of the Protect site include Harvest Elementary School (adjacent southwest of the Project), Kerman High School (0.5 miles south), Kerman Middle School (0.9 miles south), and Kerman-Floyd Elementary School (1.0 mile southeast).

Funding for schools and school facilities impacts is outlined in Education Code *Section 17620* and Government Code *Section 65995 et. seq.* (State statutes) which govern the amount of fees that can be levied against new development. These fees are used to construct new or expanded school facilities. Payment of fees authorized by the statute is deemed "full and complete mitigation." A School Facilities Fee would be assessed for future development based on the rates in place at the time payment is due.

General Plan

In addition, the Kerman General Plan includes the following policy for educational facilities:

Policy PFS-1.6 Educational Facilities and Programs. *The City shall continue supporting the provision of excellent schools and high-quality educational and vocational training facilities and programs to ensure residents have fair and equal access to social and educational opportunities.*

Parks and Recreation

Park and recreation facilities are overseen by the City of Kerman Parks and Recreation Department. Currently, there are approximately 50 acres of parkland, including fourteen (14) City parks: Sunset Playground, Vineland Playground, Plaza Veterans Park, B Street Park, Wooten Park, Kiwanis Park, Katey's Kids Park, Trini's Park, Rotary Park, Lions Park, Kerckhoff Park, Soroptimist Park, Northwest Park, and Philip Gallegos Play Park. Construction is also underway on Hart Ranch Park, which will add approximately 15 acres of parkland. In addition, the City has acquired approximately 56 acres of land for future park development.[18]

General Plan

The General Plan Conservation, Open Space, and Recreation Element includes the following goals and policies related to park and recreational facilities and services:

[17] Kerman Unified School District. About Us. Accessed on August 25, 2025, https://www.kermanusd.com/
[18] City of Kerman. Parks. Accessed on August 25, 2025, https://cityofkerman.net/284/Parks-Facilities

Policy COS-2.1 Parkland Standard. *The City shall continue to acquire and develop adequate park sites to serve future City growth at a standard of 4 acres of combined park and open space land per 1,000 residents.*

Policy COS-2.2 Parkland Dedication. *The City shall continue to require developers to dedicate parkland or pay in-lieu fees.*

Policy COS-2.9 Parks and Open Space Funding. *The City shall continue to pursue a combination of public and private funds, regulatory processes, and innovative strategies to fund parkland development and maintenance.*

Policy COS-2.11 Land and Monetary Donations for Parks. *The City shall continue to seek land and monetary donations towards park facilities. The City may announce and recognize these efforts in recreation schedules, publications, plaques, notices, or other appropriate methods.*

Policy COS-2.12 Private Recreational Facilities. *The City shall encourage the development of private recreational facilities to increase the availability of local recreational amenities such as racquetball, mini-golf, softball, and rock climbing.*

Policy COS-2.13 City Recreation Programs. *The City will continue to offer recreational programs designed to serve all ages and abilities within the community with the goal of enhancing health outcomes and overall quality of life for all residents.*

4.15.3 Impact Assessment

Would the Project:

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

i. Fire protection?

Less than Significant Impact. The Project site is currently served by the North Central Fire Protection District and would continue to be served by the District after annexation into Kerman City limits. Fire Station No. 55 is approximately one (1) mile southwest of the site. The Project's proximity to the existing fire station would support adequate service ratios, response times, and other performance objectives for fire protection services. Additionally, through the entitlement and building permit process, the Project would be required to comply with the CBC and Uniform Fire Code to ensure fire safety elements are incorporated into Project design. Proposed interior streets would be required to provide appropriate widths and turning radii to safely accommodate emergency response and the transport of emergency/public safety vehicles. The Project would also be designed to meet District requirements regarding water flow, water storage requirements, hydrant spacing, infrastructure sizing, and emergency access. Through compliance, impacts would be less than significant.

ii. Police protection?

Less than Significant Impact. Once annexed into Kerman City limits, the Project site would be served by the Kerman Police Department (KPD). The KPD is located at 850 South Madera Avenue, Kerman, CA 93630, which is approximately 1.2 miles south of the Project Area. The Project's proximity to the existing station would support adequate service ratios, response times, and other performance objectives for police protection services. For these

reasons, it can be determined that the Project would not result in the need for new or altered facilities that could have an environmental impact and a less than significant impact would occur.

iii. Schools?

Less than Significant Impact. The Project site is within the Kerman Unified School District (KUSD) with four (4) schools within a one-mile radius including Harvest Elementary School (adjacent southwest of the Project), Kerman High School (0.5 miles south), Kerman Middle School (0.9 miles south), and Kerman-Floyd Elementary School (1.0 miles southeast). Since residential development is proposed, the Project would introduce residents to the area and therefore could generate new students that would increase the school districts' enrollment. KUSD's per-unit enrollment rate is 0.963 students per dwelling. Therefore, the 183-185-lot single-family development could generate approximately 176-178 students. To offset impacts of the development, a School Impact Fee would be assessed for the Project based on the rates in place at the time payment is due. As stated in Government Code Section 65995 *et seq*., payment of a school impact fee is deemed full and complete mitigation for potential impacts to schools caused by development. Therefore, payment of the assessed impact fee would reduce impacts related to new school facilities resulting from implementation of the Project and impacts would be less than significant.

iv. Parks?

Less than Significant Impact. Park and recreational facilities are typically impacted by an increase in use from residential development. The Project proposes residential development that would introduce residents to the area and therefore could increase the demand for and use of existing public parks or other recreational facilities. The City aims to maintain a standard of 4 acres of combined park and open space land per 1,000 residents (General Plan *Policy COS-2.1*). The Project proposes approximately 1.02 acres of parkland and paseos within the residential subdivision. The Project would also be required to pay in-lieu fees to mitigate any potential impacts to the City's park and recreation facilities generated by the incremental population increase. The provision of park and open space and payment of in-lieu fees would reduce any impacts resulting from increased residential demand for park and recreational facilities so as to not cause substantial physical deterioration of the public facilities. For these reasons, the Project would have a less than significant impact.

v. Other public facilities?

Less than Significant Impact. The Project would introduce new residents to the area, which could incrementally increase demand for various public facilities such as courts, libraries, and hospitals. However, the Project's contribution to this increased demand is not expected to result in a substantial need for new or physically altered public facilities. The City and surrounding region are served by existing courts, libraries, and hospitals. These facilities are designed to accommodate a certain level of population growth, and the Project's contribution to that growth is relatively small in the context of the overall service area. While the Project would add new residents, the increase in demand for these public services is expected to be incremental and within the capacity of existing facilities. The Project's impact on these services would be dispersed among the broader population served by these facilities. If such facilities are proposed for future expansion, the expansion would be subject to CEQA and further environmental review. The Project may also contribute impact fees that support the provision of public services, helping to ensure that service levels are maintained as the City grows. Impacts would be less than significant.

4.15.4 Mitigation Measures

None required.

4.16 RECREATION

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

4.16.1 Project Components Analyzed

For purposes of this recreation analysis, the "Project site" refers to the three parcels proposed for 183 single-family residential lots ("Harvest Estates") under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), which would generate park demand and dedicate 1.22 acres of on-site parkland/paseos. The ±21-acre commercial remainder parcel and APNs 020-120-11 and 020-120-17S (annexation/pre-zone only) contribute zero park demand/dedication and are excluded from this analysis.

4.16.2 Environmental Setting

See Section 4.15. Public Services.

4.16.3 Impact Assessment

Would the Project:

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?

Less than Significant Impact. Park and recreational facilities are typically impacted by an increase in use from residential development. The Project proposes residential development that would introduce residents to the area and therefore could increase the demand for and use of existing public parks or other recreational facilities. The City's parkland standard is four (4) acres of combined park and open space per 1,000 residents (General Plan *Policy COS-2.1*). The City also requires developers to dedicate parkland or pay in-lieu fees (General Plan *Policy COS-2.1*) to mitigate any potential impacts to the City's parks and other recreational facilities. The combination of land and payment of in-lieu fees would reduce any impacts from increased demand for park and recreational facilities to not cause substantial physical deterioration of the public facilities. Impacts would be less than significant.

b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?

Less than Significant Impact. The Project proposes approximately 1.22 acres of parkland and paseos within the residential subdivision. The Project would not require the construction or expansion of off-site recreational facilities. As a result, a less than significant impact would occur.

4.16.4 Mitigation Measures

None required.

4.17 TRANSPORTATION

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

4.17.1 Project Components Analyzed

For purposes of this transportation analysis, the "Project site" refers to the three parcels proposed for 183 single-family residential lots ("Harvest Estates") under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), as evaluated in the VRPA Technologies Traffic Impact Study and Fresno COG VMT Screening. The ±21-acre commercial remainder parcel has no specific development/Traffic Study and is excluded from this VMT/LOS analysis; future commercial development would require separate project-specific entitlements and transportation review. Without development proposed, APNs 020-120-11 and 020-120-17S (annexation/pre-zone only) contribute minimal VMT and are excluded.

4.17.2 Environmental Setting

The Project site is located on the east side of North Madera Avenue (State Route 145), between West Whitesbridge Road (State Route 180) to the south and West Nielsen Avenue to the north. North Madera Avenue along the western boundary of the site is a north-south, two-lane road that has not been developed to the ultimate right-of-way; there are no existing street improvements such as curb, gutter, sidewalks, or streetlights.

Fresno County Active Transportation Plan (ATP)

Fresno Council of Governments (FCOG) adopted the Fresno County Regional Active Transportation Plan (ATP) on May 30, 2024. [19] The ATP's goal is to create a safe, attractive, complete, and comfortable network for biking, walking, and other human-powered transportation. *Chapter 9* of the ATP provides a community profile, goals, and policies for the City of Kerman. According to the ATP, there are no existing walking or bicycle facilities in the vicinity

[19] Fresno Council of Governments. (2024). 2024 Fresno County Regional Active Transportation Plan. Accessed August 25, 2025, https://www.fresnocog.org/Project/active-transportation/

of the Project site. However, a Class II Bike Lane is planned for North Madera Avenue along the Project site frontage. This is consistent with the planned bicycle facilities identified in the City of Kerman 2040 General Plan Update Circulation Element.

General Plan

The Circulation Element of the Kerman General Plan established goals and policies to maintain the operations of existing roadway systems as new development occurs. These policies aim to prevent negative impacts caused by new developments and ensure that adequate transportation system is provided. The following goals and policies are generally applicable to the proposed Project.

Goal CIRC-1.1 *To provide a safe and efficient roadway system that serves all users and enhances the community of Kerman.*

Policy CIRC-1.2 Complete Streets. *The City shall plan a multimodal transportation system that provides safe, comfortable, and convenient access that accommodates various vehicle types and users, including automobiles, agricultural equipment, public transit, bicyclists, and pedestrians.*

Policy CIRC-1.5 ADA Compliance. *The City shall strive to ensure that the circulation system is safe and accessible, consistent with the American with Disabilities Act (ADA), to allow mobility-impaired users, such as disabled persons and seniors, to safely travel within and beyond the city.*

Policy CIRC-1.9 Landscaped Medians. *The City shall continue to expand the construction and maintenance of landscaped medians on all expressways, arterials, and major collector roadways, focusing on low-water-use and drought tolerant plants.*

Policy CIRC-1.10 Adequate Egress/Ingress. *During subdivision review process, the City shall require that all subdivisions, except for cul-de-sac streets, have a minimum of two egress/ingress points.*

Policy CIRC-1.11 New Street Names. *During the review of subdivisions, the City shall ensure the new street names are continuations of existing streets for streets that are aligned, and that addresses are logically assigned.*

Policy CIRC-1.12 Residential Driveways. *During the development review process, the City shall strive to restrict residential driveways from entering onto collector and arterial streets.*

Goal CIRC-2 *To ensure the design, construction, and maintenance of a safe, efficient, and complete roadway system that is well designed, visually attractive, and provides access to all parts of Kerman.*

Policy CIRC-2.1 Level of Service (LOS) and Vehicle Miles of Travel (VMT) Standards. *The City shall maintain LOS standards for use in considering conditions of approval for discretionary development Projects and use VMT analysis as the standard for evaluating environmental impacts under the California Environmental Quality Act (CEQA).*

Policy CIRC-2.2 Maintain Adequate Level of Service (LOS). *The City shall plan the roadway system to maintain adequate roadway LOS to avoid congestion and reduce VMT. A level of service of C will be the desirable minimum service level in Kerman at which highway, arterial, and collector segments will operate. A level of service of B will be the desirable minimum service level in Kerman at which intersections and rail crossings will operate.*

Policy CIRC-2.5 Greenhouse Gas Reduction. *The City shall strive to achieve VMT reductions consistent with the California Air Resources Board (CARB) 2017 Scoping Plan statewide greenhouse gas (GHG) emission reduction goals of 40 percent below 1990 emissions levels by 2030, or the latest guidance from CARB, as updated.*

Policy CIRC-2.6 Vehicle Miles Traveled (VMT) Standards. *The City shall establish a 13 percent below baseline conditions as a clear and realistic VMT threshold of significance to determine impacts on the environment related to development Projects, or as determined and adopted through the Fresno Council of Governments (FCOG) SB 743 Regional Guidelines Development process. The City will develop a baseline using the FCOG VMT calculation tool.*

Policy CIRC-2.7 Mitigation of Vehicle Miles Traveled (VMT) Transportation Impacts. *The City shall require Projects having potentially significant VMT transportation impacts under CEQA to implement feasible mitigation measures necessary to reduce the VMT for or induced by the Project to the applicable performance metrics. Such mitigation measures may include, but are not limited to:*

- *Provide infrastructure and facilities for walking and bicycling, particularly those that connect with and ensure access to existing active transportation infrastructure and transit;*
- *Include on-site EV charging capabilities;*
- *Incorporate traffic-calming measures ;*
- *Unbundle parking (separate/optional cost) from residential units in multifamily housing developments;*
- *Provide incentives to carpool or use active transportation; and/or*
- *Provide payment into an in-lieu fee program to reduce VMT.*

Goal CIRC-4 *To ensure adequate off-street parking that is safe.*

Policy CIRC-4.1 Parking on the Public Right-of-Way. *The City shall limit parking on the public right-of-way along, particularly along Madera Avenue, with public health and safety priorities.*

Goal CIRC-5 *To promote bicycling, walking, and using public transit, as functional alternatives to single-passenger automobile travel.*

Policy CIRC-5.1 Alternative Modes of Transportation. *The City shall encourage Project site designs and subdivision street and lot designs that support alternative modes of transportation, including public transit, bicycling, and walking.*

Policy CIRC-5.3 Continuous Bicycle Network. *The City shall design a safe and logical bicycle path network that links key destinations within the planning area to promote the use of bicycles as a mode of transportation to reduce greenhouse gas emissions and to encourage exercise.*

Policy CIRC-5.6 Pedestrian-Friendly Streets. *The City shall design and improve streets to be "pedestrian-friendly" by incorporating features including wide and unobstructed sidewalks, bulb outs at intersections, narrow traffic lanes at key locations to slow traffic speed, adequate street lighting, and trees for natural shade cover.*

CEQA Guidelines

Under Senate Bill 743 (SB743), traffic impacts are related to Vehicle Miles Traveled (VMT). The VMT metric became mandatory on July 1, 2020. Senate Bill (SB) 743 requires that relevant CEQA analysis of transportation impacts be conducted using a metric known as vehicle miles traveled (VMT) instead of Level of Service (LOS). VMT measures how much actual automobile travel (additional miles driven) a proposed Project would create on California roads. If the Project adds excessive automobile travel onto roads, then the Project may cause a significant transportation impact. Therefore, LOS measures of impacts on traffic facilities are no longer a relevant CEQA criteria for transportation impacts.

To implement SB 743, the CEQA Guidelines were amended by adding *Section 15064.3.* According to *Section 15064.3*, VMT measures the automobile travel generated from a proposed Project (i.e., the additional miles driven). Here, 'automobile' refers to on-road passenger vehicles such as cars and light-duty trucks. If a proposed Project adds excessive automobile travel on California roads thereby exceeding an applicable threshold of significance, then the Project may cause a significant transportation impact.

Among its provisions, *Section 15064.3(b)* establishes criteria for analyzing transportation impacts. Specifically, *Section 15064.3(b) (1)* establishes a less than significant presumption for certain land use Projects that are proposed within ½-mile of an existing major transit stop or along a high-quality transit corridor. If this presumption does not apply to a land use Project, then the VMT can be qualitatively or quantitatively analyzed.

In the case that quantitative models or methods are not available to the lead agency to estimate the VMT for the Project being considered, provisions of CEQA Guidelines *Section 15064.3(b)(3)* permits the lead agency to conduct a qualitative analysis. The qualitative analysis may evaluate factors including but not limited to the availability of transit, proximity to other destinations, and construction traffic.

Lastly, *Section 15064.3(b)(4)* of the CEQA Guidelines states that *"[a] lead agency has discretion to evaluate a Project's vehicle miles traveled, including whether to express the change in absolute terms, per capita, per household or in any other measure. A lead agency may use models to estimate a Project's vehicle miles traveled and may revise those estimates to reflect professional judgment based on substantial evidence. Any assumptions used to estimate vehicle miles traveled and any revision to model outputs should be documented and explained in the environmental document prepared for the Project. The standard of adequacy in Section 15151 shall apply to the analysis described in this section."*

SB 743 Technical Advisory

In April 2018, the Governor's Office of Planning and Research (OPR) issued the Technical Advisory on Evaluating Transportation Impacts in CEQA (Technical Advisory) (revised December 2018) to provide technical recommendations regarding VMT, thresholds of significance, and mitigation measures for a variety of land use Project types. The Technical Advisory includes screening thresholds for agencies to use in order to identify when a Project should be expected to cause a less-than-significant impact without conducting a detailed study. According to the Technical Advisory, lead agencies, using more location-specific information, may develop their own more specific thresholds, which may include other land use types.

Fresno COG VMT Tool

Fresno Council of Governments (COG) and its member agencies, including the City of Kerman, has developed a series of SB 743 Implementation Regional Guidelines and Tools in 2021 to discusses and provide guidance for VMT analysis on screening land use development Projects under CEQA. Subsequently, the City of Kerman officially adopted the COG's Regional Guidelines and Tools in 2022. According to the Guidelines, Projects can be screened out if:

- Within Transit Priority Area/High Quality Transit Corridor (within 0.5 miles of a transit stop, consistent with RTP/SCS, FAR > 0.75, limited parking, does not reduce the number of affordable housing units)
- Local-serving retail less than 50,000 square feet
- Low trip generator, generating less than 500 average daily trips (ADT)

- High level of affordable units
- Institutional/government and public service uses
- Projects located in low VMT zones, as identified in Fresno COG's screening map

Traffic Impact Study

A Traffic Impact Study was prepared for the Project by VRPA Technologies, Inc. The purpose of the study was to analyze traffic conditions related to the residential component of the Project and identify potential improvements to alleviate traffic impacts. The study recommended improvements to SR 180 (Whitesbridge Road) / Del Norte Avenue, SR 180 (Whitesbridge Road) / SR 145 (Madera Avenue), Kearney Boulevard / 1st Street, and Boulevard B-Harvest Elementary School / SR 145 (Madera Avenue), as well as contribution of equitable fair share toward the cost of improvements identified. Future commercial development of the remainder parcel would be subject to separate, project-specific entitlements and environmental review. Results are incorporated herein.

4.17.3 Impact Assessment

Would the Project:

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

Less Than Significant Impact. The Project would be required to comply with all project-level requirements implemented by a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities, as well as roadway improvements and fair share contributions to be conditioned per the Traffic Impact Study prepared by VPRA Technologies as determined by the City. Compliance with applicable General Plan policies is described in Table 4-19. Overall, the Project would not conflict with a program plan, ordinance, or policy addressing the circulation system. Impacts would be less than significant.

Roadway Facilities

Access to the residential subdivision would be provided from Madera Avenue (State Route 145) through one main entrance, West Isabella Avenue. The development's internal road network would connect to West Isabella Avenue; all roadways would be built to City Standards and include curb, gutter, and sidewalk. This internal street network would provide primary access for the residential portion of the site. The proposed temporary ponding basin, park, and paseos would also be accessible via this network.

The Project would be required to submit public improvement plans for off-site improvements through the building permit process, for review and approval by the City to ensure improvements would be consistent with adopted standards, specifications, and approved street plans. Through compliance, the Project would result in improvements to the roadway network consistent with the goals, objectives, and policies of the General Plan as shown on the Circulation Diagram and described in the Circulation Element. Impacts would be less than significant.

Pedestrian and Bicycle Facilities

There are no existing pedestrian facilities including sidewalks, trails, or paths adjacent to the Project site. The Fresno County ATP and Circulation Element of the 2040 General Plan Update identifies planned Class II Bike Lane facilities along North Madera Avene across the western boundary of the Project Area. Off-site improvements would be verified and ensured through the building permit process. Impacts would be less than significant.

Table 4-19 Discussion on Circulation Policies in the General Plan for Residential Development

General Plan Policy	Project Consistency
CIRC-1.2 Complete Streets. *The City shall plan a multimodal transportation system that provides safe, comfortable, and convenient access that accommodates various vehicle types and users, including automobiles, agricultural equipment, public transit, bicyclists, and pedestrians.*	**Consistent.** The Project would provide a multimodal transportation system by including curb, gutter, and sidewalks for pedestrians and a planned Class II Bike Lane along North Madera Avenue. This ensures safe access for various users, including bicyclists and pedestrians.
CIRC-1.5 ADA Compliance. *The City shall strive to ensure that the circulation system is safe and accessible, consistent with the American with Disabilities Act (ADA), to allow mobility-impaired users, such as disabled persons and seniors, to safely travel within and beyond the city.*	**Consistent.** The construction of new sidewalks and street improvements would be done in compliance with the Americans with Disabilities Act (ADA) to ensure accessibility for all users, as verified through approval of the improvement plans and building permits.
CIRC-1.10 Adequate Egress/Ingress. *During subdivision review process, the City shall require that all subdivisions, except for cul-de-sac streets, have a minimum of two egress/ingress points.*	**Consistent.** Access to the residential subdivision would be provided from Madera Avenue (State Route 145) through one main entrance, West Isabella Avenue. Additional future access from the east of the site will be provided via Regal Avenue and A Street. A second access point to Madera Avenue will be provided through an emergency vehicle access (EVA) easement. Through the east connection and EVA easement, the Project meets this requirement.
CIRC-1.11 New Street Names*. During the review of subdivisions, the City shall ensure the new street names are continuations of existing streets for streets that are aligned, and that addresses are logically assigned.*	**Consistent.** The Project would be required to ensure new street names are consistent with the city's naming conventions and logically assigned, promoting a clear and organized street network.
CIRC-1.12 Residential Driveways. *During the development review process, the City shall strive to restrict residential driveways from entering onto collector and arterial streets.*	**Consistent.** All residential driveways would enter onto internal streets and cul-de-sacs, not directly onto collector or arterial streets, aligning with the policy to restrict such access.
CIRC-2.1 Level of Service (LOS) and Vehicle Miles of Travel (VMT) Standards. *The City shall maintain LOS standards for use in considering conditions of approval for discretionary development Projects and use VMT analysis as the standard for evaluating environmental impacts under the California Environmental Quality Act (CEQA).*	**Consistent.** A vehicle miles traveled analysis was conducted for the Project and as described in criterion b), impact under CEQA would be less than significant.
CIRC-2.2 Maintain Adequate Level of Service (LOS). *The City shall plan the roadway system to maintain adequate roadway LOS to avoid congestion and reduce VMT. A level of service of C will be the desirable minimum service level in Kerman at which highway, arterial, and collector segments will operate. A level of service of B will be the desirable*	**Consistent.** A Traffic Impact Study was conducted for the Project. As detailed in the draft report, improvements are recommended at four intersections, including SR-180 (Whitesbridge Road/Del Norte Avenue, SR-180 (Whitesbridge Road)/SR-145 (Madera Avenue), Kearney Boulevard/1st Street, and Isabella Avenue/SR-145 (Madera Avenue), in addition to fair share contributions. The recommended improvements and fair share contributions

minimum service level in Kerman at which intersections and rail crossings will operate.	identified for the near-term and horizon year 2046 plus project scenarios are sufficient to meet the target level of service criteria. The Project will be conditioned accordingly for consistency with this requirement.
CIRC-4.1 Parking on the Public Right-of-Way. *The City shall limit parking on the public right-of-way along, particularly along Madera Avenue, with public health and safety priorities.*	**Consistent.** The Project would comply with the Kerman Municipal Code by requiring each single-family home to have a minimum of two (2) covered parking spaces. This on-site parking will help to minimize the need for parking on the public right-of-way.
CIRC-5.1 Alternative Modes of Transportation. *The City shall encourage Project site designs and subdivision street and lot designs that support alternative modes of transportation, including public transit, bicycling, and walking.*	**Consistent.** The subdivision's design, which includes internal streets, paseos, and parkland, supports a pedestrian-friendly environment and encourages walking and biking as alternatives to single-occupancy vehicle travel. The connection to the planned bike lane on Madera Avenue further enhances this.
CIRC-5.3 Continuous Bicycle Network. *The City shall design a safe and logical bicycle path network that links key destinations within the planning area to promote the use of bicycles as a mode of transportation to reduce greenhouse gas emissions and to encourage exercise.*	**Consistent.** The planned Class II Bike Lane along the Project's Madera Avenue frontage would connect to and contribute to the city's overall bicycle network, supporting a safe and logical system for cyclists.
CIRC-5.6 Pedestrian-Friendly Streets. *The City shall design and improve streets to be "pedestrian-friendly" by incorporating features including wide and unobstructed sidewalks, bulb outs at intersections, narrow traffic lanes at key locations to slow traffic speed, adequate street lighting, and trees for natural shade cover.*	**Consistent.** The internal street network would include sidewalks and street trees, providing a pedestrian-friendly environment and promoting walking for both recreation and transportation.

Transit Facilities

There are no existing or planned transit facilities adjacent to the Project Area as identified by the General Plan and Fresno County Rural Transit Agency (FCRTA). The closest bus stop to the Project is located approximately 420 feet south of the site on Whitesbridge Road (SR 180) between South Madera Avenue and South 1st Street. This route runs twice daily from Firebaugh to Fresno, stopping in the City of Kerman a total of eight (8) times a day. Impacts would be less than significant.

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

Less than Significant Impact. CEQA Guidelines Section 15064.3(b) establishes vehicle miles traveled (VMT) as the appropriate metric for evaluating a project's transportation impacts under CEQA. Consistent with the recommendations of the Governor's Office of Planning and Research (OPR), the City of Kerman has adopted a VMT threshold of significance under which a development project would result in a less-than-significant transportation impact if it generates per capita VMT that is at least 13 percent below existing baseline conditions.

The Fresno Council of Governments (Fresno COG) developed VMT Screening Maps countywide based on activity-based modeling, which identify areas that with average daily VMT levels below adopted thresholds. Under the Fresno County SB 743 Implementation Regional Guidelines, projects located within identified low-VMT areas may be presumed to have a less-than-significant transportation impact if they are consistent with the applicable General Plan. The Guidelines further state that projects involving General Plan Amendments or Rezones must be evaluated on a case-by-case basis to confirm consistency with the assumptions underlying the screening maps.

The Project site is located within Travel Analysis Zone (TAZ) 1582. According to the Fresno COG VMT Screening Maps, the average VMT per capita within TAZ 1582 is 13.33, which is 19.2 percent lower than the City of Kerman's citywide average of 16.50 VMT per capita, therefore meeting and exceeding the 13 percent below baseline performance threshold. Based on this metric, TAZ 1582 is characterized as a "low VMT" zone eligible for screening (Figure 4-4).[20]

The Project includes General Plan Amendment 2025-01 and Rezone 2025-01, which would adjust the configuration of land uses by increasing Medium Density Residential (MDR) from approximately 29 acres to 31 acres and decreasing General Commercial (GC) from approximately 24 acres to 21 acres, along with relocating the GC area from the western to the northern portion of the site. The proposed Tentative Subdivision Map would subdivide approximately 31 acres into 183 single-family lots, yielding a residential density within the range of the City's MDR designation. These changes do not introduce new land use types or higher-intensity regional-serving uses; rather, they slightly increase residential acreage and reduce commercial acreage, maintaining a local-serving residential and commercial mix consistent with the General Plan's growth framework and with the modeling assumptions that underlie the Fresno COG screening tools.

Because the Project includes General Plan and Zoning amendments, a case-by-case evaluation is conducted to verify that the proposed land use intensity and mix remain consistent with the modeling assumptions used in the Fresno COG VMT Screening Maps. The Project's modest increase in residential acreage within the allowed density does

[20] Fresno Council of Governments. (2025). Fresno County – VMT Screening Application. Accessed August 22, 2025, https://gis1.lsa.net/fcogvmt/

not introduce new land use types or intensities that would generate higher trip lengths or regional VMT than contemplated under the existing General Plan. The proposed land use pattern would continue to support local-serving residential and neighborhood commercial uses consistent with the City's growth framework. Accordingly, the Project's residential component remains compatible with the low-VMT characteristics of TAZ 1582.

Because no specific commercial development is proposed on the ±21-acre GC remainder parcel at this time, the VMT screening conclusion is applied to the residential subdivision, which clearly qualifies for screening in a low-VMT TAZ and is not expected to generate VMT materially higher than assumed under the existing General Plan. Conceptually, the planned GC acreage would be reduced, not increased, relative to the current General Plan, and remains designated for neighborhood- and community-serving commercial uses that are consistent with the City's adopted land use pattern and the VMT screening assumptions for TAZ 1582; as such, buildout of this GC area, if developed with typical local-serving commercial uses, would be expected to have VMT characteristics similar to or lower than those evaluated in the screening maps. However, because specific commercial uses, intensities, and site design are not defined at this time, any future commercial development of the remainder parcel would be subject to separate discretionary approvals and a project-specific VMT assessment consistent with the City's adopted CEQA thresholds and Fresno COG guidelines then in effect.

Based on Fresno COG VMT Screening Map data, the regional SB 743 implementation guidance, and the case-by-case consistency evaluation for the proposed land use mix and intensity, the residential component of the Project qualifies for VMT screening and would not conflict with or be inconsistent with CEQA Guidelines Section 15064.3(b). VMT-related impacts from the Project, as currently defined, would be less than significant.

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

Less than Significant Impact. The Project design does not contain any geometric design features that would create hazards. Implementation of the Project would not require the expansion of the roadway network serving the Project Site. All roadways within the proposed subdivision would be designed in accordance with City standards and would have curb, gutter, and sidewalk. In addition, Madera Avenue in proximity to the Project site would be improved to its ultimate rights-of-way, with curb, gutter, and sidewalk, in addition to landscaping. The Project would be required to submit public improvement plans through the permit process for review and approval by the City to ensure offsite improvements would be consistent with adopted City Standards, Specifications, and the approved street plans. Compliance with such standards, specifications, and plans would ensure that any traffic hazards are minimized. Lastly, the Project proposes a residential development of a site that is within an area comprising existing and planned residential uses. Therefore, the Project does not propose an incompatible use because it is consistent with the existing development in the area and is similar in nature to the surrounding uses. As a result, implementation of the Project would result in a less than significant impact related to hazards due to roadway design features or incompatible uses.

d) Result in inadequate emergency access?

Less than Significant Impact. The Project site would be accessible via the existing roadway network, with proposed ingress/egress on adjacent streets. The Project would not alter or impede any primary evacuation routes. While temporary lane closures may occur during construction, these would be managed through approved traffic control plans and encroachment permits to maintain emergency vehicle access. Post-construction, the Project would

maintain adequate emergency access, including appropriate turning radii for emergency vehicles, clearly marked fire lanes, and sufficient hydrant access. The City's review and approval process would ensure compliance with all applicable codes and regulations related to emergency access and evacuation. Therefore, the Project would not impair emergency response or evacuation plans, and the impact is considered less than significant.

4.17.4 Mitigation Measures

None required.

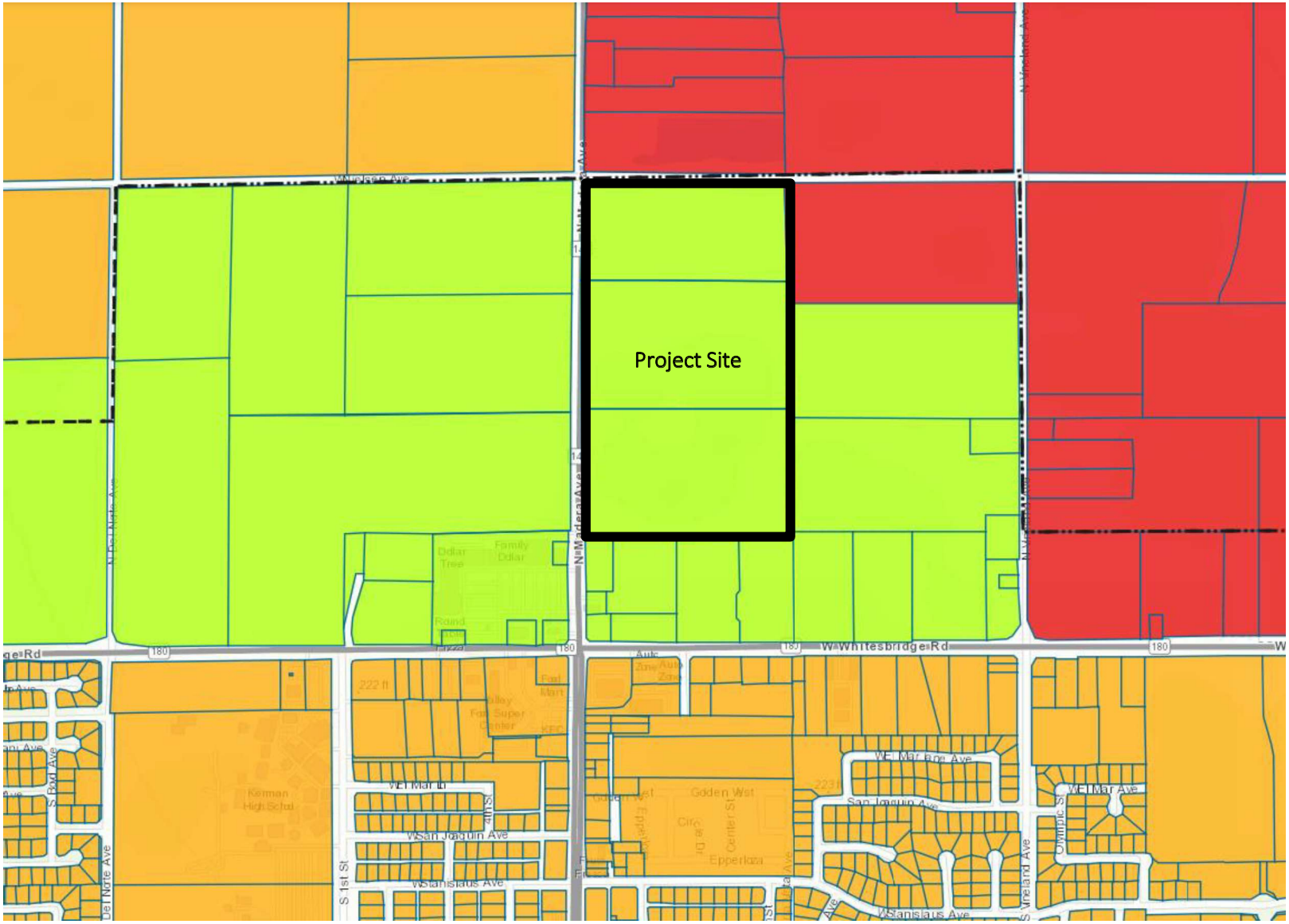


Figure 4-4 Fresno Council of Governments VMT Screening Map, 13% Residential Project

4.18 TRIBAL CULTURAL RESOURCES

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

4.18.1 Project Components Analyzed

For purposes of this tribal cultural resources analysis, the "Project site" refers to the three parcels evaluated in Section 4.5 Cultural Resources (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), where the SSJVIC CHRIS Record Search #25-198, NAHC Sacred Lands File search, and AB 52/SB 18 tribal consultations were conducted. APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and tribal cultural resources review. See Section 4.5 Cultural Resources for complete record search and consultation details.

4.18.2 Environmental Setting

See Section 4.5. Cultural Resources.

4.18.3 Impact Assessment

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:

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

Less than Significant Impact with Mitigation Incorporated. Public Resources Code Section 21074 defines a "tribal cultural resource" as a site, feature, place, cultural landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources or listed in a local register of historical resources. Public Resources Code (PRC) Section 5020.1(k) further clarifies that a local register of historical resources is a list of properties officially designated as historically significant by a city or county through a local ordinance or resolution.

As discussed in Section 4.5 Cultural Resources, a CHRIS record search, consultation notices sent to Native American tribes, and a Sacred Lands File check were conducted for the project site and surrounding area. These efforts, which specifically sought to identify known tribal cultural resources, did not identify any such resources within the Project boundaries. Therefore, the Project would not impact any known tribal cultural resources listed or eligible for listing in the California Register or a local register.

However, recognizing the possibility of encountering undiscovered tribal cultural resources during ground-disturbing activities, the Project would incorporate ***Mitigation Measure CUL-1***. This measure would protect any inadvertently discovered cultural resources, including tribal cultural resources as defined in PRC Section 21074. Specifically, this measure outlines a stop-work and assess procedure during the construction phases of the project including stop work, expert consultation, City notification, resource evaluation and protection, and long-term preservation to avoid or minimize potential impacts. This measure directly addresses potential impacts to undiscovered tribal cultural resources that might meet the criteria of PRC Section 21074.

Therefore, considering the negative findings of the record search and tribal consultation regarding known resources, and the implementation of ***Mitigation Measure CUL-1*** to address potential impacts to undiscovered resources, the Project is not anticipated to cause a substantial adverse change in the significance of a tribal cultural resource. Potential impacts to unknown resources, if any, will be reduced to a less than significant level through the procedures outlined in ***Mitigation Measure CUL-1***. Impacts would be less than significant.

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

Less than Significant Impact with Mitigation Incorporated. Public Resources Code (PRC) Section 5024.1 outlines criteria for determining the historical significance of a resource. While the Project site has not been formally designated as a historical resource by the City of Kerman under this section, undiscovered tribal cultural resources, potentially meeting the criteria of PRC 5024.1, could be encountered during ground-disturbing activities.

As discussed previously, a CHRIS record search, tribal consultation notices, and a Sacred Lands File check were conducted. These efforts did not identify any known tribal cultural resources on the project site. However, the possibility of encountering undiscovered resources, potentially meeting the significance criteria of PRC Section 5024.1, remains.

To address this possibility, the Project would incorporate ***Mitigation Measure CUL-1***. This measure would protect any inadvertently discovered cultural resources, including tribal cultural resources as defined in PRC Section 21074. Specifically, this measure outlines a stop-work and assess procedure during the construction phases of the project

including stop work, expert consultation, City notification, resource evaluation and protection, and long-term preservation to avoid or minimize potential impacts.

Therefore, considering the negative findings of the record search and tribal consultation regarding known resources, and the implementation of ***Mitigation Measure CUL-1*** to address potential impacts to undiscovered resources that might meet the criteria of PRC Section 5024.1, the Project is not anticipated to cause a substantial adverse change in the significance of a tribal cultural resource. Potential impacts to unknown resources, if any, will be reduced to a less than significant level through incorporation of ***Mitigation Measure CUL-1***. Impacts would be less than significant.

4.18.4 Mitigation Measures

Mitigation Measure CUL-1: *In order to avoid the potential for impacts to historic and prehistoric archaeological resources, the following measures shall be implemented in conjunction with the construction of each phase of the Project:*

If previously unknown historical, archeological, cultural, or paleontological resources are encountered before or during grading activities, construction shall stop in the immediate vicinity of the find and a qualified archeologist, historical resources specialist, or paleontologist, shall be consulted to determine whether the resource requires further study. Notification of discovery shall be provided to the City Community Development Department.

The qualified archeologist, historical resources specialist, or paleontologist shall make recommendations to the project proponent on the measures that shall be implemented to protect the discovered resources, including but not limited to excavation of the finds and evaluation of the finds in accordance with Section 15064.5 of the CEQA Guidelines and City's policies and procedures related to historical, cultural, and paleontological resources. Notification of the measures shall be provided to the City Community Development Department.

If the resources are determined to be unique historical resources as defined under Section 15064.5 of the CEQA Guidelines, measures shall be identified by the monitor and recommended to the project proponent, who shall notify the City Community Development Department. Appropriate measures for significant resources could include avoidance or capping, preservation in-place, recordation, additional archeological resting, incorporation of the site in green space, parks, or open space, or data recovery excavations of the finds.

No further grading shall occur in the area of the discovery until the City Community Development Department approves the measures to protect these resources. Any historical, archeological, cultural, or paleontological artifacts recovered as a result of mitigation shall be provided to a City-approved institution or person who is capable of providing long-term preservation to allow future scientific study.

4.19 UTILITIES AND SERVICE SYSTEMS

	Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effect?			X	
b)	Have sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry and multiple dry years?			X	
c)	Result in a determination by the wastewater treatment provider, which serves or may serve the Project that it has adequate capacity to serve the Project's Projected demand in addition to the provider's existing commitments?			X	
d)	Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			X	
e)	Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			X	

4.19.1 Project Components Analyzed

For purposes of this utilities analysis, the "Project site" refers to the three parcels proposed for 183 single-family residential lots ("Harvest Estates") under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), which would generate water/wastewater/solid waste demand and connect to City services post-annexation. Without development proposed, the ±21-acre commercial remainder parcel (no development proposed) and APNs 020-120-11 and 020-120-17S (annexation/pre-zone only) contribute minimal utility demand and are excluded from this analysis; future development would be subject to separate entitlements and utility review.

4.19.2 Environmental Setting

The Project site would be annexed into Kerman City limits and thus, would be required to connect to water, wastewater, and stormwater services. Natural gas, electricity, and telecommunications are provided by private companies. Each utility system is described below.

Water

Water supply, usage, and services are described in Section 4.10. Hydrology and Water Quality.

Wastewater

The City owns, operates, and maintains its wastewater collection and treatment system to provide wastewater service to developed properties within its city limits. The wastewater collection system consists of a network of 6-inch and 8-inch diameter collection mains that connect to larger trunk mains ranging from 10-inch to 27-inch in diameter. The collection system includes two (2) permanent lift stations and one (1) temporary lift station.

The City's Wastewater Treatment Facility (WWTF) is located on Church Avenue west of Madera Avenue. The WWTF is permitted under Waste Discharge Requirements Order No. R5-2007-0115, issued by the California Regional Water Quality Control Board. The WWTF generally consists of a headworks, Biolac aeration system, two (2) clarifiers, sludge processing/handling facilities, three (3) storage ponds, and seven (7) disposal ponds. The City owns an additional 28 acres adjacent to the WWTF that can be used for additional disposal ponds in the future, if needed. The WWTF was designed to accommodate a daily maximum flow of 2.0 million gallons per day (MGD). The average daily flow for 2024 was 1.152 MGD. Assuming a 3.0 percent annual growth rate, the WWTF has sufficient capacity to serve planned growth until the year 2040.

Solid Waste

Kerman contracts with Mid Valley Disposal for solid waste, recycling, and composting services. Collection is provided four (4) days a week to residential, commercial, and industrial customers. Mid Valley Disposal hauls solid waste to the American Avenue Landfill, about 6 miles southwest of Kerman, and recyclables to their new state-of-the-art Material Recovery Facility (MRF) in Fresno. The MRF is capable of processing 35 tons of material an hour for diversion to manufacturers and can process wood into wood chips and mulch safe for public use. Lastly, Mid Valley hauls compostable organic waste to a 68,000 square foot composting facility located in Kerman. Opened in 2017, the composting facility can handle 60,000 tons of organic material per year and produces high-quality finished compost.

Stormwater

Stormwater services are described in Section 4.10. Hydrology and Water Quality.

Natural Gas and Electricity

Pacific Gas & Electric (PG&E) would provide electricity supply, electricity transmission, and natural gas to new development at the Project site. According to the PG&E Distribution Investment Deferral Framework (DIDF) Map, there are PG&E-maintained power lines along the street frontages surrounding the Project site.[21]

Telecommunications

Accordingly, telecommunications providers in the area incrementally expand and update their service systems in response to usage and demand. Upon request, the site would be connected to existing broadband infrastructure and subject to applicable connection and service fees.

4.19.3 Impact Assessment

Would the Project:

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?

Less than Significant Impact. The Project would connect to existing municipal water mains in the adjacent roadways. The existing mains would not require upsizing or relocation to facilitate the proposed development. The water system improvements for the Project would be designed and constructed in accordance with City standards and requirements, as verified through the building process. As discussed in criterion b), the Project's estimated water demand would fall within the projected supplies for all normal years and dry years. Further, the Project's adherence to regulatory requirements, implementation of water conservation measures, and payment of capacity and connection fees would ensure its water demand remains within acceptable limits, thus minimizing its impact on groundwater supplies and resulting in a less than significant impact.

The Project would also connect to existing municipal sanitary sewer mains in the adjacent roadways. The existing mains would not require upsizing or relocation to facilitate the proposed development. The sewer system improvements for the Project would be designed and constructed in accordance with City standards and requirements, as verified through the permit process. As discussed in criterion c), the Project's estimated wastewater demand would be within the City's allocated capacity and falls within the wastewater treatment facility's existing capacity to treat the Project's wastewater. Further, the Project would be required to pay sewer facilities development fees and connection fees, contributing to the funding of adequate sewer facilities. For these reasons, impacts would be less than significant.

The Project would incorporate storm water drainage infrastructure designed in compliance with all applicable codes and standards to manage stormwater runoff effectively, as ensured through City reviewed and approved grading and drainage plans. As discussed in Section 4.10, the Project's compliance with the SWPPP, approved grading and drainage plan, and implementation of BMPs would control and direct runoff. The existing facilities would not

[21] PG&E. (2022). Distribution Investment Deferral Framework (DIDF) Map. Accessed on August 25, 2025, https://www.pge.com/b2b/distribution-resource-planning/grid-needs-assessment-map.html

require relocation or expansion of new facilities to facilitate the proposed development. Impacts would be less than significant.

PG&E would provide natural gas and electricity, and a telecommunications provider would serve the site. The Project would relocate and underground the utilities on the site. The construction and operations of the Project would be subject to compliance with applicable energy efficiency regulations including CALGreen, Title 24, and CARB. No new expanded facilities would be required for electric, gas, or telecommunications facilities. Impacts would be less than significant.

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

Less than Significant Impact. Water supply reliability is assessed based on the characteristics of the City's water supplies during various water year types. The City's 2020 UWMP defines these water year types as follows.

- Normal Year: this condition represents the water supplies the City considers available during normal conditions. This could be a single year or an average range of years that most closely represents the average water supply available to the supplier. To determine the amount of water available during a normal year, the City evaluated the total volume of water supplied over the last twenty years. During this period, the City's maximum water usage occurred during 2008. Therefore, the average year selected is 2008, when 1,273 MG of water was supplied.
- Single Dry Year – The single dry year is recommended to be the year that represents the lowest water supply available. The year 2001 represents the single dry year for the City, during which, the City supplied 787 MG of water.
- Five-Consecutive Year Drought – The driest five-year historical sequence for the supplier, which may be the lowest average water supply available for five years in a row. For the five-year drought period, the City evaluated the average volume of water that was supplied during the State's most recent drought period, which occurred during the years of 2012 to 2016. During this period, the average volume of water that was supplied was approximately 1,043 MG. Between 2012 and 2016, the volume of water supplied decreased at an average annual rate of approximately 5.7 percent.

According to the UWMP, the City is expected to have adequate water supplies during normal years to meet its projected demands through 2045.The UWMP also indicates that based on the resiliency of the groundwater basin and extraction of potable groundwater from City wells, it is not anticipated that a single or multiple dry year period will critically reduce the availability of water supply to the city. Anticipated groundwater supplies are sufficient to meet all demands through the year 2045 even under drought conditions. To continue to utilize groundwater, the UWMP stresses the importance of the City continuing its current efforts towards conservation. Demand reduction actions are described in Chapter 8: Water Shortage Contingency Plan of the UWMP. Each action has a penalty, charge, or other enforcement method to ensure compliance. Adherence to these requirements would ensure impacts would be less than significant.

Furthermore, as discussed under Section 4.10, adherence to connection requirements and recommendations pursuant to the City's conservation efforts (e.g., compliance with California Plumbing Code, efficient appliances, efficient landscaping, etc.) should not negatively impact water supply or impede water management. In particular, the proposed Project would be required to be built accordance with all mandatory outdoor water use requirements

as outlined in the applicable California Green Building Standards Code, Title 24, Part 11, Section 4.304 – Outdoor Water Use and verified through the building permit process. As a residential development that would contain landscaping pursuant to SMC regulations, future development shall comply with the updated Model Water Efficient Landscape Ordinance (MWELO) (California Code of Regulations, Title 23, Chapter 2.7, Division 2), as implemented and enforced through the building permit process. Therefore, through compliance, the potential for the Project to substantially decrease groundwater supplies is limited and impacts would be less than significant.

In addition, the City is a member of the North Kings Groundwater Sustainability Agency and is implementing the Kings Subbasin Groundwater Sustainability Plan, including a 2025 surface water supply agreement with Fresno Irrigation District under which FID will provide a dedicated Kings River surface water allocation (up to approximately 2,150 acre-feet per year) for delivery to City recharge basins to support groundwater sustainability. This long-term recharge commitment, combined with the City's existing network of percolation basins and the Project's compliance with City conservation ordinances, the California Plumbing Code, the California Green Building Standards Code (Title 24, Part 11), and the MWELO, will help offset pumping and maintain supply reliability in varying hydrologic conditions. Overall, based on the UWMP and the City's groundwater sustainability and recharge programs, sufficient water supplies are expected to be available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple-dry years, and the Project's contribution to water demand would be less than significant.

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?

Less than Significant Impact. The WWTF was designed to accommodate a daily maximum flow of 2.0 million gallons per day (MGD). The average daily flow for 2024 was 1.152 MGD. Assuming a 3.0 percent annual growth rate, the WWTF has sufficient capacity to serve planned growth until the year 2040. Impacts would be less than significant.

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?

Less than Significant Impact. The Kerman General Plan Public Facilities and Services Element contains *Policy PFS-1.3 Integrated Waste Management System*, which requires the City to ensure that residents and businesses have a cost-effective, integrated waste management system. Solid waste services are subject to the California Integrated Waste Management Act of 1989 (AB 939), which requires each jurisdiction in California to divert at least 50% of its waste stream away from landfills either through waste reduction, recycling, or other means.

The City of Kerman contracts Mid Valley Disposal for solid waste, recycling, and composting services. Mid Valley Disposal disposes solid waste at the American Avenue Landfill (SWIS Number 10-AA-009). The American Avenue Landfill will continue operation until 2031. It currently has a maximum throughput of 2,200 tons per day, a remaining capacity of 29,358,535 cubic yards, and a maximum permit capacity of 32,700,000 cubic yards.[22]

[22] California Department of Resources Recycling and Recovery (2023). "SWIS Facility/Site Search." Accessed on August 25, 2025, https://www2.calrecycle.ca.gov/SolidWaste/Site/Search

Construction

CALGreen mandates locally permitted new residential building construction and demolition to recycle and/or salvage for reuse a minimum 65% of the nonhazardous construction and demolition debris generated during the Project. Further, the recycling of construction and demolition materials is required for any City-issued building or demolition permit that generates at least eight cubic yards of material by volume. Therefore, the Project would be required to implement techniques to reduce and recycle waste during construction activities in accordance with mandatory requirements under CALGreen as implemented through the building permit process. Compliance would be ensured through the building permit process. Therefore, through compliance, solid waste generated through construction activities is not anticipated to generate solid waste in excess of state or local standards, in excess of the capacity of the local infrastructure, or otherwise impair the attainment of solid waste reduction goals. Therefore, the Project would have a less than significant impact.

Operations

The Project is anticipated to generate approximately 164 tons of solid waste per year as estimated by CalEEMod (Appendix A). The estimation accounts for compliance with AB 939. According to the review of the Project by Mid Valley Disposal, the Project whole require bins for each single-family residences (recycling, organics, and trash). Solid waste generated through Project operations would account for less than 0.1 percent of the daily permitted throughout capacity of the landfill. As such, Project operations are not anticipated to generate solid waste in excess of state or local standards, in excess of the capacity of the local infrastructure, or otherwise impair the attainment of solid waste reduction goals. Therefore, the Project would have a less than significant impact.

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

Less than Significant Impact. As described under criterion d), Project construction and operational activities that generate solid waste would be handled, transported, and disposed of in accordance with AB 939 and CALGreen regulations related to solid waste. Compliance would be ensured through the building permit process. Therefore, through compliance, the Project would comply with laws and regulations that would ensure impacts related to solid waste are reduced to less than significant levels.

4.19.4 Mitigation Measures

None required.

4.20 WILDFIRE

If located in or near state responsibility 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?				X
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose Project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?				X
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?				X
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?				X

4.20.1 Project Components Analyzed

For purposes of this wildfire analysis, the "Project site" refers to the three parcels proposed for development under Vesting Tentative Subdivision Map No. 2025-01 (APNs 025-130-48, 025-130-47, and 025-130-60S; approximately 31 acres total), as mapped in CAL FIRE Fire Hazard Severity Zones (unzoned local responsibility area). APNs 020-120-11 and 020-120-17S (annexation/pre-zone only, no development proposed) are excluded from this analysis; future development would be subject to separate entitlements and wildfire review.

4.20.2 Environmental Setting

As designated by the California Department of Forestry and Fire Protection (CAL FIRE), the Kerman Planning Area is located in an unzoned local responsibility area according to the most recent Fire Hazard Severity Zones map.[23] The nearest mapped hazard zone is listed as a moderate fire hazard severity zone and is located five miles northwest of the City of Kerman between the City of Mendota and the unincorporated community of Tranquility. The nearest

[23] California Department of Forestry and Fire Protection. Fire Hazard Severity Zone Viewer. Accessed on August 25, 2025, https://experience.arcgis.com/experience/03beab8511814e79a0e4eabf0d3e7247/

very-high fire hazard severity zone is located 30 miles to the southwest near the community of Huron. The North Central Fire Protection District is responsible for providing fire protection services in Kerman (See Section 4.15).

4.20.3 Impact Assessment

If located in or near state responsibility or lands classified as very high fire hazard severity zones, Would the Project:

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

No Impact. The Project site would be accessible via the existing roadway network, with proposed ingress/egress on Madera Avenue. The Project would not alter or impede any primary evacuation routes identified by the City's adopted emergency response plan or emergency evacuation plan. While construction activities may require temporary lane closures, these would be short-term and managed through approved traffic control plans and encroachment permits to ensure that emergency vehicle access is always maintained. Post-construction, the Project would maintain emergency access that support emergency response, such as adequate turning radii for emergency vehicles, clearly marked fire lanes, and sufficient hydrant access. The Project has been reviewed and conditioned by the City for compliance with all applicable codes and regulations, including those related to emergency access and evacuation, to ensure that the Project would not conflict with or impair emergency response plans or emergency evacuation plans. Therefore, no impact would occur.

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose Project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

No Impact. The Project site is located on a relatively flat, highly disturbed property with minimal slope. The site is not situated in a wildland or a Cal Fire-designated Fire Hazard Severity Zone (FHSZ). Furthermore, the site is within an "area of local responsibility." The flat terrain, lack of wildland vegetation, absence of prevailing winds that would exacerbate fire risk, and location outside a FHSZ reduces wildfire risk and the potential to expose occupants to significant pollutant concentrations from a wildfire or contribute to the uncontrolled spread of a wildfire. In addition, the development itself would be constructed in compliance with the CBC and local fire safety regulations, which include measures to minimize fire risk, such as sprinkler systems and fire hydrants. The transition from a vacant site to a developed site with impervious surfaces (e.g., pavement, roofs) would also reduce the potential for wildfire to spread compared to existing conditions. Therefore, no impact would occur.

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

No Impact. Once annexed, the Project would be within Kerman City limits and would be served by existing, maintained infrastructure, including roads and utilities. The Project itself would include off-site improvements (e.g., curb, gutter, sidewalk) and connections to existing utilities (e.g., water, sewer, power, stormwater drainage). These improvements are limited in scope and would connect to and improve the existing street and utility network. The addition of curb, gutter, and sidewalk and connection to existing utilities are not anticipated to exacerbate fire risk. These improvements would not introduce new ignition sources. The design and construction of these improvements would be required to comply with all applicable City codes and regulations, including those related

to fire safety, environmental protection, and traffic management. Through compliance, such infrastructure would not exacerbate fire risk or result in temporary or ongoing impacts to the environment and no impact would occur.

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?

No Impact. The Project site is located on relatively flat terrain with stable, native soil and is not in or near state responsibility areas or areas classified as Fire Hazard Severity Zones, or rivers or creeks that would be more susceptible to landslides. The Project would incorporate drainage infrastructure designed in compliance with all applicable codes and standards to manage stormwater runoff effectively, as ensured through City reviewed and approved grading and drainage plans. Therefore, the Project is not anticipated to expose people or structures to significant risks, including downslope or downstream flooding or landslides because of runoff, post-fire slope instability, or drainage changes. No impact would occur.

4.20.4 Mitigation Measures

None required.

4.21 MANDATORY FINDINGS OF SIGNIFICANCE

	Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Does the Project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?		X		
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)?		X		
c)	Does the Project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?		X		

4.21.1 Impact Assessment

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 an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?

Less than Significant Impact with Mitigation Incorporated. The analyses of environmental issues contained in this Initial Study indicate that the Project (Annexation 2025-01, General Plan Amendment 2025-01, Pre-zone/Rezone 2025-01, and Tentative Subdivision Map 2025-01 across all five parcels) is not expected to have substantial impact on the environment or on any resources identified in the Initial Study. Standard requirements that will be

implemented through the entitlement process and the attached mitigation monitoring and reporting program have been incorporated in the project to reduce all potentially significant impacts to less than significant, including *Mitigation Measures AG-1, AQ-1, BIO-1, CUL-1, , HAZ-1, HAZ-2, HAZ-3, NOI-1, and NOI-2*. Annexation-only parcels (020-120-11, -17) are consistent with the General Plan (Table 2-2), and no new impacts beyond the 2040 General Plan EIR are expected. Therefore, the Project would have a less than significant impact with mitigation incorporated.

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 with Mitigation Incorporated. 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. Due to the nature of the Project and consistency with environmental policies, incremental contributions to impacts are considered less than cumulatively considerable. Standard requirements that will be implemented through the entitlement process and the attached mitigation monitoring and reporting program have been incorporated in the project to reduce all potentially significant impacts to less than significant, including *Mitigation Measures AG-1, AQ-1, BIO-1, CUL-1, HAZ-1, HAZ-2, HAZ-3, NOI-1, and NOI-2*. Annexation-only parcels (020-120-11, -17) are consistent with the General Plan (Table 2-2), and no new impacts beyond the 2040 General Plan EIR are expected. The Project would not contribute substantially to adverse cumulative conditions, or create any substantial indirect impacts (i.e., increase in population could lead to an increased need for housing, increase in traffic, air pollutants, etc.). As such, Project impacts are not considered to be cumulatively considerable given the insignificance of project induced impacts. The impact is therefore less than significant with mitigation incorporated.

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

Less than Significant Impact with Mitigation Incorporated. The analyses of environmental issues contained in this Initial Study indicate that the project is not expected to have substantial impact on human beings, either directly or indirectly. Standard requirements that will be implemented through the entitlement process and the attached mitigation monitoring and reporting program have been incorporated in the project to reduce all potentially significant impacts to less than significant, including *Mitigation Measures AG-1, AQ-1, BIO-1, CUL-1, HAZ-1, HAZ-2, HAZ-3, NOI-1, and NOI-2*. Annexation-only parcels (020-120-11, -17) are consistent with the General Plan (Table 2-2), and no new impacts beyond the 2040 General Plan EIR are expected. Therefore, the Project would have a less than significant impact with mitigation incorporated.

5 MITIGATION MONITORING AND REPORTING PROGRAM

MITIGATION MONITORING AND REPORTING PROGRAM
HARVEST ESTATES SUBDIVISION (TENTATIVE SUBDIVISION MAP (TSM) NO. 2025-01, ANNEXATION (ANX) NO. 2025-01, GENERAL PLAN AMENDMENT (GPA) NO. 2025-01, REZONE (REZ) NO. 2025-01, ENVIRONMENTAL ASSESSMENT (ENV) NO. 2025-02)
SEPTEMBER 2025

This mitigation measure monitoring and reporting checklist was prepared pursuant to the California Environmental Quality Act (CEQA) Guidelines *Section 15097* and *Section 21081.6* of the Public Resources Code (PRC). The timing of implementing each mitigation measure is identified in in the checklist, as well as identifies the entity responsible for verifying that the mitigation measures applied to a Project are performed. Project proponents are responsible for providing evidence that mitigation measures are implemented. As lead agency, the City of Kerman is responsible for verifying that mitigation is performed/ completed.

Mitigation Measures	Party Responsible for Implementing Mitigation	Timing of Verification	Responsible for Verification	Verification of Completion	
				Date	Initials
Agriculture and Forestry Resources					
Mitigation Measure AG-1: Reduce Conflicts Between Urban and Agricultural Uses. In order to reduce potential conflicts between urban and agricultural uses, the following measures shall be implemented: 1. Potential residents shall be notified about possible exposure to agricultural chemicals at the time of purchase / lease of property within the development. Notification shall be provided by the project proponent to the potential resident. Notification shall occur at the time of each property sale or lease agreement, as demonstrated through disclosure statements included in the purchase agreements or lease documents, with a signed acknowledgement by the buyer/lessee. Verification that this notification process has been	1. Project Proponent 2. City of Kerman Community Development Department (Condition of Approval) and Project Proponent (Recordation) 3. Project Proponent	1. Prior to occupancy approval for each unit 2. Prior to final map approval 3. Prior to occupancy approval for each unit	City of Kerman Community Development Department		

consistently implemented shall be provided by the project proponent to the City of Kerman Community Development Department prior to the approval of occupancy for each property. 2. A Right-to-Farm Covenant shall be recorded on each parcel map and residential tract map or be made a condition of each tract map or parcel map to protect continued agricultural practices in the area. The City of Kerman Community Development Department shall be responsible for requiring the condition as part of the tentative map approval. The project proponent shall be responsible for ensuring the covenant is recorded. Verification of recording shall occur by the City of Kerman Community Development Department prior to the final map approval. *3.* Potential residents and commercial tenants shall be informed of the Right-to-Farm Covenant at the time of purchase / lease of property within the development. Notification shall be provided by the project proponent to the potential resident. Verification shall occur at the time of each property sale or lease agreement, as demonstrated through disclosure statements included in the purchase agreements or lease documents, with a signed acknowledgement by the buyer/lessee. Verification that this notification process has been consistently implemented shall be provided by the project proponent to the City of Kerman Community Development Department prior to the approval of occupancy.					

Air Quality					
Mitigation Measure AQ-1: During Project construction, the Project contractor or Project representatives shall ensure that all off-road diesel-powered construction equipment used for the grading and building construction phases meet the CARB Tier 4 emissions standards or equivalent.	Project Proponent	During Construction	City of Kerman Community Development Department		
Biological Resources					
Mitigation Measure BIO-1: In order to avoid the potential for impacts to bird species including migratory birds, the following measures shall be implemented in conjunction with the construction of each phase of the Project: Removal of the orchard trees and trees surrounding the residential homes shall be conducted between September 1 – January 31 to avoid tree removal during the nesting season. In the event tree removal is scheduled to occur between February 1 – August 31, then prior to tree removal, a survey for nesting migratory birds shall be completed by a qualified biologist to avoid impacts to occupied nests. Any occupied nest must be protected/avoided until after the young have fledged, as determined and monitored by a qualified biologist.	Project Proponent	Prior to issuance of building permits for each phase	City of Kerman Community Development Department		
Cultural Resources					
Mitigation Measure CUL-1: In order to avoid the potential for impacts to historic and prehistoric archaeological resources, the following measures shall be implemented in conjunction with the construction of each phase of the Project: If previously unknown historical, archeological, cultural, or paleontological resources are encountered before or during grading activities, construction shall stop in the immediate vicinity of the find and a qualified archeologist, historical	Project Proponent	During construction activities for all phases	City of Kerman Community Development Department		

resources specialist, or paleontologist, shall be consulted to determine whether the resource requires further study. Notification of discovery shall be provided to the City Community Development Department. The qualified archeologist, historical resources specialist, or paleontologist shall make recommendations to the project proponent on the measures that shall be implemented to protect the discovered resources, including but not limited to excavation of the finds and evaluation of the finds in accordance with Section 15064.5 of the CEQA Guidelines and City's policies and procedures related to historical, cultural, and paleontological resources. Notification of the measures shall be provided to the City Community Development Department. If the resources are determined to be unique historical resources as defined under Section 15064.5 of the CEQA Guidelines, measures shall be identified by the monitor and recommended to the project proponent, who shall notify the City Community Development Department. Appropriate measures for significant resources could include avoidance or capping, preservation in-place, recordation, additional archeological resting, incorporation of the site in green space, parks, or open space, or data recovery excavations of the finds. No further grading shall occur in the area of the discovery until the City Community Development Department approves the measures to protect these resources. Any historical, archeological, cultural, or paleontological artifacts recovered as a result of mitigation shall be provided to a City-					

approved institution or person who is capable of providing long-term preservation to allow future scientific study.					
Geology and Soils					
See **Mitigation Measure CUL-1.**	Project Proponent	During construction activities for all phases	City of Kerman Community Development Department		
Hazards and Hazardous Material					
Mitigation Measure HAZ-1: Asbestos Survey. Prior to the demolition or renovation of any existing structure on site, an Asbestos Survey shall be conducted to determine the quantity of asbestos-containing construction material to be removed in the Project. As regulated by National Emission Standards for Hazardous Air Pollutants (NESHAP), the inspection must be conducted by a Cal-OSHA Certified Asbestos Consultant (CAC). The Asbestos Survey report shall be submitted to the City of Kerman Community Development Department for review and approval. Alternatively, if the developer is opting to treat all of the material as RACM and will notify as such, the survey may be bypassed. A completed and signed Asbestos Notification Form must be submitted to the San Joaquin Valley Air Pollution Control District (SJVAPCD) 10 working days prior to the commencement of any regulated asbestos (RACM) abatement. If it is determined that there are asbestos-containing materials or soils on site, the developer shall utilize specialists/professionals for asbestos removal/abatement to reduce potential health risks to	Project Proponent	Prior to approval of demolition permits	City of Kerman Community Development Department		

construction workers. Demolition activities that would expose construction workers and/or the public to asbestos-containing materials shall be conducted in accordance with the applicable regulations, including, but not limited to: • San Joaquin Valley Air Pollution Control District • California Health and Safety Code (Section 39650 et seq.) • California Code of Regulations (Title 8, Section 1529) • California Occupational Safety and Health Administration regulations (California Code of Regulations, Title 8, Section 1529 [Asbestos] and Section 1532.1 [Lead]) • Code of Federal Regulations (Title 40, Part 61 [asbestos], Title 40, Part 763 [asbestos], and Title 29, Part 1926 [asbestos and lead])					
Mitigation Measure HAZ-2: Lead-Based Paint Inspection. Prior to the demolition of any existing structure on site, a lead-based paint inspection is required to determine whether the lead-based paint is present in or on the original building materials. The inspection shall be conducted on-site by a state-certified Lead Inspector or Assessor in accordance with the California Code of Regulations, Title 8, Section 1532.1. The investigation report shall be submitted to the City of Kerman Community Development Department for review and approval prior to issuance of a demolition permit. If it is determined that lead-based paint exists on site, the project proponent shall utilize professionals for lead-based paint removal to reduce potential health risks to	Project Proponent	Prior to approval of demolition permits	City of Kerman Community Development Department		

construction workers and/or the public. Pursuant Section 1532.1, construction workers must establish and implement a compliance program, and provide a written Pre-Job Notification to the nearest Division of Occupational Safety and Health Cal/OSHA office 24 hours before the start of a project.					
Mitigation Measure HAZ-3: Test for Agricultural Pesticides. Prior to building permit approval for the first construction phase, a Limited Subsurface Investigation (LSI) shall be conducted to assess the surface soil of the project site for residual organochlorine and lead arsenate pesticides. The LSI shall be conducted in accordance with guidelines developed by the Department of Toxic Substances Control (DTSC) and Environmental Protection Agency (EPA) for site assessments. The LSI shall estimate the potential threat to public health and the environment if concentrations of pesticides are encountered using methods outlined in DTSC's Preliminary Endangerment Assessment Guidance Manual and DTSC's Screening Level Human Health Risk Assessment guidance for implementing screening level risk analysis. The LSI shall be submitted to the City of Kerman Community Development Department for review and approval. If the testing reveals concentrations of organochlorine pesticides and lead arsenic above health-based screening levels for residential exposure, remediation of the site shall be required to address residual organochlorine and lead arsenate pesticides above health-based level of concern. Remediation may include excavation and disposal of impacted soil or capping elevated areas	Project Proponent	Prior to building permit approval for the first construction phase	City of Kerman Community Development Department		

beneath paved areas. The Construction Contractor shall implement the recommendations outlined in the LSI.					
Noise					
Mitigation Measure NOI-1: To ensure that exterior noise levels at future residential land uses within the project site do not exceed an L_{dn} of 60 dB due to transportation noise from adjacent roadways (N. Madera Avenue), a continuous, solid sound wall with a minimum height of six (6) feet above the finished project site grade shall be constructed along the project boundary adjacent to the applicable roadway(s). This shall be demonstrated through the project's site, grading, landscape, building, and other required plans and are subject to review and approval by the City of Kerman Community Development Department prior to issuance of building permits. Prior to issuance of occupancy for any noise-sensitive land uses located within the identified noise contours, the project proponent shall submit verification that confirms the as-built height and location of any constructed sound walls.	Project Proponent	Prior to issuance of building permit	City of Kerman Community Development Department		
Mitigation Measure NOI-2: The following mitigation measures and best management practices shall be applied during periods of project construction. Prior to issuance of building permits for all project phases, the project proponent shall include these measures and best management practices on the construction plans submitted to the City of Kerman Community Development Department. The Building Division shall verify that these measures and best	Project Proponent	Prior to issuance of building permit	City of Kerman Community Development Division		

management practices are included in the construction plans prior to approval of building permits. • **Adherence to City Ordinance:** Construction activities are strictly prohibited outside the hours of 7:00 am and 10:00 pm, as mandated by the City of Kerman Municipal Code. Any work outside these hours requires prior written approval from the City of Kerman's Planning and/or Building Division, demonstrating necessity and implementation of enhanced noise mitigation measures. • **Equipment Maintenance and Muffling:** All construction equipment shall be maintained in proper working order with effective muffling devices that meet or exceed manufacturer specifications for noise reduction. Documentation of equipment maintenance, including muffler checks, shall be kept on-site and made available for inspection. During inspections by the City of Kerman's Building Division, non-compliant equipment shall be tagged and prohibited from use until proper maintenance or muffling is implemented and verified by the City. • **Idling Reduction:** Noise-producing equipment shall not be left operating, running, or idling when not actively in use by construction personnel. Operators shall be instructed and regularly reminded to turn off equipment during periods of inactivity. This requirement shall be included in contractor agreements. • **Distance from Sensitive Receptors:** Noise-producing construction equipment shall be strategically located and operated as far as feasible from noise-sensitive land					

uses (e.g., residences, schools, hospitals, parks). Site plans submitted with the construction documents shall identify noise-sensitive areas and demonstrate how equipment placement maximizes distance. The City's review of the construction site plan will assess the proposed equipment locations relative to sensitive receptors. Any significant deviations during construction will require justification and potential relocation of equipment as directed by the City. • **Staging Area Location:** Construction staging areas, where equipment and materials are stored and where less intensive activities may occur, shall be located at the maximum possible distance from noise-sensitive land uses. The location of staging areas shall be clearly indicated on the construction site plan. The approved site plan will dictate the permissible locations for staging areas. Any unauthorized staging in closer proximity to sensitive receptors will require immediate relocation. • **Construction Hours Signage:** Clearly visible signs, in both English and Spanish, shall be posted at all construction site entrances and near adjacent sensitive receptors. These signs shall prominently display the permitted hours of construction activities and provide the name and contact phone number of a designated noise disturbance coordinator responsible for addressing noise complaints. The presence and legibility of these signs will be verified during initial site inspections and monitored throughout the construction period. Missing or inadequate signage will require immediate replacement. The contact information for the noise					

coordinator shall be provided to the City prior to the commencement of construction.					
Tribal Cultural Resources					
See Mitigation Measure CUL-1.	Project Proponent	During construction activities for all phases	City of Kerman Community Development Department		

6 REPORT PREPARATION

Names of Persons Who Prepared or Participated in the Initial Study:

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Noise Assessment	WJV Acoustics, Inc.	133 N. Church Street, Suite 203 Visalia, CA 93291 (559) 627-4923
Phase I Environmental Site Assessment	CREtelligent	11344 Coloma Road Gold River, CA 95670 (866) 901-7201
Traffic Impact Study	VRPA Technologies, Inc.	4630 W Jennifer, Suite 105 Fresno, CA 93722 (559) 259-9257

7 APPENDICES

7.1 Appendix A: Air Quality, Energy, and Greenhouse Gas Emissions Technical Memorandum

AIR QUALITY IMPACT ASSESSMENT



Kerman Harvest Estates Project

May 2025

Prepared by:

1077 N Willow Avenue, Suite 105, #893
Clovis, CA 93611
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EXECUTIVE SUMMARY

An Air Quality Impact Assessment (AQIA) must include a detailed statement setting forth mitigation measures, if applicable, proposed to minimize a project's significant environmental effects as required by the City of Kerman and Fresno County and the California Environmental Quality Act (CEQA) Guidelines. According to Appendix G of the CEQA Guidelines, prospective air quality impacts of a project shall be considered to confirm if the project will result in significant impacts on the environment.

This AQIA includes relevant information and analyses that address the air quality impacts of the Kerman Harvest Estates Project (Project). The Project's anticipated construction and operational emissions are evaluated to determine whether the Project would:

- Air Quality
    - Conflict with or obstruct implementation of the applicable air quality plan?
    - 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?
    - Expose sensitive receptors to substantial pollutant concentrations?
    - Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?
- Greenhouse Gas Emissions
    - Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
    - Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Air Quality Impacts

Conflict with or obstruct implementation of the applicable air quality plan?

Consistency with the SJVAPCD's air quality plan(s) would ensure a project is not in conflict with or obstructing the implementation of the air quality plan(s). As note previously the SJVAPCD has adopted various air quality plans including, the 2022 Plan for the 2015 8-Hour Ozone Standard, the 2016 Plan for the 2008 8-Hour Ozone Standard, the 2024 Plan for the 2012 Annual PM2.5 Standard, the 2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards, and the 2007 PM10 Maintenance Plan. A project would be consistent with the SJVAPCD's air quality plan(s) if the pollutants emitted from construction and operation of the project would not exceed the SJVAPCD emission thresholds or cause a significant impact on air quality. The SJVAPCD established the significance thresholds identified in Table 7 for purposes of determining if a project will have significant air quality impact.

The annual emissions from the construction phase of the Project will be less than the applicable SJVAPCD emission thresholds for criteria pollutants as shown in Table 8. The construction emissions are therefore considered less than significant with the implementation of the SJVAPCD applicable Regulation VIII control measures. Furthermore, the results of the analysis indicate that operational emissions from the Project will not exceed the SJVAPCD emissions threshold for any emissions as shown in Table 9. As a result, the Project will not conflict with or obstruct implementation of any air quality plans. Therefore, mitigation is not warranted since there is a ***less than significant impact*** as a result of 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?

The Fresno County area is nonattainment for Federal and State air quality standards for ozone, in attainment of Federal standards and nonattainment for State standards for PM10, and nonattainment for Federal and State standards for PM2.5. The SJVAPCD has prepared the 2022 Plan for the 2015 8-Hour Ozone Standard, the 2016 Plan for the 2008 8-Hour Ozone Standard, the 2024 Plan for the 2012 Annual PM2.5 Standard, the 2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards, and the 2007 PM10 Maintenance Plan to achieve Federal and State standards for improved air quality in the SJVAB regarding ozone and PM. Inconsistency with any of the plans would be considered a cumulatively adverse air quality impact.

Project specific emissions that exceed the thresholds of significance for criteria pollutants would be expected to result in a cumulatively considerable net increase of any criteria pollutant for which the City/County is in non-attainment under applicable federal or state ambient air quality standards. It should be noted that a project is characterized as cumulatively insignificant when project emissions fall below thresholds of significance. As discussed in Section 5.1, the SJVAPCD has established thresholds of significance for determining environmental significance which are provided in Table 7.

The results of the analysis, as discussed in Section 5.3.1, show that emissions generated from construction and operation of the Project will be less than the applicable SJVAPCD emission thresholds for criteria pollutants. As a result, the Project will not 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. Therefore, mitigation is not warranted since there is a ***less than significant impact*** as a result of the Project.

Expose sensitive receptors to substantial pollutant concentrations?

Short-Term (Construction) Impacts

Construction associated with the Project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the Project area include ozone precursor pollutants (i.e., ROG and NOX) and PM10 and PM2.5. Construction-generated emissions are temporary in nature, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SJVAPCD's thresholds of significance.

Construction-generated emissions associated with the Project were calculated using the CARB approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. Predicted construction emissions for the Project are summarized in Table 8. As shown in Table 8, all criteria pollutant emissions would remain below their respective thresholds during Project construction. Criteria pollutant emissions generated during Project construction would not expose adjacent sensitive receptors, depicted in Figure 8, to substantial pollutant concentrations. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project construction emissions.

Long-Term (Operational) Impacts

Criteria Pollutants

Operational air pollutant emissions were based on information provided by Project representatives and the estimated traffic trip generation for the Project. Operational emissions were estimated for the Project using the CalEEMod computer program and detailed results are included in Appendix A of this report. Predicted operational emissions for the Project are summarized in Table 9. As shown in Table 9, all criteria pollutant emissions would remain below their respective thresholds during Project operations. Criteria pollutant emissions generated during Project operations would not expose sensitive receptors, depicted in Figure 8, to substantial pollutant concentrations. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

Toxic Air Contaminants

Sensitive receptors are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. Figure 8 depicts sensitive receptors adjacent to the Project site. The SJVAPCD's *Guidance for Assessing and Mitigating Air Quality Impacts* identifies the need for projects to analyze the potential for adverse air quality impacts to sensitive receptors. From a health risk perspective, the Project is a Type B project in that it may potentially place sensitive receptors in the vicinity of existing toxic sources. The SJVAPCD's current thresholds of significance for TAC emissions from the operations of both permitted and non-permitted sources are presented below:

- Carcinogens: Maximally Exposed Individual risk equals or exceeds 20 in one million
- Chronic: Hazard Index equals or exceeds 1 for the Maximally Exposed Individual
- Acute: Hazard Index equals or exceeds 1 for the Maximally Exposed Individual

Exposure to various TAC's primarily occurs through inhalation. Cancer and non-cancer health risks are related to the exposure concentration of TACs generated in the vicinity of the Project site. The ambient concentration of TACs at the Project site is influenced by factors such as the emission rate, the distance from the emission source, the local wind speed and direction, the local topography, the land use, etc.

Estimate of Toxic Emissions

Project Construction

Construction-related activities would result in emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., demolition, clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, DPM is the primary toxic air contaminant of concern. Cancer risk was calculated using the most recent version of the Office of Environmental Health Hazard Assessment (OEHHA) guidelines for health risk assessments. TAC emissions associated with the construction of the Project were used to assess impacts to adjacent sensitive receptors as shown in Figure 8. It should be noted that emissions of diesel PM would be generated from different locations on the Project site rather than in a single location given that different types of construction activities would occur in various locations throughout the site. Table 10 shows the estimated DPM emissions from on-site construction equipment considering various construction phases. Table 11 and Table 12 show estimated construction emissions from on-site mobile sources and on-site idling from mobile sources. Tables 13 and 14 show the results of the analysis at adjacent sensitive receptors which represent the maximally exposed individuals. The TAC threshold of 10 in one million was used in lieu of the SJVAPCD's threshold of 20 in one million given the uncertainty in assessing cancer risk from construction (short-term) exposures. The OEHHA guidelines for health risk assessments discuss the use of a lower cancer risk threshold for risk management for short-term projects.

Results of the analysis show that TAC emissions at Receptor 4 (residence) and Receptor 5 (School) adjacent to the Project site would exceed the 10 in one million threshold from Project construction activities. Implementation of Mitigation Measure AQ-1 would be required to reduce substantial pollutant concentrations during Project construction.

- **Mitigation Measure AQ-1 -** During Project construction, the Project contractor or Project representatives shall ensure that all off-road diesel-powered construction equipment used for the grading and building construction phases meet the CARB Tier 4 emissions standards or equivalent.

Table 15 shows the estimated DPM emissions from on-site construction equipment considering Mitigation Measure AQ-1. Table 16 shows that there is a ***less than significant impact*** from Project construction emissions with implementation of Mitigation Measure AQ-1.

Project Operations

The characteristics of the Project are not consistent with the TAC source categories presented in Table 2. Therefore, Project operations will not expose sensitive receptors to substantial pollutant concentrations. Mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

The likelihood that a project might produce odors should be assessed per CEQA guidelines. Any project that has the potential to regularly subject people to offensive odors should be considered to have a major impact. Nuisance odors may be assessed qualitatively, taking into consideration project design elements and proximity to off-site receptors that would be potentially exposed to objectionable odors.

The potential significance of odor emissions depends on an odor source's strength and proximity to sensitive receptors. The types of facilities that are known to produce odors are shown in Table 3 along with a reasonable distance from the source within which, the degree of odors could possibly be significant. The characteristics of the Project are not comparable to the types of facilities listed in Table 3. As a result, emissions generated during Project construction and operations would not expose sensitive receptors to objectionable odors. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

Greenhouse Gas Impacts

Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Assembly Bill (AB) 32, also known as the Global Warming Solutions Act of 2006 (Nunez), expanded CARB's role to development and oversight of California's main GHG reduction programs. These include cap and trade, the Low Carbon Fuel Standard, and the zero-emission vehicle programs. AB 1279 (Muratsuchi) affirms California's plan to achieve net zero GHG emissions by the year 2045. In addition, the bill also mandates that statewide anthropogenic GHG emissions be reduced to at least 85% below the 1990 levels.

CARB's 2022 Scoping Plan lays forth a plan for achieving carbon neutrality goals and reducing anthropogenic GHG emissions by 85% below 1990 levels by 2045 as required by AB 1279. By implementing clean technologies and fuels, the plan's actions and results will result in significant decreases in the combustion of fossil fuels, further decreases in short-lived climate pollutants, support for sustainable development, increased action on working and natural lands to reduce emissions and sequester carbon, and the capture and storage of carbon.

Emissions Estimates

The estimated total GHG emissions during the construction phase of the Project is 360 MT CO_2e as shown in Table 8. Construction emissions amortized over a 30-year project lifetime (estimated) yield approximately 12.0 MT CO_2e per year as shown in Table 17. Total operational emissions combined with amortized construction emissions shows that the Project will generate 2,550.0 MT CO_2e per year.

The 2022 Scoping Plan recognizes three (3) methods for evaluating a projects alignment with the State's climate goals in CEQA GHG analyses. These methods can be used at the discretion of lead agencies for the purpose of determining if a project would have a potentially significant impact on GHG emissions. The three (3) methods are described below:

- Determine if the project includes key project attributes that reduce operational GHG emissions while simultaneously advancing fair housing;
- Determine if the project would result in net-zero GHG emissions;
- Assessment of a projects GHG impact by employing a threshold of significance recommended by the applicable air district or other lead agencies.

As documented in the 2022 Scoping Plan, the third method allows lead agencies to analyze GHG impacts of a project by utilizing thresholds of significance recommended by the SJVAPCD or other lead agencies. The SJVAPCD has not established specific thresholds of significance for GHG emissions.

While existing GHG emission thresholds developed by other lead agencies were based on consistency with meeting AB 32 goals, they provide some perspective on the GHG emissions generated by the Project. The CARB, Sacramento Metropolitan Air Quality Management District, and South Coast Air Quality Management District established GHG thresholds for their respective regions. Table 17 shows the yearly GHG emissions generated by the Project as determined by the CalEEMod model. The projected GHG emissions generated by the Project are less than the emissions thresholds identified by other lead agencies, reflecting between 25% and 36% of the identified thresholds. As a result, the Project will not generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

SB 375 requires MPOs to adopt a SCS or APS that will prescribe land use allocation in that MPO's regional transportation plan. CARB, in consultation with MPOs, has provided each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. For the Fresno COG region, CARB set targets at six (6) percent per capita decrease in 2020 and a thirteen (13) percent per capita decrease in 2035 from the base year of 2005.

Executive Order B-30-15 establishes a California greenhouse gas reduction target of 40 percent below 1990 levels by 2030 to ensure California meets its target of reducing greenhouse gas emissions to 80 percent below 1990 levels by 2050. AB 1279 (Muratsuchi) affirms California's plan to achieve net zero GHG emissions by the year 2045. In addition, the bill also mandates that statewide anthropogenic GHG emissions be reduced to at least 85% below the 1990 levels.

The 2022 Scoping Plan lays forth a plan for achieving carbon neutrality goals and reducing anthropogenic GHG emissions by 85% below 1990 levels by 2045 as required by AB 1279. By implementing clean technologies and fuels, the plan's actions and results will result in significant decreases in the combustion of fossil fuels, further decreases in short-lived climate pollutants, support for sustainable development, increased action on working and natural lands to reduce emissions and sequester carbon, and the capture and storage of carbon. Below is a list of applicable strategies in the Scoping Plan and the Project's consistency with those strategies.

- Achieve 100 percent Zero-Emission Vehicle (ZEV) sales of light-duty vehicles by 2035 and medium-heavy-duty vehicles by 2040.

    - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the commercial/retail development. The Project would not conflict or obstruct this reduction measure.

- Accelerate the reduction and replacement of fossil fuel production and consumption in California.

    - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the commercial/retail development. The Project would not conflict or obstruct this reduction measure.

The 2022 Scoping Plan recognizes three (3) methods for evaluating a projects alignment with the State's climate goals in CEQA GHG analyses. These methods can be used at the discretion of lead agencies for the purpose of determining if a project would have a potentially significant impact on GHG emissions. As described above, the projected GHG emissions generated by the Project are less than the emissions thresholds identified by other lead agencies, reflecting between 25% and 36% of the identified thresholds. The Project will not Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

1.0 INTRODUCTION

An Air Quality Impact Assessment (AQIA) must include a detailed statement setting forth mitigation measures, if applicable, proposed to minimize a project's significant environmental effects as required by the City of Kerman and Fresno County and the California Environmental Quality Act (CEQA) Guidelines. According to Appendix G of the CEQA Guidelines, prospective air quality impacts of a project shall be considered to confirm if the project will result in significant impacts on the environment.

This AQIA includes relevant information and analyses that address the air quality impacts of the Kerman Harvest Estates Project (Project). The Project's anticipated construction and operational emissions are evaluated to determine whether the Project would:

- Air Quality
    - Conflict with or obstruct implementation of the applicable air quality plan?
    - 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?
    - Expose sensitive receptors to substantial pollutant concentrations?
    - Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

- Greenhouse Gas Emissions
    - Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
    - Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

The Project has the potential to result in short-term air quality impacts due to construction activity. Air quality impacts associated with construction represent a short-term impact on ambient air quality levels and include activities such as site preparation, grading, and other construction-related activities. Long-Term impacts relate to the operation of the Project and include air quality emissions generated from site operations and increased traffic in the study area as a result of the Project.

1.1 Project Description

This AQIA evaluates air quality impacts associated with the Kerman Harvest Estates Project located in Kerman, CA. The Project, generally located at the southeast quadrant of Nielsen Avenue and Madera Avenue-State Route (SR) 145, comprises of approximately 31 acres of medium density residential or 185 single family homes and 21 acres of future general commercial (APNs 025-130-47,48 and 60S / Approximately 53 net acres in total). The Project proposes to change the land use configuration of the general plan to reorient the commercial and residential designated areas. The Project site is currently used for agricultural and is considered a Prime Farmland area. Figures 1 and 2 provide the regional and local context of the Project. Figure 3 depicts the Project Layout and Figure 4 depicts the site plan.

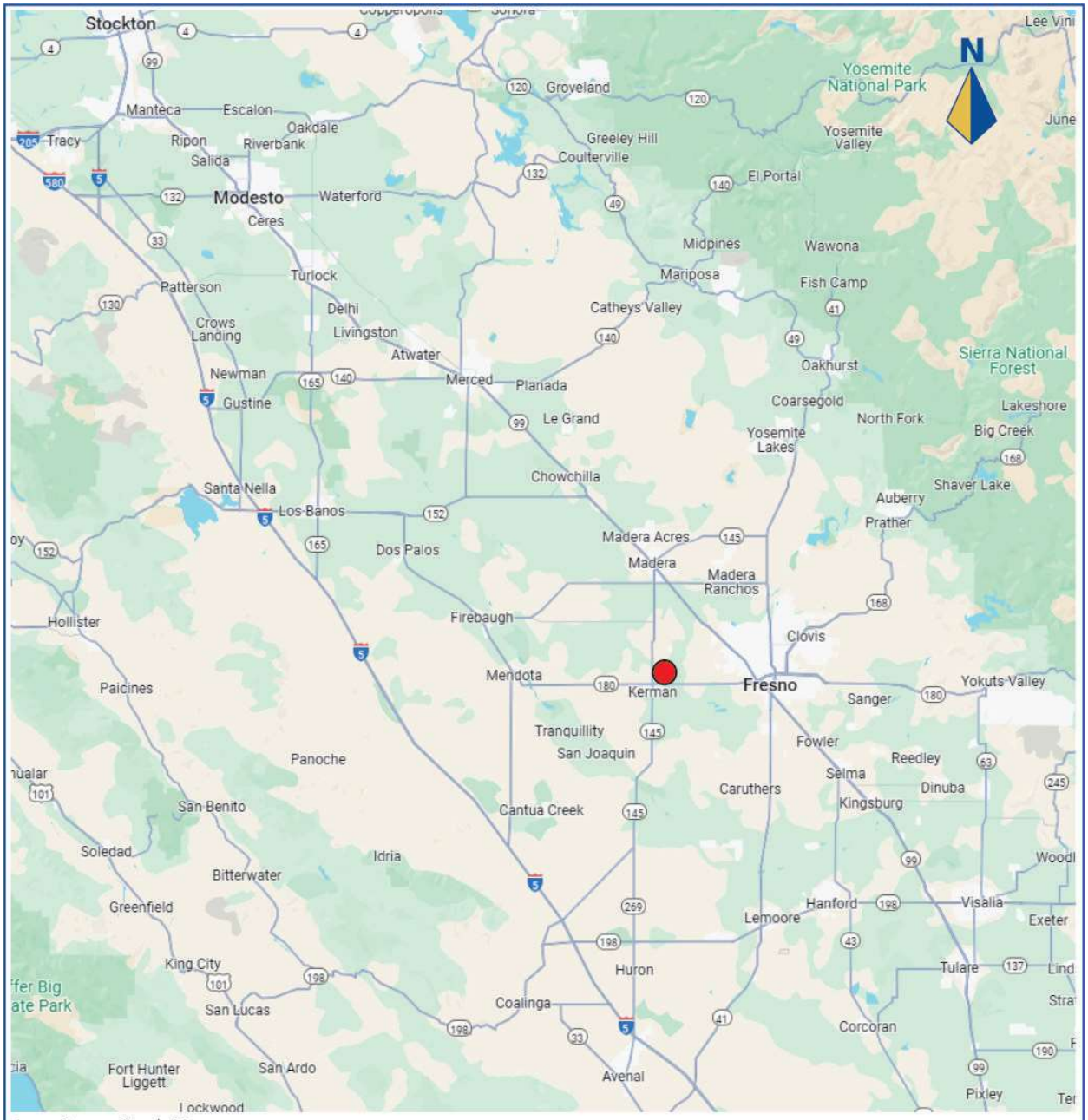


Image Source: Google Maps

Project Location

FIGURE 1
Regional Location

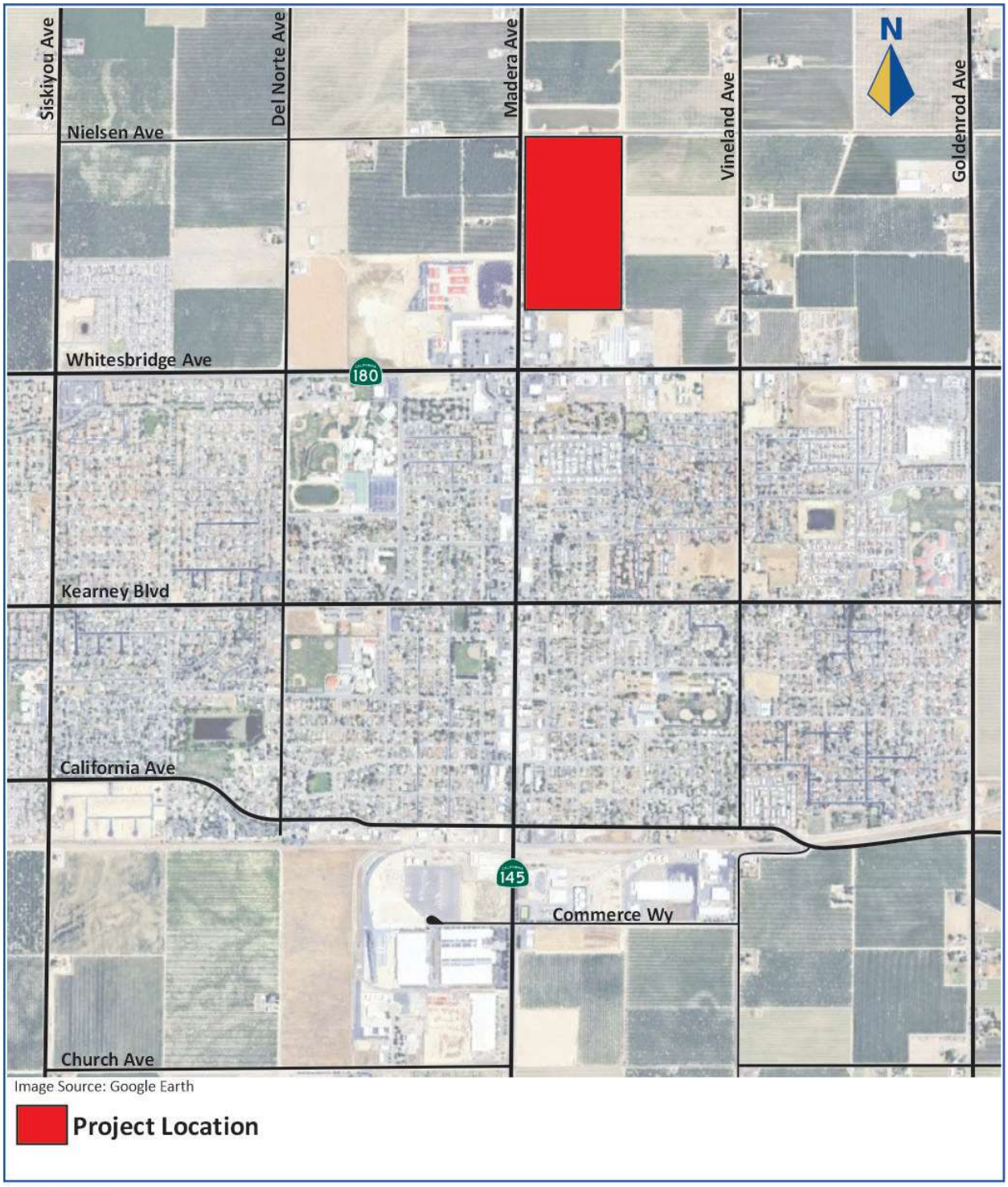


FIGURE 2
Project Location

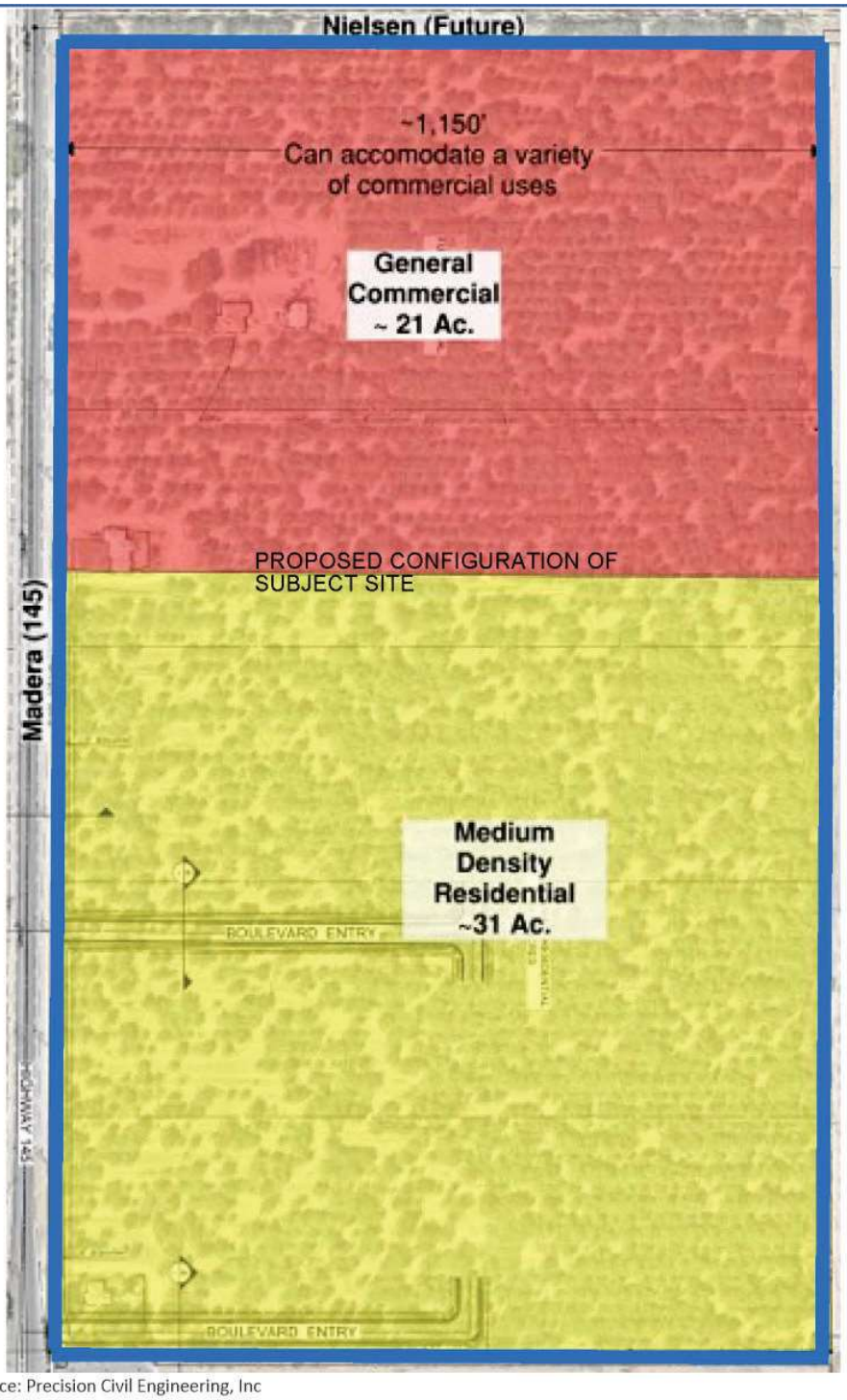


Image Source: Precision Civil Engineering, Inc

FIGURE 3

Project Layout

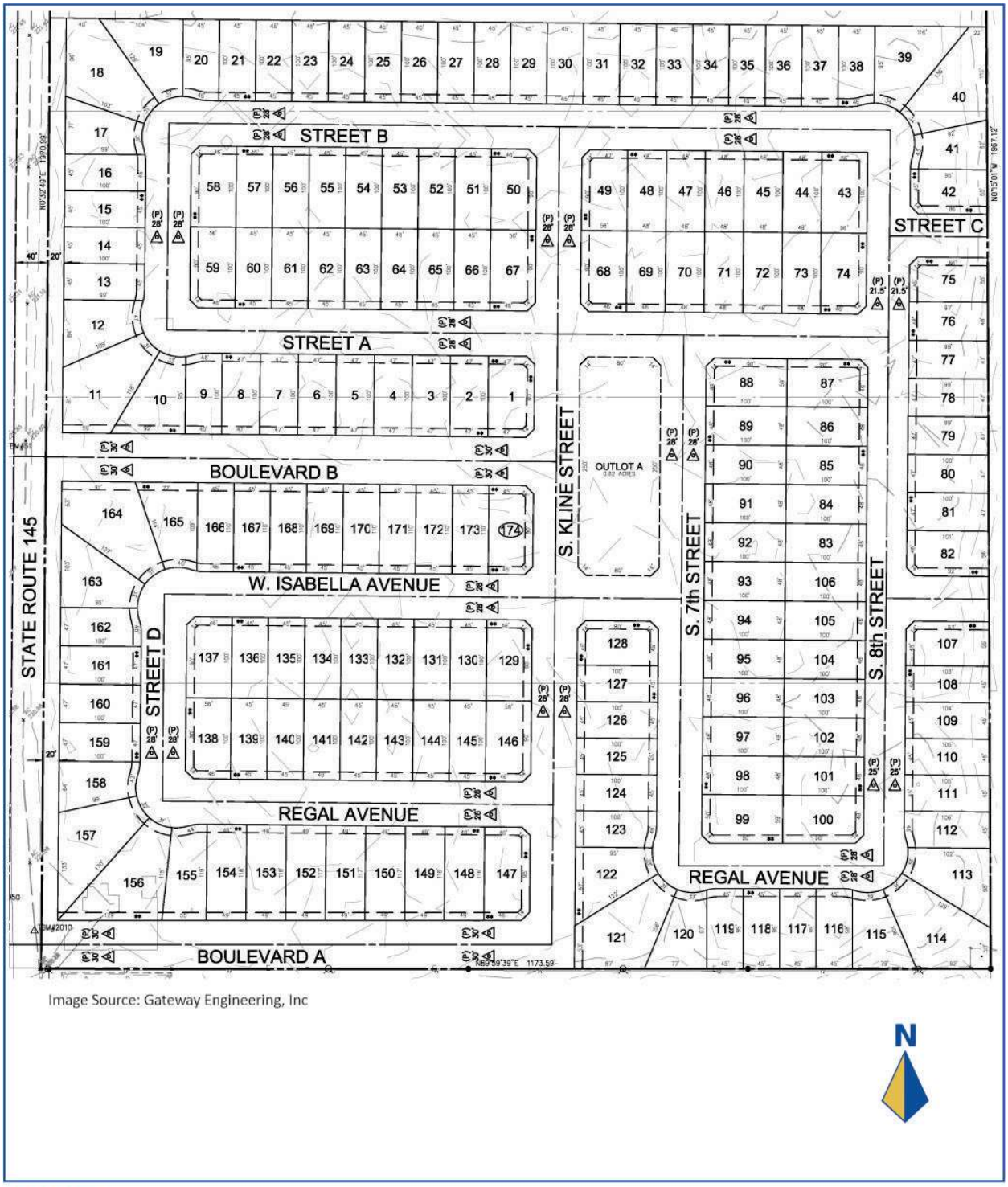


Image Source: Gateway Engineering, Inc

FIGURE 4
Project Site Plan

2.0 Air Quality

Air quality in a region is determined by the region's topography, meteorology, and existing air pollutant sources. These factors are discussed below, along with the current regulatory structure that applies to the San Joaquin Valley Air Basin (SJVAB), which encompasses the Project site pursuant to the regulatory authority of the San Joaquin Valley Air Pollution Control District (SJVAPCD).

2.1 Climate and Meteorology

Air quality is affected by the rate and location of pollutant emissions and by climatic conditions that influence the movement and dispersion of pollutants. Atmospheric conditions, such as wind speed, wind direction and air temperature gradients, along with local and regional topography, mediate the relationship between air pollutant emissions and air quality. As noted above, the Project is located within the SJVAB, which includes Fresno, Kern (western portion), Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare counties. A map of the SJVAB is provided in Figure 5.

The SJVAB is approximately 250 miles long and 35 miles in width and is bordered by the Coast Range Mountains on the west, the Sierra Nevada mountains on the east, and the Tehachapi Mountains to the south. Marine air, which often enters the Basin from the San Joaquin River Delta, causes the wind patterns found inside the SJVAB. The Tehachapi Mountains block airflow in from the south, the Coastal Range blocks wind entry into the Valley from the west, and the tall Sierra Nevada Mountain Range acts as a formidable barrier to the east. Weak airflow caused by these topographical factors is vertically constrained by high atmospheric pressure above the Valley. The SJVAB is hence extremely vulnerable to pollutant buildup over time. The majority of the mountains in the area are higher than summer inversion layers.

The SJVAB has a Mediterranean climate, which is characterized by infrequent rainfall and hot, dry summers. The SJVAB offers ideal ozone generation conditions given an average of 260 sunny days per year. Precipitation and fog in the Winter create optimal circumstances for particulate matter generation, even though they shield sunlight and reduce ozone levels.

2.2 Sources of Air Pollution

Air pollutant emissions in the SJVAB are generally caused by man-made sources, which encompass stationary and mobile sources. Stationary sources include point sources which are generally identified by an exhaust vent or stack (i.e., boilers). Area sources, such as residential and commercial water heaters, lawn mowers, and agricultural fields, are also categorized as stationary sources. Emissions from motor vehicles are characterized as mobile sources and include on-road (i.e., automobiles, trucks) and off-road (i.e., aircraft, ships, trains) sources. Air pollutants can also be generated by natural means, such as the suspending of fine dust particles via high winds.

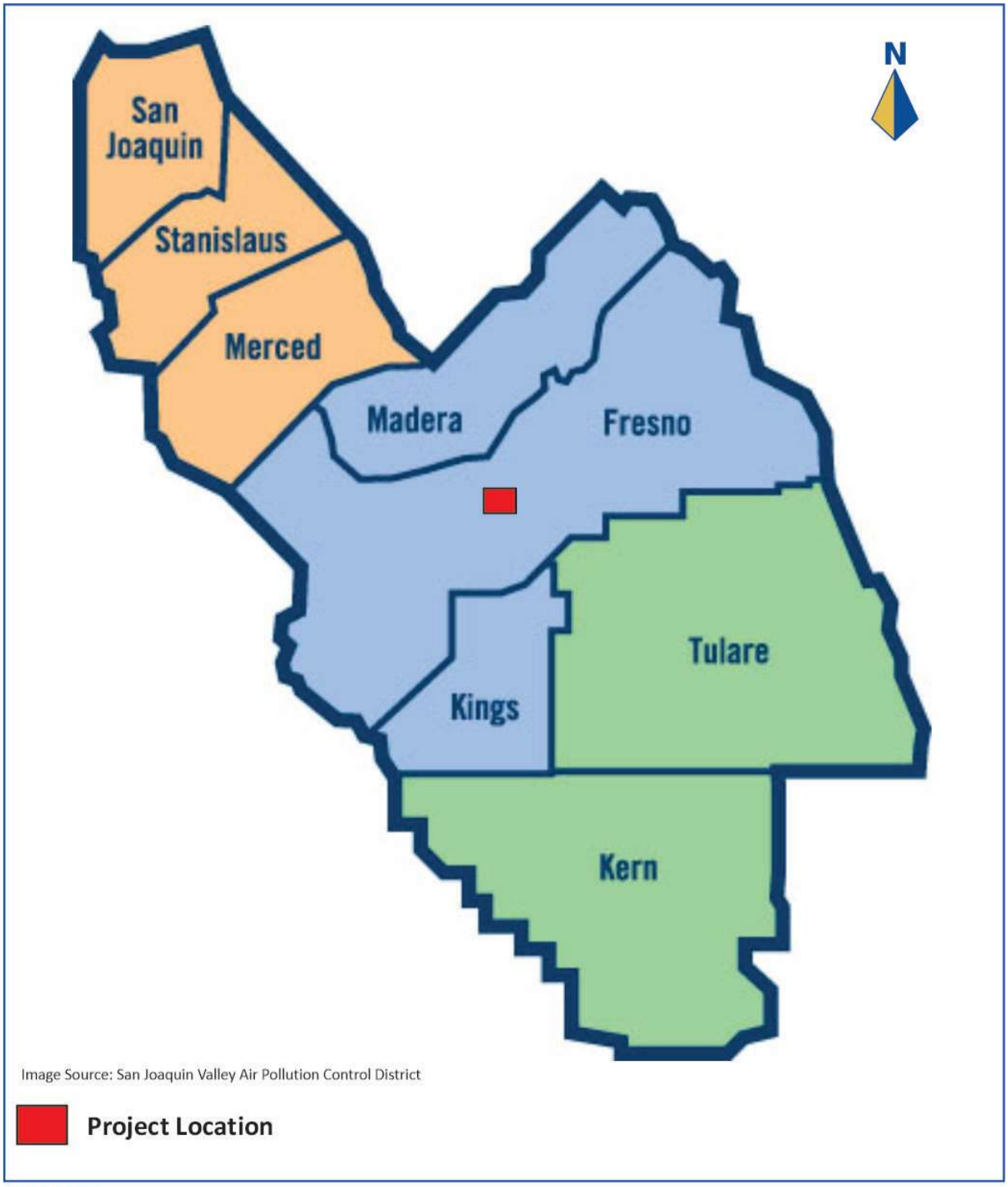


FIGURE 5
San Joaquin Valley Air Basin

2.3 Criteria Air Pollutants

The Clean Air Act requires the Environmental Protection Agency (EPA) to establish air quality standards for outdoor or ambient concentrations. National Ambient Air Quality Standards (NAAQS) have been identified for six (6) common air pollutants, referred to as "criteria pollutants". They are Ozone (O_3), course particulate matter (PM_{10}), fine particular matter ($PM_{2.5}$), carbon monoxide (CO), nitrogen dioxide (NO_2), and sulfur dioxide (SO_2). Of the six pollutants, particulate matter and ground-level ozone are the most widespread health threats. The health effects generally associated with the criteria pollutants are summarized in Table 1.

TABLE 1
CRITERIA AIR POLLUTANTS – SUMMARY OF COMMON SOURCES AND EFFECTS

POLLUTANT	MAJOR MAN-MADE SOURCES	HUMAN HEALTH AND WELFARE EFFECTS
CO	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust	Reduces the ability of blood to deliver oxygen to vital tissues, effecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
NO_2	A reddish-brown gas formed during fuel combustion for motor vehicles, energy utilities and industrial sources.	Respiratory irritant; aggravates lung and heart problems. Precursor to ozone and acid rain. Causes brown discoloration of the atmosphere.
O_3	Formed by a chemical reaction between reactive organic gases (ROGs) and nitrous oxides (NOx) in the presence of sunlight. Common sources of these precursor pollutants include motor vehicle exhaust, industrial emissions, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
PM_{10} and $PM_{2.5}$	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility (haze).
SO_2	A colorless, nonflammable gas formed when fuel containing sulfur is burned. Examples are refineries, cement manufacturing, and locomotives.	Respiratory irritant. Aggravates lung and heart problems. Can damage crops and natural vegetation. Impairs visibility.

Source: CAPCOA 2013

2.4 Toxic Air Contaminants

Toxic Air Contaminants (TACs) refer to a broad category of air pollutants that could result in an increase in fatalities or serious illnesses, potential risk to human health, or any combination of these. TACs are both organic and inorganic chemical substances that can be released from a range of everyday sources, such as gasoline stations, automobiles, dry cleaners, industrial operations, painting operations, and research and educational facilities. TACs are considered either carcinogenic or noncarcinogenic based on the nature of the health effects associated with exposure to the pollutant. For regulatory purposes, carcinogenic TACs are assumed to have no safe threshold below which health impacts would not occur, and cancer risk is expressed as excess cancer cases per one million exposed individuals. Non-carcinogenic

TACs differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur.

Most of the estimated health risk from TACs, according to the California Air Resources Board's (CARB) *California Almanac of Emissions and Air Quality* (2005), can be attributable to a small number of compounds. The most significant of which is PM from diesel-fueled engines, which is known as diesel particulate matter (DPM). Diesel exhaust has hundreds of different gaseous and particulate components, many of which are harmful, and has been classified as a human carcinogen. Diesel particles are so small that they penetrate deep into the lungs. According to studies, diesel PM concentrations are significantly greater near busy intersections and roads. Heavy-duty vehicles and off-road construction equipment are main sources of diesel-related emissions. The CARB's *Air Quality and Land Use Handbook* (2005) provides recommendations for siting new sensitive land uses within proximity to facilities known to generate TACs, as depicted in Table 2.

Acute diesel exhaust exposure may irritate the eyes, nose, throat, and lungs, as well as certain neurological consequences like lightheadedness. A cough or nausea may also be brought on by acute exposure, which can potentially make asthma worse. Experimental animal inhalation studies with chronic exposure have revealed a variety of dose-dependent lung cellular alterations, lung inflammation, and immunological consequences from diesel exhaust. There is substantial data, based on both human and laboratory studies, showing diesel exhaust is almost certainly carcinogenic. Studies on human epidemiology show a link between occupational exposure to diesel exhaust and a higher incidence of lung cancer.

2.5 Odors

The likelihood that a project might produce odors should be assessed per CEQA guidelines. Any project that has the potential to regularly subject people to offensive odors should be considered to have a major impact. Nuisance odors may be assessed qualitatively, taking into consideration project design elements and proximity to off-site receptors that potentially would be exposed objectionable odors.

The potential significance of odor emissions depends on an odor source's strength and proximity to sensitive receptors. Various facilities that have been reported to cause odors in the SJVAB have been identified by the SJVAPCD, as shown in Table 3.

Careful examination should be given to odor impacts on residential areas and other sensitive receptors, such as hospitals, daycare centers, and schools. Other land uses where people may congregate, such as recreational facilities, work sites, and commercial areas, should also be considered. The following two scenarios should be examined for potential odor effects:

- Generators – projects that would potentially generate odorous emissions proposed to locate near existing sensitive receptors or other land uses where people may congregate, and
- Receivers – residential or other sensitive receptor projects or other projects built for the intent of attracting people locating near existing odor sources.

TABLE 2
RECOMMENDATIONS ON SITING NEW SENSITIVE LAND USES SUCH AS RESIDENCES, SCHOOLS, DAYCARE CENTERS, PLAYGROUNDS, OR MEDICAL FACILITIES*

SOURCE CATEGORY	ADVISORY RECOMMENDATIONS
Freeways and High-Traffic Roads[1]	- Avoid siting new sensitive land uses within 500 feet of a freeway, urban roads with 100,000 vehicles/day, or rural roads with 50,000 vehicles/day.
Distribution Centers	- Avoid siting new sensitive land uses within 1,000 feet of a distribution center (that accommodates more than 100 trucks per day, more than 40 trucks with operating transport refrigeration units (TRUs) per day, or where TRU unit operations exceed 300 hours per week). - Take into account the configuration of existing distribution centers and avoid locating residences and other new sensitive land uses near entry and exit points.
Rail Yards	- Avoid siting new sensitive land uses within 1,000 feet of a major service and maintenance rail yard. - Within one mile of a rail yard, consider possible siting limitations and mitigation approaches.
Ports	- Avoid siting of new sensitive land uses immediately downwind of ports in the most heavily impacted zones. Consult local air districts or the ARB on the status of pending analyses of health risks.
Refineries	- Avoid siting new sensitive land uses immediately downwind of petroleum refineries. Consult with local air districts and other local agencies to determine an appropriate separation.
Chrome Platers	- Avoid siting new sensitive land uses within 1,000 feet of a chrome plater.
Dry Cleaners Using Perchloroethylene	- Avoid siting new sensitive land uses within 300 feet of any dry cleaning operation. For operations with two or more machines, provide 500 feet. For operations with 3 or more machines, consult with the local air district. - Do not site new sensitive land uses in the same building with perchloroethylene dry cleaning operations.
Gasoline Dispensing Facilities	- Avoid siting new sensitive land uses within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater). A 50 foot separation is recommended for typical gas dispensing facilities.

1: The recommendation to avoid siting new sensitive land uses within 500 feet of a freeway was identified in CARB's Air Quality and Land Use Handbook published in 2005. CARB recently published a technical advisory to the Air Quality and Land Use Handbook indicating that new research has demonstrated promising strategies to reduce pollution exposure along transportation corridors.

*Notes:
- These recommendations are advisory. Land use agencies have to balance other considerations, including housing and transportation needs, economic development priorities, and other quality of life issues.
- Recommendations are based primarily on data showing that the air pollution exposures addressed here (i.e., localized) can be reduced as much as 80% with the recommended separation.
- The relative risk for these categories varies greatly (see Table 1-2). To determine the actual risk near a particular facility, a site-specific analysis would be required. Risk from diesel PM will decrease over time as cleaner technology phases in.
- These recommendations are designed to fill a gap where information about existing facilities may not be readily available and are not designed to substitute for more specific information if it exists. The recommended distances take into account other factors in addition to available health risk data (see individual category descriptions).
- Site-specific project design improvements may help reduce air pollution exposures and should also be considered when siting new sensitive land uses.
- This table does not imply that mixed residential and commercial development in general is incompatible. Rather it focuses on known problems like dry cleaners using perchloroethylene that can be addressed with reasonable preventative actions.
- A summary of the basis for the distance recommendations can be found in the ARB Handbook: Air Quality and Land Use Handbook: A Community Health Perspective.

Source: SJVAPCD 2025

TABLE 3
SCREENING LEVELS FOR POTENTIAL ODOR SOURCES

TYPE OF FACILITY	DISTANCE
Wastewater Treatment Facilities	2 miles
Sanitary Landfill	1 mile
Transfer Station	1 mile
Compositing Facility	1 mile
Petroleum Refinery	2 miles
Asphalt Batch Plant	1 mile
Chemical Manufacturing	1 mile
Fiberglass Manufacturing	1 mile
Painting/Coating Operations (e.g. auto body shops)	1 mile
Food Processing Facility	1 mile
Feed Lot/Dairy	1 mile
Rendering Plant	1 mile

Source: SJVAPCD 2025

2.6 Greenhouse Gas Emissions

Gases that absorb and re-emit infrared radiation in the atmosphere are called Greenhouse Gases (GHGs). The gases widely seen as the principal contributors to human-induced climate change include CO2, methane (CH4), nitrous oxides (N2O), fluorinated gases such as hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs), and sulfur hexafluoride (SF6). Water vapor is excluded from the list of GHGs because it is short-lived in the atmosphere, and natural processes, such as oceanic evaporation, largely determine its atmospheric concentrations. Of these gases, CO2 and CH4 are emitted in the greatest quantities from human activities. Emissions of CO2 are usually by-products of fossil fuel combustion, and CH4 results from off-gassing associated with agricultural practices and landfills. Human-made GHGs, many of which have greater heat-absorption potential than CO2, include fluorinated gases and SF6 (U.S. EPA 2021). A description of the principal contributors to human-induced climate change are described below[1]. Figure 6 illustrates GHG emissions by economic sector in the United States.

- **Carbon Dioxide (CO2):** Carbon dioxide enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and because of other chemical reactions (e.g., manufacture of cement, asphalt paving, truck trips). Carbon dioxide is also removed from the atmosphere (or "sequestered") when it is absorbed by plants as part of the biological carbon cycle.
- **Methane (CH4):** Methane is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and by the decay of organic waste in municipal solid waste landfills.
- **Nitrous Oxide (N2O):** Nitrous oxide is emitted during agricultural and industrial activities, as well as during combustion of fossil fuels and solid waste; as well as during treatment of wastewater.
- **Fluorinated Gases:** Hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride are synthetic, powerful greenhouse gases that are emitted from a variety of industrial processes. Fluorinated gases (especially hydrofluorocarbons) are sometimes used as substitutes for stratospheric ozone-depleting substances (e.g., chlorofluorocarbons, hydrochlorofluorocarbons, and halons). Fluorinated gases are typically emitted in smaller quantities than other greenhouse gases, but they are potent greenhouse gases. With global warming potentials (GWPs) that typically range from thousands to tens of thousands, they are sometimes referred to as high-GWP gases because, for a given amount of mass, they trap substantially more heat than CO2.

[1] https://www.epa.gov/ghgemissions/overview-greenhouse-gases

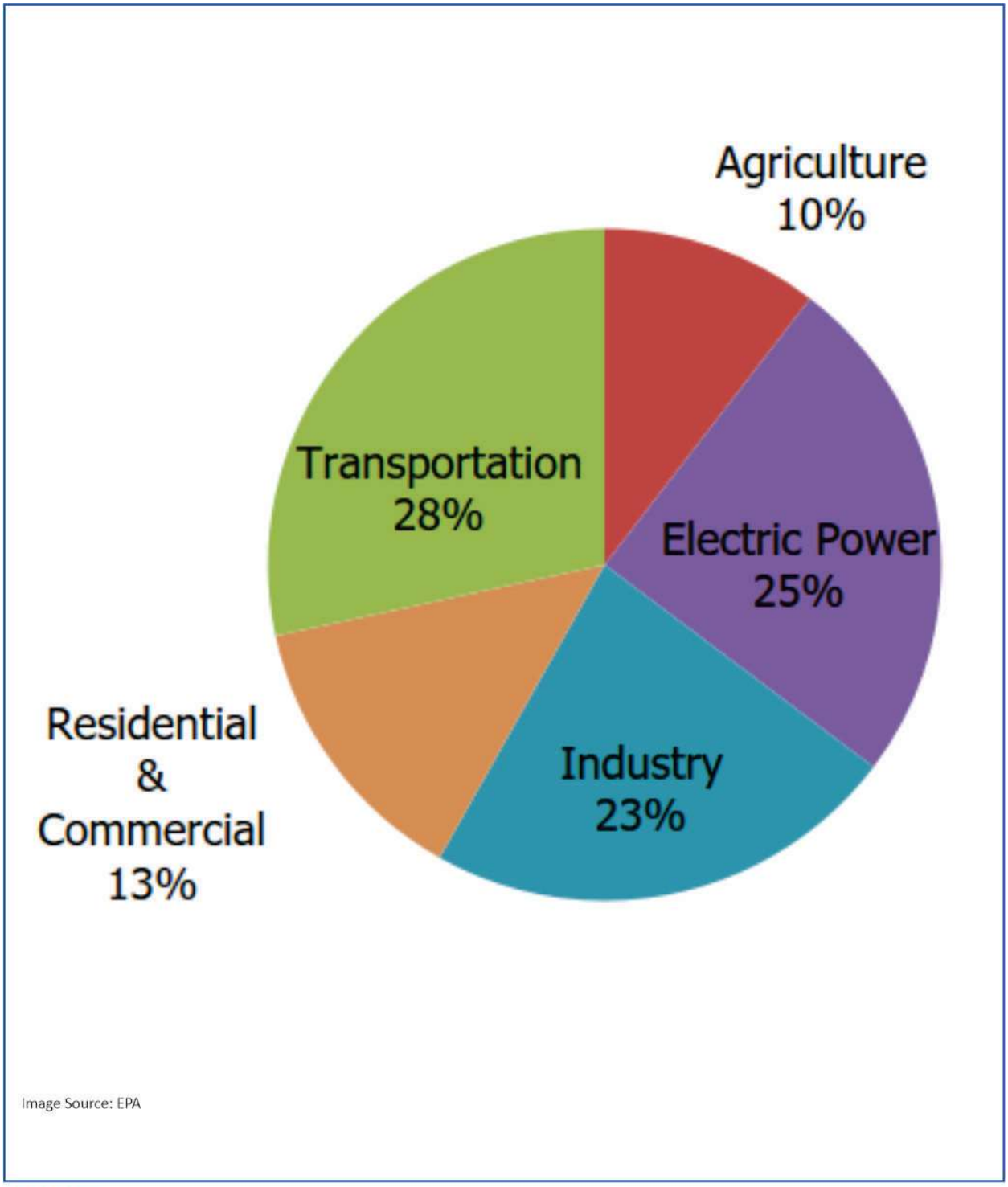


FIGURE 6

2022 Total U.S. Greenhouse Gas Emissions by Economic Sector

3.0 Regulatory Setting

3.1 Federal

The US Environmental Protection Agency (EPA) is the federal agency with significant influence on air quality policy and initiatives. The EPA regulates emission sources that are under the exclusive authority of the federal government, such as aircraft, ships, and certain locomotives. As part of its enforcement responsibilities, the EPA requires each state with nonattainment areas to prepare and submit a State Implementation Plan (SIP) describing a strategy for the means to attain the federal standards for ozone and particulate matter. The SIP must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution, using a combination of performance standards and market-based programs.

3.1.1 Clean Air Act

The federal Clean Air Act, as amended, establishes the National Ambient Air Quality Standards (NAAQS) for several pollutants. These standards are divided into primary standards and secondary standards. Primary standards are designed to protect public health, and secondary standards are intended to protect public welfare from effects such as visibility reduction, soiling, nuisance, and other forms of damage. The Clean Air Act requires that regional plans be prepared for nonattainment areas that illustrate how the federal air quality standards could be met.

Regulation of TACs is achieved through federal and state controls on individual sources. The 1990 Clean Air Act Amendments offered a comprehensive plan for achieving significant reduction in both mobile and stationary source emissions of certain designated hazardous air pollutants, with a goal of achieving the EPA's one in 1 million cancer risk from TACs.

3.1.2 1990 Amendments to the Federal Clean Air Act

The 1990 amendments to the federal Clean Air Act included a provision to address air toxics. Under Title III of the federal Clean Air Act, the U.S. EPA establishes and enforces National Emission Standards for Hazardous Air Pollutants, which are national uniform standards oriented toward controlling particular hazardous air pollutants. Section 112(b) of the federal Clean Air Act identifies 189 "Air Toxics" (hazardous air pollutants), directs U.S. EPA to identify sources of the 189 pollutants, and establishes a 10-year time period for the U.S. EPA to issue technology-based emissions standards for each source category. Title III of the federal Clean Air Act provides for a second phase under which the U.S. EPA is to assess residual risk after the implementation of the first phase of standards and impose new standards, when appropriate, to protect public health.

3.1.3 Energy Policy Act of 1992

The Energy Policy Act of 1992 (EPAct) was established in order to diminish the nation's reliance on foreign oil and enhance air quality. The EPAct contains a number of sections that are designed to create an inventory of alternative fuel vehicles (AFVs) in sizable, centrally-fueled fleets in urban areas. A percentage of light duty AFVs that can run on alternative fuels must be purchased by certain federal, state, local, and private fleets each year under the terms of EPAct. The EPAct also contains financial incentives. Businesses and individuals will be able to use federal tax deductions to offset the increased cost of AFVs.

3.2 State

The State of California Air Resources Board (CARB) sets laws and regulations for air quality on the state level. In this capacity, CARB conducts research and sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB also establishes emissions standards for motor vehicles sold in California, consumer products (i.e., hairspray, aerosol paints), and various types of commercial equipment. Table 4 identifies both the NAAQS and CAAQS.

3.2.1 California Clean Air Act

The California Clean Air Act (CCAA) was enacted in 1988 (California Health & Safety Code Section 39000 et seq.) and amended in 1992. The CAAQS are generally more stringent than the corresponding federal standards and incorporate additional standards for sulfates, hydrogen sulfide, vinyl chloride and visibility reducing particles (see Table 4). Air basins or areas that exceed the CAAQS are designated non-attainment until compliance is disclosed in an attainment plan. In California, CARB is responsible for meeting the State requirements of the federal CAA, administering the California CAA, and establishing the California ambient air quality standards (CAAQS). The California CAA, as amended in 1992, requires all air districts in the State to endeavor to achieve and maintain the CAAQS. CARB oversees the functions of local air pollution control districts and air quality management districts, which in turn administer air quality activities at the regional and county level.

3.2.2 Assembly Bill 32

Assembly Bill (AB) 32, also known as the Global Warming Solutions Act of 2006 (Nunez), expanded CARB's role to development and oversight of California's main GHG reduction programs. These include cap and trade, the Low Carbon Fuel Standard, and the zero-emission vehicle programs. With the passage of additional laws (such as Senate Bill [SB] 32 in 2016 and AB 398 in 2017), CARB continues to map out how these programs and others can help California reach its next statutory target: reducing GHG emissions an additional 40 percent below 1990 levels by 2030. Reductions in GHG emissions are tied to improvements in air quality.

TABLE 4
AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3) [8]	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	--	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
Respirable Particulate Matter (PM10) [9]	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		--		
Fine Particulate Matter (PM2.5) [9]	24 Hour	--	--	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	9.0 µg/m^3	15 µg/m^3	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	--	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	--	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		--	--	
Nitrogen Dioxide (NO_2) [10]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	--	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		0.053 ppm (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2) [11]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	--	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	--		--	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for cetain areas) [11]	--	
	Annual Arithmetic Mean	--		0.030 ppm (for cetain areas) [11]	--	
Lead [12,13]	30 Day Average	1.5 µg/m^3	Atomic Absorption	--	--	High Volume Sampler and Atomic Absorption
	Calendar Quarter	--		1.5 µg/m^3 (for certain areas) [11]	Same as Primary Standard	
	Rolling 3-Month Average	--		0.15 µg/m^3		
Visibility Reducing Particles [14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride [12]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

Footnotes:

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1and 24 hour), nitrogen dioxide, and particulate matter (PM 10, PM 2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM 10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m3 is equal to or less than one. For PM 2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An " equivalent method" of measurement may be used but must have a " consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On February 7, 2024, the national annual PM 2.5 primary standard was lowered from 12.0 µg/m3 to 9.0 µg/m3. The existing national 24hour PM 2.5 standards (primary and secondary) were retained at 35 µg/m3, as was the annual secondary standard of 15.0 µg/m3. The existing 24-hour PM 10 standards (primary and secondary) of 150 µg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971standards, the 1971standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved. Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Source: CARB, 2025

3.2.3 Assembly Bill 1493

Assembly Bill (AB) 1493, enacted in 2002, required that the CARB develop and adopt regulations to achieve the maximum feasible and cost-effective reduction of GHG emissions from motor vehicles.

3.2.4 Senate Bill 1020: Clean Electricity

Senate Bill (SB) 1020 codifies into law a state policy that eligible renewable energy resources and zero-carbon resources supply: 1) 90% of all retail sales of electricity to California end-use customers by December 31, 2035, 95% by December 31, 2040, and 100% by December 31, 2045; and 2) 100% of electricity procured to serve all State agencies by December 31, 2035. To achieve these objectives, SB 1020 requires that CARB and the California Energy Commission (CEC) use unspecified programs authorized under existing statutes and employ measures to ensure that implementation of the policy does not cause increases in GHG emissions elsewhere, a concept also known as leakage.

3.2.5 Senate Bill 375

SB 375, signed in September 2008, aligns regional transportation planning with GHG reduction targets and land use allocation. It requires Metropolitan Planning Organizations (MPOs) to adopt a sustainable communities strategy (SCS) or alternative planning strategy (APS). CARB has set GHG reduction targets for passenger cars and light trucks for each region for 2020 and 2035. For the Fresno COG region, the targets are a 6% per capita decrease by 2020 and a 13% per capita decrease by 2035 from the 2018 base year. The Fresno COG 2022 RTP/SCS projects that these emissions targets will be met.

The law also extends the regional housing needs allocation cycle from five years to eight years for qualifying MPOs. While local land use policies do not need to align with the regional transportation plan, CEQA offers incentives for projects consistent with an approved SCS or APS, known as "transit priority projects."

3.2.6 Senate Bill 32

SB 32, signed into law on September 8, 2016, by Governor Brown, expands California's AB 32 to further reduce greenhouse gas (GHG) emissions. It mandates a reduction in GHG emissions to 40% below 1990 levels by 2030, as outlined in Executive Order B-30-15. The California Air Resources Board (CARB) oversees this goal. SB 32 was added to Section 38566 of the Health and Safety Code and took effect on January 1, 2017. It builds on AB 32, which required reducing emissions to 1990 levels by 2020, and provides an intermediate target between the 2020 and 2050 goals set in Executive Order S-3-05.

3.2.7 Executive Order B-30-15

Executive Order B-30-15, signed by Governor Brown in 2016, sets a goal to reduce California's greenhouse gas emissions by 40% below 1990 levels by 2030 and 80% by 2050. It mandates MPOs to implement measures to achieve these targets.

3.3 Regional

The SJVAPCD is the agency responsible for monitoring and regulating air pollutant emissions from stationary, area, and indirect sources within Fresno County and throughout the SJVAB. The SJVAPCD also has responsibility for monitoring air quality and setting and enforcing limits for source emissions. CARB is the agency with the legal responsibility for regulating mobile source emissions. The SJVAPCD is precluded from such activities under State law.

The SJVAPCD has developed plans to attain State and Federal standards for ozone and particulate matter. The SJVAPCD's air quality plans include emissions inventories to measure the sources of air pollutants, to evaluate how well different control methods have worked, and to show how air pollution will be reduced.

- 2022 Plan for the 2015 8-Hour Ozone Standard - The District adopted the 2022 Plan for the 2015 8-Hour Ozone Standard in December 2022. This plan satisfies Clean Air Act requirements and ensures attainment of the 70 parts per billion 8-hour ozone standard.

- 2016 Plan for the 2008 8-Hour Ozone Standard - The District adopted the 2016 Plan for the 2008 8-Hour Ozone Standard in June 2016. This plan satisfies Clean Air Act requirements and ensures expeditious attainment of the 75 parts per billion 8-hour ozone standard.

- 2024 Plan for the 2012 Annual PM2.5 Standard - The District adopted the 2024 Plan for the 2012 Annual PM2.5 Standard in June 2024. This plan satisfies Clean Air Act requirements and ensures attainment of the federal health-based 2012 NAAQS for PM2.5.

- 2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards - The District adopted the 2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards on November 15, 2018. This plan addresses the EPA federal 1997 annual PM2.5 standard of 15 µg/m³ and 24-hour PM2.5 standard of 65 µg/m³; the 2006 24-hour PM2.5 standard of 35 µg/m³; and the 2012 annual PM2.5 standard of 12 µg/m³.

- 2007 PM10 Maintenance Plan - The District adopted the 2007 PM10 Maintenance Plan in September 2007 to assure the San Joaquin Valley's continued attainment of EPA's PM10 standard. EPA designated the Valley as an attainment/maintenance area for PM10.

3.3.1 District Regulation VIII (Fugitive PM10 Prohibition)

The purpose of Regulation VIII (Reg. VIII) is to reduce ambient concentrations of fine particulate matter (PM10) by requiring actions to prevent, reduce or mitigate anthropogenic fugitive dust emissions. Reg. VIII requires property owners, contractors, developers, equipment operators, farmers and public agencies to control fugitive dust emissions from specified outdoor fugitive dust sources. It specifies the following measures to control fugitive dust:

- Apply water to unpaved surfaces and area
- Use non-toxic chemical or organic dust suppressants on unpaved roads and traffic areas
- Limit or reduce vehicle speed on unpaved roads and traffic areas

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

Regulation of TACs is achieved through federal and state controls on individual sources. The 1990 Clean Air Act Amendments offered a comprehensive plan for achieving significant reduction in both mobile and stationary source emissions of certain designated hazardous air pollutants, with a goal of achieving the EPA's one in 1 million cancer risk from TACs.

3.3.2 District Rule 9510 (Indirect Source Review)

District Rule 9510 (ISR) is intended to reduce a project's impact on air quality through project design elements or mitigation by payments of applicable off-site mitigation fees. Compliance with Rule 9510 will reduce construction exhaust NOx and PM10 emissions by 20 percent and 45 percent respectively. Compliance with Rule 9510 will reduce operational emissions of NOx and PM10 emissions by 33.3 percent and 50 percent respectively.

3.4 Local

3.4.1 City of Kerman General Plan

The Public Health and Safety section of the City of Kerman's General Plan provides air quality guidelines for the City and establishes the following implementing policies that would be applicable to the Project:

- **Policy PH-7.4 – Construction Best Management Practices**. The City shall require new projects to incorporate economically feasible SJVAPCD construction best management practices as conditions of approval, if the project exceeds the most recent SJVAPCD SPAL screening levels at the time of preparation.
- **Policy PH-7.6 – Incentives for Air Pollution Reductions in New Projects**. The City shall provide incentives for new projects, particularly new multifamily residential buildings and other sensitive land uses, to incorporate design features that achieve good indoor air quality above and beyond State and Federal requirements.

- **Policy PH-7.7** – **Public Education and Awareness**. The City shall support programs that educate the public on climate change and encourage residents and businesses to become involved in activities and lifestyle changes that will aid in reduction of greenhouse gas emissions.

3.4.2 Fresno County General Plan

The Open Space and Conservation Element of Fresno County's General Plan provides air quality guidelines for Fresno County and establishes the following goals and policies that would be applicable to the Project:

- **Goal HS-G** – To improve air quality and minimize the adverse effects of air pollution in Fresno County.
    - **Policy OS-G.1** – The County shall develop standard methods for determining and mitigating project air quality impacts and related thresholds of significance for use in environmental documents. The County will do this in conjunction with the SJVAPCD and the cities in Fresno County.
    - **Policy OS-G.2** – The County shall ensure that air quality impacts identified during the CEQA review process are fairly and consistently mitigated. The County shall require projects to comply with the County's adopted air quality impact assessment and mitigation procedures.

4.0 Existing Conditions

As noted above, the Project is located in the SJVAB which encompasses all of Fresno County. The SJVAPCD is the agency responsible for monitoring and regulating air pollutant emissions from stationary, area, and indirect sources within the City of Kerman and Fresno County. Table 5 provides Fresno County's designation and classification based on the various criteria pollutants under both NAAQS and CAAQS.

There are 24 air quality monitoring sites throughout the SJVAB which are currently operated by the SJVAPCD or in collaboration with the CARB. The CARB also independently operates a number of Monitoring stations in the Valley, along with additional sites operated by the National Park Service and tribal nations.[2] These monitoring sites provide ambient air quality emissions throughout the valley for pollutants such as ozone, PM10, PM2.5, nitrogen oxides, sulfur oxides, hydrocarbons, and carbon monoxide. The air quality monitoring sites in operation in the SJVAB are displayed in Figure 7. The nearest air quality monitoring site to the Project area is located 9 miles to the northwest at Madera's Pump Yard Monitoring Station. Air quality monitoring data from 2021-2023 is provided in Table 6.

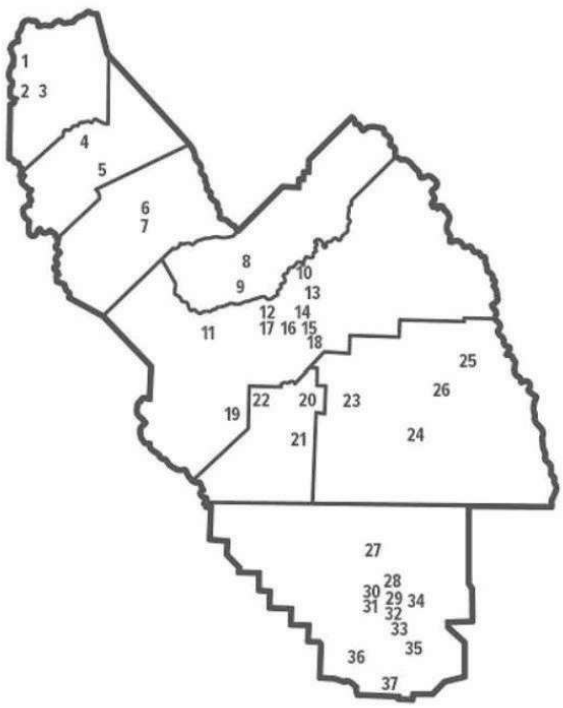
TABLE 5
FRESNO COUNTY ATTAINMENT STATUS

Pollutant	NAAQS[1]	CAAQS[2]
Ozone - 1 Hour	No Federal Standard[3]	Nonattainment
Ozone - 8 Hour	Nonattainment[4]	No State Standard
PM10	Attainment[5]	Nonattainment
PM2.5	Nonattainment[6]	Nonattainment
Carbon Monoxide	Unclassified/Attainment	Attainment
Nitrogen Dioxide	Unclassified/Attainment	Attainment
Sulfur Dioxide	Unclassified/Attainment	Attainment
Lead (Particulate)	Unclassified/Attainment	Attainment
Hydrogen Sulfide	No Federal Standard	Unclassified
Sulfates	No Federal Standard	Attainment
Visibility Reducing Particles	No Federal Standard	Unclassified

Source: CARB Website, 2025

1. See 40 CFR Part 81
2. See CCR Title 17 Sections 60200-60210
3. Effective June 15, 2005, the EPA revoked the federal 1-hour O3 standard, including associated designations and classifications. EPA had previously classified the SJVAB as extreme nonattainment for this standard. EPA approved the 2004 Extreme Ozone Attainment Demonstration Plan on March 8, 2010 (effective April 7, 2010). Many applicable requirements for extreme 1-hour O3 nonattainment areas continue to apply to the SJVAB.
4. Though the Valley was initially classified as serious nonattainment for the 1997 8-hour O3 standard, EPA approved Valley reclassification to extreme nonattainment in the Federal Register on May 5, 2010 (effective June 4, 2010).
5. On September 25, 2008, EPA redesignated the San Joaquin Valley to attainment for the PM10 National Ambient Air Quality Standard (NAAQS) and approved the PM10 Maintenance Plan.
6. The Valley is designated nonattainment for the 1997 PM2.5 NAAQS. EPA designated the Valley as nonattainment for the 2006 PM2.5 NAAQS on November 13, 2009 (effective December 14, 2009).

[2] https://ww2.valleyair.org/air-quality-information/air-monitoring/



July 2024

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

SAN JOAQUIN COUNTY*
- ■ 1 Stockton-University Park: G, P, F, M, T
- ★ 2 Tracy-Airport: G, M, P, F
- ★ 3 Manteca: P, F, M

STANISLAUS COUNTY
- ■ 4 Modesto-14th St: G, M, P, F
- ★ 5 Turlock: G, M, P, F

MERCED COUNTY
- ★ 6 Merced-M St: P, F
- ★ 7 Merced-Coffee: G, F, M

MADERA COUNTY
- ★ 8 Madera City: G, P, F, M
- ★ 9 Madera-Pump Yard: G, M

FRESNO COUNTY
Other[1]:
Monache Tribe/Foothill Yokut Indians
- ▲ 10 Table Mountain AMS^: G, F, P, M
- ★ 11 Tranquillity: G, F, M
- ★ 12 Fresno-Sky Park: G, M
- ★ 13 Clovis: G, M, P, F
- ■ 14 Fresno-Garland: G, M, P, F, T, N
- ★ 15 Fresno-Pacific: F
- ★ 16 Fresno-Drummond: G, P, M
- ★ 17 Fresno-Foundry: G, M, F
- ★ 18 Parlier: G, M
- ★ 19 Huron: F, M

KINGS COUNTY
- ★ 20 Hanford: G, F, M, P
- ★ 21 Corcoran: F, M, P

Other[1]:
Tachi Yokut Tribe
- ▲ 22 Santa Rosa Rancheria: G, M, P

TULARE COUNTY*
- ■ 23 Visalia-W. Ashland Ave: G, P, F, M
- ★ 24 Porterville: G, F, M

Other[2]:
- ▲ 25 Lower Kaweah: A, G, M
- ▲ 26 Ash Mountain: A, G, M, F

KERN COUNTY
- ● 27 Shafter: G, M
- ■ 28 Oildale: G, M, P
- ★ 29 Bakersfield-Golden/M St: F, P
- ★ 30 Bakersfield-Westwind: G, M
- ■ 31 Bakersfield-California: G, M, P, F, T
- ★ 32 Bakersfield-Muni: G, M
- ■ 33 Bakersfield-Airport (Planz): F
- ■ 34 Edison: G, M
- ■ 35 Arvin-Di-Giorgio: G, M
- ★ 36 Maricopa: G, M
- ★ 37 Lebec: F, M

MONITORING DESIGNATIONS
- F Fine Particulate (PM2.5)
- G Gaseous
- M Meteorological
- P Particulate (PM10)
- N National Core
- T Toxins

MONITORING OPERATION
- ★ Sites operated by the District
- ● Sites operated by the District & CARB
- ■ Sites operated by CARB
- ▲ Sites operated by other agencies
  - Other[1] Tribal
  - Other[2] National Park Service
- + Air Monitoring Station (AMS)
- ^ Stockton-University Park replaced Stockton-Hazelton
- * Visalia-W.Ashland Ave replaced Visalia-Church St

Image Source: San Joaquin Valley Air Pollution Control District

FIGURE 7
Air Quality Monitoring Sites

TABLE 6
AMBIENT AIR QUALITY EMISSIONS

Pollutant		2021	2022	2023
Ozone (O_3) [1]	Eight-Hour Average	0.085 ppm	0.078 ppm	0.077 ppm
	Number of days of federal exceedances (>0.070 ppm)	11	4	6
Ozone (O_3) [1]	Worst Hour	0.110 ppm	0.090 ppm	0.087 ppm
	Number of days of state exceedances (>0.090 ppm)	2	0	0
Particulate Matter (PM10) [2]	24 Hour - Federal	342.2 µg/m^3	140.5 µg/m^3	136.9 µg/m^3
	Number of days of federal exceedances (>150 µg/m3)	2	0	0
	24 Hour - State	345.9 µg/m^3	136.7 µg/m^3	135.6 µg/m^3
	Number of days of state exceedances (>50 µg/m3)	85	64	78
Particulate Matter (PM2.5) [2]	24 Hour	97.3 µg/m^3	40.2 µg/m^3	36.9 µg/m^3
	Number of days of federal exceedances (>35 µg/m3)	17	3	1
Nitrogen Dioxide (NO_2) [1]	1 Hour	34 ppb	34 ppb	32 ppb
	Number of days of state exceedances (>0.18 ppm)	0	0	0

Source: CARB, 2025

1: Madera's Pump Yard Monitoring Station

2: Madera's 28261 Avenue 14 Monitoring Station

5.0 PROJECT RELATED AIR QUALITY IMPACTS

A field investigation was conducted to identify land uses that could be subject to operational and construction impacts from the proposed Project. There is an existing rural single-family residence located approximately 375 feet west of the Project. The new Harvest Elementary School is located to the west of the Project across Madera Avenue (SR 145), with buildings located 600 feet west of the Project's property line. Commercial and industrial land uses exist to the south of the Project. The CEQA Guidelines, Appendix G, are used to assess the potential significance of Project impacts pursuant to local General Plan policies, Municipal Code standards, or applicable standards of other agencies. Under CEQA, air quality impacts would be considered significant if the project would:

- Air Quality
    - Conflict with or obstruct implementation of the applicable air quality plan?
    - 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?
    - Expose sensitive receptors to substantial pollutant concentrations?
    - Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

- Greenhouse Gas Emissions
    - Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
    - Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

5.1 SJVAPCD Thresholds of Significance

The SJVAPCD is the agency responsible for monitoring and regulating air pollutant emissions from stationary, area, and indirect sources within the City of Kerman, Fresno County and throughout the SJVAB. The significance criteria established by the SJVAPCD for criteria pollutants, as shown in Table 7, is used for determining environmental significance. These screening criteria can be used to demonstrate that a project's total emissions would not result in a significant impact as defined by CEQA.

5.2 Emission Calculation Methodology

Air quality impacts were assessed in accordance with methodologies recommended by CARB and the SJVAPCD. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod), version 2022.1.1.2. CalEEMod is a statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Project construction air emissions were primarily calculated using CalEEMod model defaults. CalEEMod Worksheets are provided in Appendix A.

TABLE 7
SJVAPCD SIGNIFICANCE THRESHOLDS

Pollutant	Construction Emissions tons/year	Operational Emissions (Permitted Equipment and Activities) tons/year	Operational Emissions (Non-Permitted Equipment and Activities) tons/year
Reactive Organic Gases (ROG)	10	10	10
Nitrogen Oxides (NOx)	10	10	10
Particulate Matter (PM10)	15	15	15
Particulate Matter (PM2.5)	15	15	15
Carbon Monoxide (CO)	100	100	100
Sulfur Oxides (SOx)	27	27	27
Greenhouse Gas (CO2)	None	None	None

Source: SJVAPCD, 2025

5.3 Air Quality Impacts

5.3.1 Conflict with or obstruct implementation of the applicable air quality plan?

Consistency with the SJVAPCD's air quality plan(s) would ensure a project is not in conflict with or obstructing the implementation of the air quality plan(s). As note previously the SJVAPCD has adopted various air quality plans including, the 2022 Plan for the 2015 8-Hour Ozone Standard, the 2016 Plan for the 2008 8-Hour Ozone Standard, the 2024 Plan for the 2012 Annual PM2.5 Standard, the 2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards, and the 2007 PM10 Maintenance Plan. A project would be consistent with the SJVAPCD's air quality plan(s) if the pollutants emitted from construction and operation of the project would not exceed the SJVAPCD emission thresholds or cause a significant impact on air quality. The SJVAPCD established the significance thresholds identified in Table 7 for purposes of determining if a project will have significant air quality impact.

The annual emissions from the construction phase of the Project will be less than the applicable SJVAPCD emission thresholds for criteria pollutants as shown in Table 8. The construction emissions are therefore considered less than significant with the implementation of the SJVAPCD applicable Regulation VIII control measures. Furthermore, the results of the analysis indicate that operational emissions from the Project will not exceed the SJVAPCD emissions threshold for any emissions as shown in Table 9. As a result, the Project will not conflict with or obstruct implementation of any air quality plans. Therefore, mitigation is not warranted since there is a ***less than significant impact*** as a result of the Project.

TABLE 8
PROJECT CONSTRUCTION EMISSIONS

Pollutant	Project Construction Emissions tons/year	SJVAPCD Construction Emission Threshold tons/year	Exceed SJVAPCD Threshold?
Reactive Organic Gases (ROG)	1.260	10	NO
Nitrogen Oxides (NOx)	1.630	10	NO
Particulate Matter (PM10)	0.500	15	NO
Particulate Matter (PM2.5)	0.250	15	NO
Carbon Monoxide (CO)	1.960	100	NO
Sulfur Oxides (SOx)	<0.005	27	NO
Greenhouse Gas (CO2)	360.000	None	NO

Source: JK Consulting Group, LLC., 2025 / CalEEMod 2022.1.1.29

TABLE 9
PROJECT OPERATIONAL EMISSIONS

Sector	Tons/Year						
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NOx)	Particulate Matter (PM10)	Particulate Matter (PM2.5)	Carbon Monoxide (CO)	Sulfur Oxides (SOx)	Greenhouse Gas (CO2)
Mobile	0.980	1.000	1.730	0.450	6.950	0.020	1,804.000
Area	1.800	0.100	0.250	0.240	2.690	0.010	117.000
Energy	0.020	0.330	0.030	0.030	0.140	< 0.005	545.000
Water/Waste/Refrig.	--	--	--	--	--	--	72.830
Total Emissions per Year	**2.800**	**1.430**	**2.010**	**0.720**	**9.780**	**0.030**	**2,538.000**
SJVAPCD Threshold of Significance	10	10	15	15	100	27	None
Exceed Level?	NO	NO	NO	NO	NO	NO	NO

Source: JK Consulting Group, LLC., 2025 / CalEEMod 2022.1.1.29

5.3.2 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?

The Fresno County area is nonattainment for Federal and State air quality standards for ozone, in attainment of Federal standards and nonattainment for State standards for PM10, and nonattainment for Federal and State standards for PM2.5. The SJVAPCD has prepared the 2022 Plan for the 2015 8-Hour Ozone Standard, the 2016 Plan for the 2008 8-Hour Ozone Standard, the 2024 Plan for the 2012 Annual PM2.5 Standard, the 2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards, and the 2007 PM10 Maintenance Plan to achieve Federal and State standards for improved air quality in the SJVAB regarding ozone and PM. Inconsistency with any of the plans would be considered a cumulatively adverse air quality impact.

Project specific emissions that exceed the thresholds of significance for criteria pollutants would be expected to result in a cumulatively considerable net increase of any criteria pollutant for which the City/County is in non-attainment under applicable federal or state ambient air quality standards. It should be noted that a project is characterized as cumulatively insignificant when project emissions fall below thresholds of significance. As discussed in Section 5.1, the SJVAPCD has established thresholds of significance for determining environmental significance which are provided in Table 7.

The results of the analysis, as discussed in Section 5.3.1, show that emissions generated from construction and operation of the Project will be less than the applicable SJVAPCD emission thresholds for criteria pollutants. As a result, the Project will not 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. Therefore, mitigation is not warranted since there is a ***less than significant impact*** as a result of the Project.

5.3.3 Expose sensitive receptors to substantial pollutant concentrations?

Short-Term (Construction) Impacts

Construction associated with the Project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the Project area include ozone precursor pollutants (i.e., ROG and NOX) and PM10 and PM2.5. Construction-generated emissions are temporary in nature, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SJVAPCD's thresholds of significance.

Construction-generated emissions associated with the Project were calculated using the CARB approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. Predicted construction emissions for the Project are summarized in Table 8. As shown in Table 8, all criteria pollutant emissions would remain below their respective thresholds during Project construction. Criteria pollutant emissions generated during Project construction would not expose adjacent sensitive receptors, depicted in Figure 8, to substantial pollutant

concentrations. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project construction emissions.

Long-Term (Operational) Impacts

Criteria Pollutants

Operational air pollutant emissions were based on information provided by Project representatives and the estimated traffic trip generation for the Project. Operational emissions were estimated for the Project using the CalEEMod computer program and detailed results are included in Appendix A of this report. Predicted operational emissions for the Project are summarized in Table 9. As shown in Table 9, all criteria pollutant emissions would remain below their respective thresholds during Project operations. Criteria pollutant emissions generated during Project operations would not expose sensitive receptors, depicted in Figure 8, to substantial pollutant concentrations. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

Toxic Air Contaminants (TAC)

Sensitive receptors are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. Figure 8 depicts sensitive receptors adjacent to the Project site. The SJVAPCD's *Guidance for Assessing and Mitigating Air Quality Impacts* identifies the need for projects to analyze the potential for adverse air quality impacts to sensitive receptors. From a health risk perspective, the Project is a Type B project in that it may potentially place sensitive receptors in the vicinity of existing toxic sources. The SJVAPCD's current thresholds of significance for TAC emissions from the operations of both permitted and non-permitted sources are presented below:

- Carcinogens: Maximally Exposed Individual risk equals or exceeds 20 in one million
- Chronic: Hazard Index equals or exceeds 1 for the Maximally Exposed Individual
- Acute: Hazard Index equals or exceeds 1 for the Maximally Exposed Individual

Exposure to various TAC's primarily occurs through inhalation. Cancer and non-cancer health risks are related to the exposure concentration of TACs generated in the vicinity of the Project site. The ambient concentration of TACs at the Project site is influenced by factors such as the emission rate, the distance from the emission source, the local wind speed and direction, the local topography, the land use, etc.

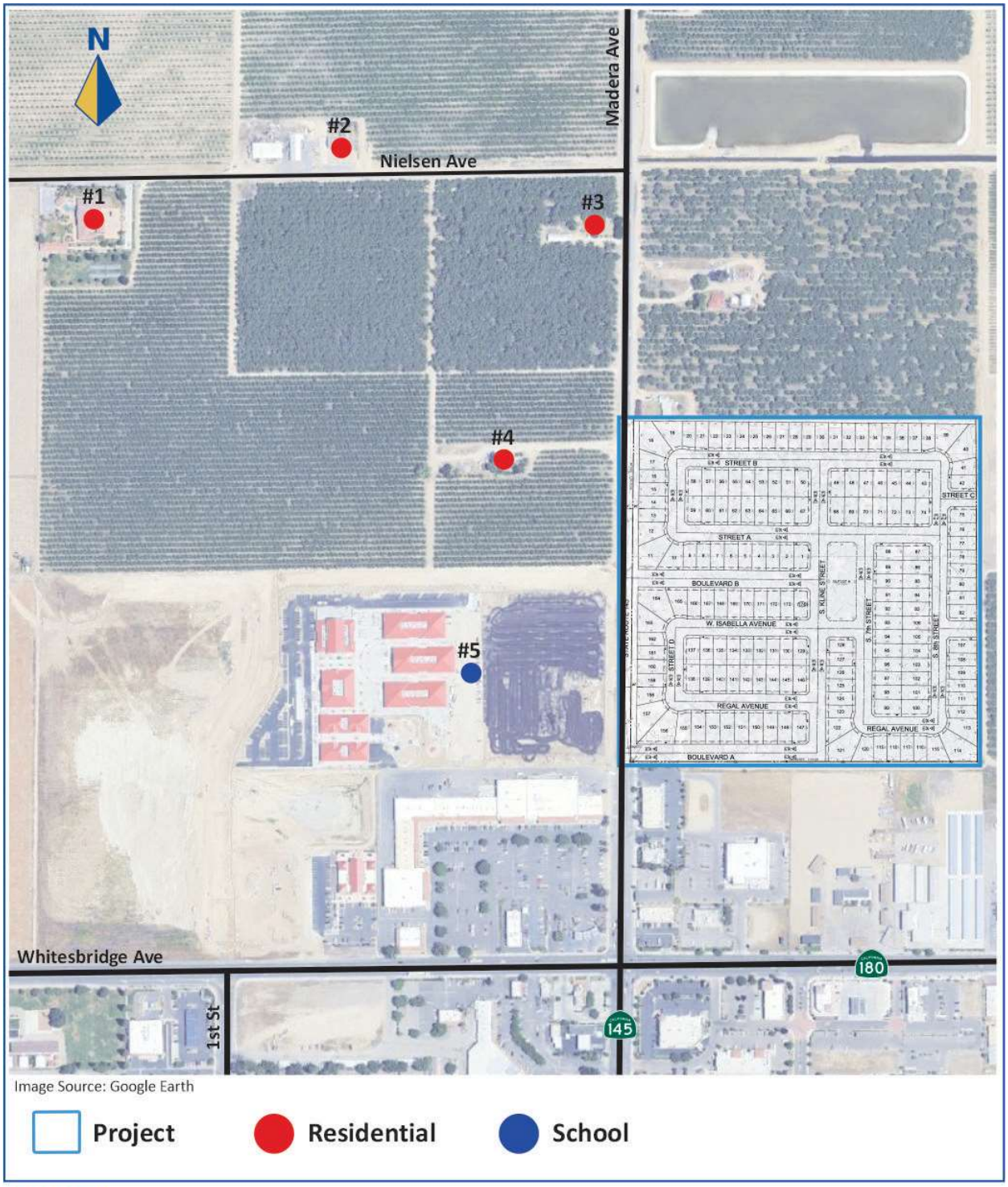


FIGURE 8
Sensitive Receptors

Estimate of Toxic Emissions

Project Construction

Construction-related activities would result in emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., demolition, clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, DPM is the primary toxic air contaminant of concern. Cancer risk was calculated using the most recent version of the Office of Environmental Health Hazard Assessment (OEHHA) guidelines for health risk assessments. TAC emissions associated with the construction of the Project were used to assess impacts to adjacent sensitive receptors as shown in Figure 8. It should be noted that emissions of diesel PM would be generated from different locations on the Project site rather than in a single location given that different types of construction activities would occur in various locations throughout the site. Table 10 shows the estimated DPM emissions from on-site construction equipment considering various construction phases. Table 11 and Table 12 show estimated construction emissions from on-site mobile sources and on-site idling from mobile sources. Tables 13 and 14 show the results of the analysis at adjacent sensitive receptors which represent the maximally exposed individuals. The TAC threshold of 10 in one million was used in lieu of the SJVAPCD's threshold of 20 in one million given the uncertainty in assessing cancer risk from construction (short-term) exposures. The OEHHA guidelines for health risk assessments discuss the use of a lower cancer risk threshold for risk management for short-term projects.

Results of the analysis show that TAC emissions at Receptor 4 (residence) and Receptor 5 (School) adjacent to the Project site would exceed the 10 in one million threshold from Project construction activities. Implementation of Mitigation Measure AQ-1 would be required to reduce substantial pollutant concentrations during Project construction.

- **Mitigation Measure AQ-1 -** During Project construction, the Project contractor or Project representatives shall ensure that all off-road diesel-powered construction equipment used for the grading and building construction phases meet the CARB Tier 4 emissions standards or equivalent.

Table 15 shows the estimated DPM emissions from on-site construction equipment considering Mitigation Measure AQ-1. Table 16 shows that there is a ***less than significant impact*** from Project construction emissions with implementation of Mitigation Measure AQ-1.

TABLE 10
ON-SITE EQUIPMENT CONSTRUCTION EMISSIONS

Scenario	Construction Phase	Equipment Type	Quantity	HP	Daily Operation (hrs/day)	Work Days (per phase)	Total Operation Hours (hrs)	Load Factor	Emission Factor (g/hp-hr)	Annual Emission Estimate (lbs/yr)	Normalized Hourly Emission Estimate (lbs/hr)
Project Construction	Demolition	Rubber Tired Dozers	2	367	8	30	480	0.40	0.16	24.70	0.05146
	Demolition	Excavators	3	36	8	30	720	0.38	0.07	1.61	0.00223
	Demolition	Concrete/Industrial Saw	1	33	8	30	240	0.73	0.07	0.90	0.00377
	Site Preparation	Rubber Tired Dozers	3	367	8	20	480	0.40	0.16	24.70	0.05146
	Site Preparation	Tractors/Loaders/Backhoes	4	84	8	20	640	0.37	0.08	3.38	0.00528
	Grading	Graders	1	148	8	45	360	0.41	0.16	7.66	0.02127
	Grading	Excavators	2	36	8	45	720	0.38	0.07	1.61	0.00223
	Grading	Tractors/Loaders/Backhoes	2	84	8	45	720	0.37	0.08	3.80	0.00528
	Grading	Scrapers	2	423	8	45	720	0.48	0.05	14.50	0.02014
	Grading	Rubber Tired Dozers	1	367	8	45	360	0.40	0.16	18.52	0.05146
	Building Construction	Cranes	1	367	7	500	3,500	0.29	0.08	63.23	0.01807
	Building Construction	Forklifts	3	82	8	500	12,000	0.20	0.12	53.58	0.00447
	Building Construction	Tractors/Loaders/Backhoes	3	84	7	500	10,500	0.37	0.07	50.36	0.00480
	Building Construction	Generator Sets	1	14	8	500	4,000	0.74	0.18	16.03	0.00401
	Building Construction	Welders	1	46	8	500	4,000	0.45	0.10	18.98	0.00475
	Paving	Pavers	2	81	8	35	560	0.42	0.13	5.42	0.00968
	Paving	Rollers	2	36	8	35	560	0.38	0.15	2.60	0.00464
	Paving	Paving Equipment	2	89	8	35	560	0.36	0.08	3.16	0.00565
	Architectural Coating	Air Compressors	1	37	6	35	210	0.48	0.10	0.81	0.00388
									Total PM10 Emissions	**315.57**	**0.27450**

Source:

Construction Phase: CalEEMod Default

Equipment Type: CalEEMod Default

Quantity: CalEEMod Default

Source for HP: CalEEMod Default

Source for Load Factor: CalEEMod Default

Source for Emission Factor: CalEEMod Default

TABLE 11
CONSTRUCTION EMISSIONS FROM MOBILE SOURCES

Scenario	Construction Phase	Trip Type	EMFAC Vehicle Class	One-Way Trips Per Day	Miles per Trip	Work Days (per phase)	Total Distance (miles)	Emission Factors [1] (gms/mile)	Emission Factors (lbs/VMT)	Annual Emission Estimate (lbs/yr)	Normalized Hourly Emission Estimate (lbs/hr)
Project Construction	Demolition	Worker	LDT2	15	7.7	30	3,465	0.0106	2.33E-05	0.08	0.00011
	Demolition	Hauling	T7 Single Construction	5.27	20	30	3,162	0.0138	3.04E-05	0.10	0.00013
	Site Preparation	Worker	LDT2	17.5	7.7	20	2,695	0.0106	2.33E-05	0.06	0.00013
	Grading	Worker	LDT2	20	7.7	45	6,930	0.0106	2.33E-05	0.16	0.00015
	Building Construction	Worker	LDT2	66.6	7.7	500	256,410	0.0106	2.33E-05	5.98	0.00050
	Building Construction	Vendor	T7 Single Construction	19.8	4	500	39,600	0.0138	3.04E-05	1.20	0.00010
	Paving	Worker	LDT2	15	7.7	35	4,043	0.0106	2.33E-05	0.09	0.00011
	Architectural Coating	Worker	LDT2	13.3	7.7	35	3,584	0.0106	2.33E-05	0.08	0.00010
									Total PM_{10} Emissions	**7.76**	**0.00134**

Source:

Construction Phase: CalEEMod Default

Trip Type: CalEEMod Default

Trips Per Day: CalEEMod Default

Miles per Trip: CalEEMod Default

Work Days: CalEEMod Default

(1) Emission Factors source: EMFAC2017 for Fresno County Year 2025, for speed distribution of 10 mph

TABLE 12
CONSTRUCTION EMISSIONS FROM MOBILE SOURCES - IDLING

Scenario	Construction Phase	Trip Type	EMFAC Vehicle Class [1]	One-Way Trips Per Day	Idle Time per Trip [2] (hrs/trip)	Work Days (per phase)	Idle Emission Factors [3] (g/day-vehicle)	Idle Emission Factors (lbs/hr-veh)	Annual Emission Estimate (lbs/yr)	Normalized Hourly Emission Estimate (lbs/hr)
Project Construction	Demolition	Worker	LDT2	15	0.09	30	0.0276	2.53E-06	0.00010	1.42E-07
	Demolition	Hauling	T7 Single Construction	5.27	0.09	30	0.0075	6.85E-07	0.00001	1.35E-08
	Site Preparation	Worker	LDT2	17.5	0.09	20	0.0278	2.55E-06	0.00008	1.68E-07
	Grading	Worker	LDT2	20	0.09	45	0.0278	2.55E-06	0.00021	1.92E-07
	Building Construction	Worker	LDT2	66.6	0.09	500	0.0278	2.55E-06	0.00766	6.38E-07
	Building Construction	Vendor	T7 Single Construction	19.8	0.09	500	0.0075	6.85E-07	0.00061	5.09E-08
	Paving	Worker	LDT2	15	0.09	35	0.0278	2.55E-06	0.00012	1.44E-07
	Architectural Coating	Worker	LDT2	13.3	0.09	35	0.0278	2.55E-06	0.00011	1.27E-07
								Total PM_{10} Emissions	**0.00889**	**1.48E-06**

Source:

(1) PM10 Emission Factors aren't provided for EMFAC's LDT2. PM10 Emission Factor for LHD1 used as surrogate

(2) Assumes 5 minute idle time

(3) Emission Factors source: EMFAC2017 for Fresno County Year 2025

TABLE 13
CANCER RISK FROM PROJECT CONSTRUCTION EMISSIONS

Receptor		Carcinogenic Inhalation Health Risk	Threshold of Significance	Exceed Threshold?
Receptor 1	Residence	7.91E-06	1.00E-05	No
Receptor 2	Residence	6.66E-06	1.00E-05	No
Receptor 3	Residence	9.93E-06	1.00E-05	No
Receptor 4	Residence	**3.27E-05**	1.00E-05	**Yes**
Receptor 5	School	**2.81E-05**	1.00E-05	**Yes**

TABLE 14
NON-CANCER RISK FROM PROJECT CONSTRUCTION EMISSIONS

Receptor		Chronic Health Risk	Threshold of Significance	Exceed Threshold?
Receptor 1	Residence	2.31E-02	1.00E+00	No
Receptor 2	Residence	1.95E-02	1.00E+00	No
Receptor 3	Residence	2.90E-02	1.00E+00	No
Receptor 4	Residence	9.56E-02	1.00E+00	No
Receptor 5	School	8.20E-02	1.00E+00	No

TABLE 15
ON-SITE EQUIPMENT CONSTRUCTION EMISSIONS WITH MITIGATION

nario	Construction Phase	Equipment Type	Quantity	HP	Daily Operation (hrs/day)	Work Days (per phase)	Total Operation Hours (hrs)	Load Factor	Emission Factor (g/hp-hr)	Annual Emission Estimate (lbs/yr)	Normalized Hourly Emission Estimate (lbs/hr)
Project Construction	Demolition	Rubber Tired Dozers	2	367	8	30	480	0.40	0.16	24.70	0.05146
	Demolition	Excavators	3	36	8	30	720	0.38	0.07	1.61	0.00223
	Demolition	Concrete/Industrial Saw	1	33	8	30	240	0.73	0.07	0.90	0.00377
	Site Preparation	Rubber Tired Dozers	3	367	8	20	480	0.40	0.16	24.70	0.05146
	Site Preparation	Tractors/Loaders/Backhoes	4	84	8	20	640	0.37	0.08	3.38	0.00528
	Grading	Graders	1	148	8	45	360	0.41	0.01	0.39	0.00107
	Grading	Excavators	2	36	8	45	720	0.38	0.01	0.17	0.00024
	Grading	Tractors/Loaders/Backhoes	2	84	8	45	720	0.37	0.01	0.39	0.00055
	Grading	Scrapers	2	423	8	45	720	0.48	0.01	2.58	0.00358
	Grading	Rubber Tired Dozers	1	367	8	45	360	0.40	0.01	0.93	0.00259
	Building Construction	Cranes	1	367	7	500	3,500	0.29	0.01	6.57	0.00188
	Building Construction	Forklifts	3	82	8	500	12,000	0.20	0.01	3.47	0.00029
	Building Construction	Tractors/Loaders/Backhoes	3	84	7	500	10,500	0.37	0.01	5.76	0.00055
	Building Construction	Generator Sets	1	14	8	500	4,000	0.74	0.01	0.73	0.00018
	Building Construction	Welders	1	46	8	500	4,000	0.45	0.01	1.46	0.00037
	Paving	Pavers	2	81	8	35	560	0.42	0.13	5.42	0.00968
	Paving	Rollers	2	36	8	35	560	0.38	0.15	2.60	0.00464
	Paving	Paving Equipment	2	89	8	35	560	0.36	0.08	3.16	0.00565
	Architectural Coating	Air Compressors	1	37	6	35	210	0.48	0.10	0.81	0.00388
									Total PM_{10} Emissions	**89.74**	**0.14933**

Source:

Construction Phase: CalEEMod Default

Equipment Type: CalEEMod Default

Quantity: CalEEMod Default

Source for HP: CalEEMod Default

Source for Load Factor: CalEEMod Default

TABLE 16
CANCER RISK FROM PROJECT CONSTRUCTION
WITH MITIGATION

Receptor		Carcinogenic Inhalation Health Risk	Threshold of Significance	Exceed Threshold?
Receptor 1	Residence	2.39E-06	1.00E-05	No
Receptor 2	Residence	1.98E-06	1.00E-05	No
Receptor 3	Residence	2.94E-06	1.00E-05	No
Receptor 4	Residence	9.93E-06	1.00E-05	No
Receptor 5	School	8.82E-06	1.00E-05	No

Project Operations

The characteristics of the Project are not consistent with the TAC source categories presented in Table 2. Therefore, Project operations will not expose sensitive receptors to substantial pollutant concentrations. Mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

5.3.4 Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

The likelihood that a project might produce odors should be assessed per CEQA guidelines. Any project that has the potential to regularly subject people to offensive odors should be considered to have a major impact. Nuisance odors may be assessed qualitatively, taking into consideration project design elements and proximity to off-site receptors that would be potentially exposed to objectionable odors.

The potential significance of odor emissions depends on an odor source's strength and proximity to sensitive receptors. The types of facilities that are known to produce odors are shown in Table 3 above along with a reasonable distance from the source within which, the degree of odors could possibly be significant. The characteristics of the Project are not comparable to the types of facilities listed in Table 3 above. As a result, emissions generated during Project construction and operations would not expose sensitive receptors to objectionable odors. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

5.4 Greenhouse Gas Impacts

5.4.1 Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Assembly Bill (AB) 32, also known as the Global Warming Solutions Act of 2006 (Nunez), expanded CARB's role to development and oversight of California's main GHG reduction programs. These include cap and trade, the Low Carbon Fuel Standard, and the zero-emission vehicle programs. AB 1279 (Muratsuchi) affirms California's plan to achieve net zero GHG emissions by the year 2045. In addition, the bill also mandates that statewide anthropogenic GHG emissions be reduced to at least 85% below the 1990 levels.

CARB's 2022 Scoping Plan lays forth a plan for achieving carbon neutrality goals and reducing anthropogenic GHG emissions by 85% below 1990 levels by 2045 as required by AB 1279. By implementing clean technologies and fuels, the plan's actions and results will result in significant decreases in the combustion of fossil fuels, further decreases in short-lived climate pollutants, support for sustainable development, increased action on working and natural lands to reduce emissions and sequester carbon, and the capture and storage of carbon.

Emissions Estimates

The estimated total GHG emissions during the construction phase of the Project is 360 MT CO_2e as shown in Table 8 above. Construction emissions amortized over a 30-year project lifetime (estimated) yield approximately 12.0 MT CO_2e per year as shown in Table 17. Total operational emissions combined with amortized construction emissions shows that the Project will generate 2,550.0 MT CO_2e per year.

The 2022 Scoping Plan recognizes three (3) methods for evaluating a projects alignment with the State's climate goals in CEQA GHG analyses. These methods can be used at the discretion of lead agencies for the purpose of determining if a project would have a potentially significant impact on GHG emissions. The three (3) methods are described below:

- Determine if the project includes key project attributes that reduce operational GHG emissions while simultaneously advancing fair housing;
- Determine if the project would result in net-zero GHG emissions;
- Assessment of a projects GHG impact by employing a threshold of significance recommended by the applicable air district or other lead agencies.

As documented in the 2022 Scoping Plan, the third method allows lead agencies to analyze GHG impacts of a project by utilizing thresholds of significance recommended by the SJVAPCD or other lead agencies. The SJVAPCD has not established specific thresholds of significance for GHG emissions.

While existing GHG emission thresholds developed by other lead agencies were based on consistency with meeting AB 32 goals, they provide some perspective on the GHG emissions generated by the Project. The

CARB, Sacramento Metropolitan Air Quality Management District, and South Coast Air Quality Management District established GHG thresholds for their respective regions. Table 17 shows the yearly GHG emissions generated by the Project as determined by the CalEEMod model. The projected GHG emissions generated by the Project are less than the emissions thresholds identified by other lead agencies, reflecting between 25% and 36% of the identified thresholds. As a result, the Project will not generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

TABLE 17
PROJECT GREENHOUSE GAS EMISSIONS

Pollutant	Project Construction Emissions[1] tons/year	Project Operational Emissions tons/year	Project Total GHG Emissions tons/year	Emission Threshold tons/year	Exceed Threshold?
Greenhouse Gas (CO2)	12.00	2,538.00	2,550.00	California Air Resources Board 7,000	NO
				South Coast Air Quality Management District 10,000	NO
				Sacramento Metropolitan Air Quality Management District 1,100 Construction 10,000 Operational	NO

Source: JK Consulting Group, LLC., 2025

[1] Construction emissions amortized over a 30-year project lifetime

5.4.2 Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

SB 375 requires MPOs to adopt a SCS or APS that will prescribe land use allocation in that MPO's regional transportation plan. CARB, in consultation with MPOs, has provided each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. For the Fresno COG region, CARB set targets at six (6) percent per capita decrease in 2020 and a thirteen (13) percent per capita decrease in 2035 from the base year of 2005.

Executive Order B-30-15 establishes a California greenhouse gas reduction target of 40 percent below 1990 levels by 2030 to ensure California meets its target of reducing greenhouse gas emissions to 80 percent below 1990 levels by 2050. AB 1279 (Muratsuchi) affirms California's plan to achieve net zero GHG emissions by the year 2045. In addition, the bill also mandates that statewide anthropogenic GHG emissions be reduced to at least 85% below the 1990 levels.

The 2022 Scoping Plan lays forth a plan for achieving carbon neutrality goals and reducing anthropogenic GHG emissions by 85% below 1990 levels by 2045 as required by AB 1279. By implementing clean technologies and fuels, the plan's actions and results will result in significant decreases in the combustion of fossil fuels, further decreases in short-lived climate pollutants, support for sustainable development, increased action on working and natural lands to reduce emissions and sequester carbon, and the capture and storage of carbon. Below is a list of applicable strategies in the Scoping Plan and the Project's consistency with those strategies.

- Achieve 100 percent Zero-Emission Vehicle (ZEV) sales of light-duty vehicles by 2035 and medium-heavy-duty vehicles by 2040.

    - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the residential development. The Project would not conflict or obstruct this reduction measure.

- Accelerate the reduction and replacement of fossil fuel production and consumption in California.

    - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the residential development. The Project would not conflict or obstruct this reduction measure.

The 2022 Scoping Plan recognizes three (3) methods for evaluating a projects alignment with the State's climate goals in CEQA GHG analyses. These methods can be used at the discretion of lead agencies for the purpose of determining if a project would have a potentially significant impact on GHG emissions. As described above, the projected GHG emissions generated by the Project are less than the emissions thresholds identified by other lead agencies, reflecting between 25% and 36% of the identified thresholds. The Project will not Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. Therefore, mitigation is not warranted since there is a ***less than significant impact*** from Project operational emissions.

5.5 Indirect Source Review Rule

The purpose of SJVAPCD's Indirect Source Review (ISR) Program, Rule 9510, is to encourage developers to incorporate clean air measures and reduce emissions of NOx and PM10 from new development projects.[3] Rule 9510 and Rule 3180 (Administrative Fees for Indirect Source Review) are the result of state requirements outlined in the California Health and Safety Code, Section 40604 and the State

[3] https://ww2.valleyair.org/permitting/indirect-source-review-rule-overview

Implementation Plan (SIP). The PM10 and Ozone plans have determined that the ISR Rule, in addition to existing and future rules and conditions, will help clean the Valley's air and reach attainment.

The SJVAPCD's ISR requirements, as outlined in Rule 9510 procedures, identifies development projects and sizes that are applicable to the rule. The Project is subject to Rule 9510 given the characteristics of the proposed Project. The Project's total cost for emission reductions will be determined during the formal ISR review process and will be based upon the SJVAPCD's ISR Fee Estimator calculator.

REFERENCES

- City of Kerman *General Plan,* July 2020
- Fresno County *General Plan Policy Document*, October 2000
- Fresno County General Plan *Comprehensive General Plan Review and Revision*, Final February 2024
- San Joaquin Valley Air Pollution Control District (SJVAPCD) Rule 9510, March 2018
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- Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program – Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments*, February 2015
- California Air Pollution Control Officers Association (CAPCOA) *Health Risk Assessments for Proposed Land Use Projects*, July 2009
- California Environmental Protection Agency/California Air Resources Board, *Air Quality and Land Use Handbook: A Community Health Perspective*, April 2005
- California Air Resources Board and California Air Pollution Control Officers Association, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*, February 2022

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Kerman Harvest Estates Detailed Report

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Data Field	Value
Project Name	Kerman Harvest Estates
Construction Start Date	6/3/2025
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.90
Precipitation (days)	21.2
Location	36.738632612848704, -120.05843225174907
County	Fresno
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2523
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

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
Single Family Housing	185	Dwelling Unit	31.0	360,750	2,166,879	—	592	—

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.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.02	3.39	31.7	30.8	0.06	1.37	19.8	21.1	1.26	10.1	11.4	—	6,720	6,720	0.27	0.09	1.97	6,745
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	64.7	64.7	29.7	28.9	0.06	1.23	9.31	10.5	1.14	3.68	4.82	—	6,706	6,706	0.27	0.07	0.06	6,731
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.05	6.92	8.91	10.7	0.02	0.37	2.35	2.71	0.34	1.03	1.37	—	2,154	2,154	0.08	0.05	0.61	2,173
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.29	1.26	1.63	1.96	< 0.005	0.07	0.43	0.50	0.06	0.19	0.25	—	357	357	0.01	0.01	0.10	360

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.02	3.39	31.7	30.8	0.06	1.37	19.8	21.1	1.26	10.1	11.4	—	6,720	6,720	0.27	0.09	1.23	6,745

2026	1.58	1.35	10.4	15.4	0.03	0.38	0.43	0.81	0.35	0.10	0.46	—	3,048	3,048	0.12	0.07	1.97	3,075
2027	1.51	1.29	9.91	15.2	0.03	0.34	0.43	0.77	0.31	0.10	0.42	—	3,034	3,034	0.11	0.07	1.76	3,060
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.89	3.27	29.7	28.9	0.06	1.23	9.31	10.5	1.14	3.68	4.82	—	6,706	6,706	0.27	0.07	0.06	6,731
2026	1.54	1.32	10.5	15.0	0.03	0.38	0.43	0.81	0.35	0.10	0.46	—	3,004	3,004	0.12	0.07	0.05	3,029
2027	64.7	64.7	9.96	14.8	0.03	0.34	0.43	0.77	0.31	0.10	0.42	—	2,991	2,991	0.12	0.07	0.05	3,016
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.18	1.00	8.91	9.20	0.02	0.37	2.35	2.71	0.34	1.03	1.37	—	1,892	1,892	0.08	0.03	0.22	1,903
2026	1.11	0.95	7.45	10.7	0.02	0.27	0.30	0.58	0.25	0.07	0.32	—	2,154	2,154	0.08	0.05	0.61	2,173
2027	7.05	6.92	5.81	8.69	0.01	0.20	0.23	0.43	0.19	0.06	0.24	—	1,700	1,700	0.07	0.04	0.41	1,714
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.22	0.18	1.63	1.68	< 0.005	0.07	0.43	0.50	0.06	0.19	0.25	—	313	313	0.01	< 0.005	0.04	315
2026	0.20	0.17	1.36	1.96	< 0.005	0.05	0.06	0.10	0.05	0.01	0.06	—	357	357	0.01	0.01	0.10	360
2027	1.29	1.26	1.06	1.59	< 0.005	0.04	0.04	0.08	0.03	0.01	0.04	—	281	281	0.01	0.01	0.07	284

2.4. Operations 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.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.5	20.1	9.33	98.8	0.27	6.32	9.74	16.1	6.09	2.47	8.56	1,108	16,959	18,068	15.9	0.61	35.7	18,683
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.9	18.5	9.96	82.0	0.26	6.31	9.74	16.1	6.09	2.47	8.56	1,108	15,964	17,072	15.9	0.65	3.44	17,668

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.9	15.3	7.82	53.6	0.15	1.60	9.39	11.0	1.54	2.38	3.92	329	14,497	14,826	12.2	0.62	16.5	15,331
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.09	2.80	1.43	9.78	0.03	0.29	1.71	2.01	0.28	0.43	0.72	54.4	2,400	2,455	2.02	0.10	2.74	2,538

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.48	6.07	5.20	45.2	0.11	0.08	9.74	9.82	0.08	2.47	2.55	—	11,645	11,645	0.43	0.55	33.1	11,853
Area	18.8	13.9	2.31	52.9	0.15	6.09	—	6.09	5.87	—	5.87	1,005	1,976	2,981	4.74	< 0.005	—	3,101
Energy	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	3,273	3,273	0.36	0.02	—	3,289
Water	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Waste	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	25.5	20.1	9.33	98.8	0.27	6.32	9.74	16.1	6.09	2.47	8.56	1,108	16,959	18,068	15.9	0.61	35.7	18,683
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.85	5.41	5.92	38.8	0.10	0.08	9.74	9.82	0.08	2.47	2.55	—	10,677	10,677	0.50	0.59	0.86	10,866
Area	17.8	13.0	2.22	42.4	0.15	6.08	—	6.08	5.86	—	5.86	1,005	1,948	2,953	4.74	< 0.005	—	3,073
Energy	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	3,273	3,273	0.36	0.02	—	3,289
Water	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Waste	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	23.9	18.5	9.96	82.0	0.26	6.31	9.74	16.1	6.09	2.47	8.56	1,108	15,964	17,072	15.9	0.65	3.44	17,668

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.79	5.37	5.46	38.1	0.10	0.08	9.39	9.47	0.08	2.38	2.46	—	10,707	10,707	0.45	0.56	14.0	10,898
Area	10.9	9.84	0.55	14.7	0.03	1.37	—	1.37	1.32	—	1.32	226	451	677	1.06	< 0.005	—	704
Energy	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	3,273	3,273	0.36	0.02	—	3,289
Water	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Waste	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	16.9	15.3	7.82	53.6	0.15	1.60	9.39	11.0	1.54	2.38	3.92	329	14,497	14,826	12.2	0.62	16.5	15,331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.06	0.98	1.00	6.95	0.02	0.01	1.71	1.73	0.01	0.43	0.45	—	1,773	1,773	0.08	0.09	2.31	1,804
Area	2.00	1.80	0.10	2.69	0.01	0.25	—	0.25	0.24	—	0.24	37.4	74.7	112	0.18	< 0.005	—	117
Energy	0.04	0.02	0.33	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	542	542	0.06	< 0.005	—	545
Water	—	—	—	—	—	—	—	—	—	—	—	2.37	10.9	13.2	0.24	0.01	—	21.1
Waste	—	—	—	—	—	—	—	—	—	—	—	14.7	0.00	14.7	1.47	0.00	—	51.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43	0.43
Total	3.09	2.80	1.43	9.78	0.03	0.29	1.71	2.01	0.28	0.43	0.72	54.4	2,400	2,455	2.02	0.10	2.74	2,538

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

Location	TOG	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	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.46	0.46	—	0.07	0.07	—	—	—	—	—	—	—
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.20	1.82	1.64	< 0.005	0.08	—	0.08	0.07	—	0.07	—	282	282	0.01	< 0.005	—	282
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.33	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46.6	46.6	< 0.005	< 0.005	—	46.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.56	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	90.9	90.9	< 0.005	< 0.005	0.34	92.5
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	0.00

Hauling	0.01	0.01	0.44	0.11	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	368	368	0.01	0.06	0.89	386
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.87	6.87	< 0.005	< 0.005	0.01	6.98
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	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.3	30.3	< 0.005	< 0.005	0.03	31.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	< 0.005	1.16
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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.01	5.01	< 0.005	< 0.005	0.01	5.25

3.3. Site Preparation (2025) - Unmitigated

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

Location	TOG	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	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.73	1.65	< 0.005	0.07	—	0.07	0.07	—	0.07	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	1.08	1.08	—	0.55	0.55	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.32	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.10	0.10	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.65	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	106	106	< 0.005	< 0.005	0.40	108
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.34	5.34	< 0.005	< 0.005	0.01	5.43
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.88	0.88	< 0.005	< 0.005	< 0.005	0.90
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	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	0.00

3.5. Grading (2025) - Unmitigated

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

Location	TOG	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	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622

Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.39	3.66	3.49	0.01	0.15	—	0.15	0.14	—	0.14	—	814	814	0.03	0.01	—	816
Dust From Material Movement	—	—	—	—	—	—	1.13	1.13	—	0.45	0.45	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.67	0.64	< 0.005	0.03	—	0.03	0.03	—	0.03	—	135	135	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.05	0.74	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	121	121	< 0.005	0.01	0.45	123
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	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.60	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	108	108	< 0.005	0.01	0.01	109
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.02	14.0
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.28	2.28	< 0.005	< 0.005	< 0.005	2.31
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	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	0.00

3.7. Building Construction (2025) - Unmitigated

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

Location	TOG	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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.55	1.94	< 0.005	0.06	—	0.06	0.06	—	0.06	—	357	357	0.01	< 0.005	—	358
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.0	59.0	< 0.005	< 0.005	—	59.2
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.25	0.18	2.01	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	358	358	0.02	0.02	0.04	364
Vendor	0.02	0.01	0.45	0.19	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	261	261	0.01	0.04	0.02	272
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.30	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	55.2	55.2	< 0.005	< 0.005	0.10	56.1
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.7	38.7	< 0.005	0.01	0.04	40.5
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.14	9.14	< 0.005	< 0.005	0.02	9.29
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.41	6.41	< 0.005	< 0.005	0.01	6.70
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	0.00

3.9. Building Construction (2026) - Unmitigated

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

Location	TOG	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	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	< 0.005	—	284

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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.26	0.14	2.28	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	395	395	0.01	0.02	1.37	402
Vendor	0.02	0.01	0.41	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	255	255	0.01	0.04	0.60	267
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.24	0.17	1.85	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	351	351	0.01	0.02	0.04	357
Vendor	0.02	0.01	0.43	0.19	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	256	256	0.01	0.04	0.02	267
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.11	1.34	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	260	260	0.01	0.01	0.42	264
Vendor	0.01	0.01	0.30	0.13	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	182	182	< 0.005	0.03	0.18	191
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.0	43.0	< 0.005	< 0.005	0.07	43.7
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.2	30.2	< 0.005	< 0.005	0.03	31.6
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	0.00

3.11. Building Construction (2027) - Unmitigated

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

Location	TOG	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	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.52	4.78	6.58	0.01	0.17	—	0.17	0.16	—	0.16	—	1,220	1,220	0.05	0.01	—	1,224
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	0.87	1.20	< 0.005	0.03	—	0.03	0.03	—	0.03	—	202	202	0.01	< 0.005	—	203
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.26	0.25	0.12	2.11	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	387	387	0.01	0.02	1.24	393
Vendor	0.02	0.01	0.39	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	250	250	0.01	0.04	0.52	261
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.15	1.71	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	344	344	0.01	0.02	0.03	349
Vendor	0.02	0.01	0.42	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	250	250	0.01	0.04	0.01	261
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	0.88	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	181	181	0.01	0.01	0.27	184
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	< 0.005	0.02	0.12	133
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.0	30.0	< 0.005	< 0.005	0.05	30.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.1	21.1	< 0.005	< 0.005	0.02	22.0
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	0.00

3.13. Paving (2027) - Unmitigated

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

Location	TOG	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	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.67	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	145
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.17	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.47	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	87.2	87.2	< 0.005	< 0.005	0.28	88.6
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.39	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	77.4	77.4	< 0.005	< 0.005	0.01	78.7
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.69	7.69	< 0.005	< 0.005	0.01	7.82
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.29
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	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	0.00

3.15. Architectural Coating (2027) - Unmitigated

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

Location	TOG	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	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134

Architectural	64.5	64.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Architectural Coatings	6.19	6.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.13
Architectural Coatings	1.13	1.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.34	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	68.8	68.8	< 0.005	< 0.005	0.01	69.9
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.83	6.83	< 0.005	< 0.005	0.01	6.94
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.15
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	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	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	6.48	6.07	5.20	45.2	0.11	0.08	9.74	9.82	0.08	2.47	2.55	—	11,645	11,645	0.43	0.55	33.1	11,853
Total	6.48	6.07	5.20	45.2	0.11	0.08	9.74	9.82	0.08	2.47	2.55	—	11,645	11,645	0.43	0.55	33.1	11,853
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	5.85	5.41	5.92	38.8	0.10	0.08	9.74	9.82	0.08	2.47	2.55	—	10,677	10,677	0.50	0.59	0.86	10,866

Total	5.85	5.41	5.92	38.8	0.10	0.08	9.74	9.82	0.08	2.47	2.55	—	10,677	10,677	0.50	0.59	0.86	10,866
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.06	0.98	1.00	6.95	0.02	0.01	1.71	1.73	0.01	0.43	0.45	—	1,773	1,773	0.08	0.09	2.31	1,804
Total	1.06	0.98	1.00	6.95	0.02	0.01	1.71	1.73	0.01	0.43	0.45	—	1,773	1,773	0.08	0.09	2.31	1,804

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	966	966	0.16	0.02	—	976
Total	—	—	—	—	—	—	—	—	—	—	—	—	966	966	0.16	0.02	—	976
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	966	966	0.16	0.02	—	976
Total	—	—	—	—	—	—	—	—	—	—	—	—	966	966	0.16	0.02	—	976
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.03	< 0.005	—	162
Total	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.03	< 0.005	—	162

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	2,307	2,307	0.20	< 0.005	—	2,314
Total	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	2,307	2,307	0.20	< 0.005	—	2,314
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	2,307	2,307	0.20	< 0.005	—	2,314
Total	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	2,307	2,307	0.20	< 0.005	—	2,314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.04	0.02	0.33	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	382	382	0.03	< 0.005	—	383
Total	0.04	0.02	0.33	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	382	382	0.03	< 0.005	—	383

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	9.48	4.69	2.22	42.4	0.15	6.08	—	6.08	5.86	—	5.86	1,005	1,948	2,953	4.74	< 0.005	—	3,073

Consum Products	7.72	7.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.62	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.97	0.91	0.10	10.5	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Total	18.8	13.9	2.31	52.9	0.15	6.09	—	6.09	5.87	—	5.87	1,005	1,976	2,981	4.74	< 0.005	—	3,101
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	9.48	4.69	2.22	42.4	0.15	6.08	—	6.08	5.86	—	5.86	1,005	1,948	2,953	4.74	< 0.005	—	3,073
Consumer Products	7.72	7.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.62	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	17.8	13.0	2.22	42.4	0.15	6.08	—	6.08	5.86	—	5.86	1,005	1,948	2,953	4.74	< 0.005	—	3,073
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.39	0.19	0.09	1.74	0.01	0.25	—	0.25	0.24	—	0.24	37.4	72.4	110	0.18	< 0.005	—	114
Consumer Products	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.09	0.08	0.01	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.29	2.29	< 0.005	< 0.005	—	2.30
Total	2.00	1.80	0.10	2.69	0.01	0.25	—	0.25	0.24	—	0.24	37.4	74.7	112	0.18	< 0.005	—	117

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Total	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Total	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.37	10.9	13.2	0.24	0.01	—	21.1
Total	—	—	—	—	—	—	—	—	—	—	—	2.37	10.9	13.2	0.24	0.01	—	21.1

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Total	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Total	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	14.7	0.00	14.7	1.47	0.00	—	51.3
Total	—	—	—	—	—	—	—	—	—	—	—	14.7	0.00	14.7	1.47	0.00	—	51.3

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43	0.43
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43	0.43

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	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. 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	TOG	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	TOG	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	TOG	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
Demolition	Demolition	6/3/2025	7/15/2025	5.00	30.0	—
Site Preparation	Site Preparation	7/16/2025	8/13/2025	5.00	20.0	—
Grading	Grading	8/14/2025	10/16/2025	5.00	45.0	—
Building Construction	Building Construction	10/17/2025	9/17/2027	5.00	500	—
Paving	Paving	9/18/2027	11/6/2027	5.00	35.0	—
Architectural Coating	Architectural Coating	11/7/2027	12/26/2027	5.00	35.0	—

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
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73

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
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	7.70	LDA,LDT1,LDT2
Demolition	Vendor	—	4.00	HHDT,MHDT
Demolition	Hauling	5.27	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT

Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	7.70	LDA,LDT1,LDT2
Site Preparation	Vendor	—	4.00	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	7.70	LDA,LDT1,LDT2
Grading	Vendor	—	4.00	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	66.6	7.70	LDA,LDT1,LDT2
Building Construction	Vendor	19.8	4.00	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	7.70	LDA,LDT1,LDT2
Paving	Vendor	—	4.00	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	13.3	7.70	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	4.00	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	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)
Architectural Coating	730,519	243,506	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	630	—
Site Preparation	—	—	30.0	0.00	—
Grading	—	—	135	0.00	—
Paving	0.00	0.00	0.00	0.00	2.04

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	2.04	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	204	0.03	< 0.005

2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	1,746	1,765	1,582	629,815	13,628	13,773	12,343	4,914,813

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	93
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	93
Conventional Wood Stoves	0
Catalytic Wood Stoves	9
Non-Catalytic Wood Stoves	9
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

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)
730518.75	243,506	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	1,729,118	204	0.0330	0.0040	7,198,779

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	7,454,760	36,355,251

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	164	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

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	29.6	annual days of extreme heat
Extreme Precipitation	1.00	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	3	0	0	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	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	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	3	1	1	3
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	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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	72.5
AQ-PM	85.7
AQ-DPM	27.1
Drinking Water	83.3
Lead Risk Housing	46.4
Pesticides	92.8
Toxic Releases	53.1
Traffic	15.8
Effect Indicators	—
CleanUp Sites	37.6
Groundwater	47.4
Haz Waste Facilities/Generators	83.4
Impaired Water Bodies	0.00
Solid Waste	73.0

Sensitive Population	—
Asthma	62.5
Cardio-vascular	68.9
Low Birth Weights	39.9
Socioeconomic Factor Indicators	—
Education	97.1
Housing	27.8
Linguistic	91.9
Poverty	94.4
Unemployment	82.7

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	20.00513281
Employed	47.36301809
Median HI	21.01886308
Education	—
Bachelor's or higher	2.912870525
High school enrollment	100
Preschool enrollment	19.04273066
Transportation	—
Auto Access	24.53483896
Active commuting	13.65327858
Social	—
2-parent households	34.7747979
Voting	7.853201591

Neighborhood	—
Alcohol availability	72.01334531
Park access	52.97061465
Retail density	15.03913769
Supermarket access	39.76645708
Tree canopy	8.943924034
Housing	—
Homeownership	34.67214167
Housing habitability	45.19440524
Low-inc homeowner severe housing cost burden	59.96407032
Low-inc renter severe housing cost burden	59.88707815
Uncrowded housing	26.43397921
Health Outcomes	—
Insured adults	12.498396
Arthritis	0.0
Asthma ER Admissions	36.9
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	23.9
Cognitively Disabled	38.1
Physically Disabled	26.6
Heart Attack ER Admissions	11.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0

Obesity	0.0
Pedestrian Injuries	41.0
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	6.8
Elderly	70.8
English Speaking	11.9
Foreign-born	74.6
Outdoor Workers	2.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	63.1
Traffic Density	5.7
Traffic Access	0.0
Other Indices	—
Hardship	85.3
Other Decision Support	—
2016 Voting	13.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0

Healthy Places Index Score for Project Location (b)	17.0
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
Land Use	Project Description

APPENDIX B
HRA Construction Worksheets

```
**AERMOD INPUT FILE CREATED BY HARP VERSION 22118
**DATE CREATED: 5/29/2025 4:58:17 PM
**
CO STARTING
   TITLEONE  Harvest Estates Construction
   TITLETWO
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL "D:\Extra HDD Files\JK Consulting Group Project Files\2025-005 Harvest
Estates AQ-GHG-Energy\HRA\KERMAN HARVEST ESTATES\KERMAN HARVEST ESTATES_AERMOD.ERR"
CO FINISHED
**
**SOURCES
SO STARTING
**SOURCES LOCATIONS
   LOCATION 001 VOLUME  762678.6  4069913  67.74
   LOCATION 002 POINT  762652.5  4069914  67.67
   LOCATION 003 LINE  762514.5  4069874  762698.1  4069875  67.46
   LOCATION 004 LINE  762515.8  4069865  762700.7  4069866  67.44
**SOURCES PARAMETERS
   SRCPARAM 001 1 3.05 3.544186  1.4176744
   SRCPARAM 002 1 3.84 366  50  0.1
   SRCPARAM 003 0.00195 3.66 2.8 3.66
   SRCPARAM 004 0.00193 0 2.8 3.66
   SRCGROUP 001 001
   SRCGROUP 002 002
   SRCGROUP 003 003
   SRCGROUP 004 004
SO FINISHED
**
**RECEPTORS
RE STARTING
   INCLUDED "D:\Extra HDD Files\JK Consulting Group Project Files\2025-005 Harvest
Estates AQ-GHG-Energy\HRA\KERMAN HARVEST ESTATES\KERMAN HARVEST ESTATES_AERMAP.REC"
RE FINISHED
**
**MET PATHWAY
ME STARTING
ME SURFFILE "D:\Extra HDD Files\JK Consulting Group Project Files\2025-005 Harvest
Estates AQ-GHG-Energy\HRA\Meteor\Fresno_18-22.SFC"
ME PROFFILE "D:\Extra HDD Files\JK Consulting Group Project Files\2025-005 Harvest
Estates AQ-GHG-Energy\HRA\Meteor\Fresno_18-22.PFL"
ME SURFDATA 93193 2018
ME UAIRDATA 23230 2018
ME SITEDATA 0 2018
ME PROFBASE 101.5
ME FINISHED
**
```

```
**OUTPUT PATHWAY
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   PLOTFILE 1 001 1ST "D:\Extra HDD Files\JK Consulting Group Project Files\2025-005
Harvest Estates AQ-GHG-Energy\HRA\KERMAN HARVEST ESTATES\plt\MAX1HR001.PLT" 31
   PLOTFILE 1 002 1ST "D:\Extra HDD Files\JK Consulting Group Project Files\2025-005
Harvest Estates AQ-GHG-Energy\HRA\KERMAN HARVEST ESTATES\plt\MAX1HR002.PLT" 32
   PLOTFILE 1 003 1ST "D:\Extra HDD Files\JK Consulting Group Project Files\2025-005
Harvest Estates AQ-GHG-Energy\HRA\KERMAN HARVEST ESTATES\plt\MAX1HR003.PLT" 33
   PLOTFILE 1 004 1ST "D:\Extra HDD Files\JK Consulting Group Project Files\2025-005
Harvest Estates AQ-GHG-Energy\HRA\KERMAN HARVEST ESTATES\plt\MAX1HR004.PLT" 34
   PLOTFILE PERIOD 001 "D:\Extra HDD Files\JK Consulting Group Project
Files\2025-005 Harvest Estates AQ-GHG-Energy\HRA\KERMAN HARVEST
ESTATES\plt\PERIOD001.PLT" 35
   PLOTFILE PERIOD 002 "D:\Extra HDD Files\JK Consulting Group Project
Files\2025-005 Harvest Estates AQ-GHG-Energy\HRA\KERMAN HARVEST
ESTATES\plt\PERIOD002.PLT" 36
   PLOTFILE PERIOD 003 "D:\Extra HDD Files\JK Consulting Group Project
Files\2025-005 Harvest Estates AQ-GHG-Energy\HRA\KERMAN HARVEST
ESTATES\plt\PERIOD003.PLT" 37
   PLOTFILE PERIOD 004 "D:\Extra HDD Files\JK Consulting Group Project
Files\2025-005 Harvest Estates AQ-GHG-Energy\HRA\KERMAN HARVEST
ESTATES\plt\PERIOD004.PLT" 38
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 CO W200       6       TITLES: Missing Parameter(s). No Options Specified For
 TITLETWO
 ME W186      45       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187      45       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 **********************************
 *** SETUP Finishes Successfully ***
```

```
 ***********************************

 *** AERMOD - VERSION 21112  ***   ***  Harvest Estates Construction
                             ***        05/29/25
 *** AERMET - VERSION  21112 ***   ***
                            ***        16:58:21

                                       PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  OTHER

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:      4 Source(s);       4 Source Group(s); and       5
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      1 VOLUME source(s)
```

```
                and:      0 AREA type source(s)
                and:      2 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  21112

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   101.50 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   D:\Extra HDD Files\JK Consulting Group Project
Files\2025-005 Harvest Estates AQ-GHG-Energy\HRA\
 *** AERMOD - VERSION 21112  ***   ***  Harvest Estates Construction
                          ***        05/29/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:58:21

                                    PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                  *** POINT SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE     STACK   STACK
```

```
STACK     STACK    BLDG   URBAN  CAP/  EMIS RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.    HEIGHT  TEMP.   EXIT
VEL. DIAMETER  EXISTS SOURCE HOR   SCALAR
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (DEG.K)
(M/SEC)  (METERS)                    VARY BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 002              0   0.10000E+01  762652.5 4069914.0    67.7     3.84   366.00
50.00     0.10    NO      NO    NO
 *** AERMOD - VERSION 21112  ***   ***  Harvest Estates Construction
                          ***        05/29/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:58:21

                                  PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 001              0   0.10000E+01  762678.6 4069913.0    67.7     3.05     3.54
1.42     NO
 *** AERMOD - VERSION 21112  ***   ***  Harvest Estates Construction
                          ***        05/29/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:58:21

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                                  *** LINE SOURCE DATA ***

               NUMBER EMISSION RATE     FIRST COORD        SECOND COORD     BASE
RELEASE    WIDTH    INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC        X       Y           X       Y      ELEV.
HEIGHT    OF LINE    SZ     SOURCE SCALAR VARY
     ID         CATS.   /METER**2)   (METERS) (METERS)   (METERS) (METERS) (METERS)
(METERS)  (METERS) (METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - -

 003              0   0.19500E-02  762514.5 4069874.0  762698.1 4069875.0    67.5
 3.66      2.80     3.66     NO
 004              0   0.19300E-02  762515.8 4069865.0  762700.7 4069866.0    67.4
 0.00      2.80     3.66     NO
 *** AERMOD - VERSION 21112  ***   ***  Harvest Estates Construction
                          ***        05/29/25
 *** AERMET - VERSION  21112 ***   ***
                          ***       16:58:21

                                    PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*


                                              *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                              SOURCE IDs
 -----------                                              ----------


  001        001         ,

  002        002         ,

  003        003         ,

  004        004         ,
 *** AERMOD - VERSION 21112  ***   ***  Harvest Estates Construction
                          ***        05/29/25
 *** AERMET - VERSION  21112 ***   ***
                          ***       16:58:21

                                    PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 762073.2, 4070261.0,      67.1,      67.1,       0.0);         ( 762215.1,
4070346.0,      67.6,      67.6,       0.0);
     ( 762478.1, 4070259.0,      68.0,      68.0,       0.0);         ( 762384.4,
4070021.0,      67.4,      67.4,       0.0);
     ( 762336.2, 4069796.0,      67.4,      67.4,       0.0);

 *** AERMOD - VERSION 21112  ***   ***  Harvest Estates Construction
                          ***        05/29/25
 *** AERMET - VERSION  21112 ***   ***
                          ***       16:58:21
```

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: D:\Extra HDD Files\JK Consulting Group Project Files\2025-005 Harvest Estates AQ Met Version: 21112
Profile file: D:\Extra HDD Files\JK Consulting Group Project Files\2025-005 Harvest Estates AQ

Surface format: FREE

Profile format: FREE

Surface station no.: 93193 Upper air station no.: 23230
Name: UNKNOWN Name: UNKNOWN

Year: 2018 Year: 2018

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
18	01	01	1	01	-6.0	0.108	-9.000	-9.000	-999.	85.	18.7	0.17	1.06	1.00	1.20	347.	10.0	280.9	2.0
18	01	01	1	02	-2.0	0.062	-9.000	-9.000	-999.	38.	10.9	0.02	1.06	1.00	0.91	174.	10.0	279.2	2.0
18	01	01	1	03	-3.4	0.076	-9.000	-9.000	-999.	50.	11.8	0.03	1.06	1.00	1.20	265.	10.0	279.2	2.0
18	01	01	1	04	-5.1	0.095	-9.000	-9.000	-999.	71.	15.2	0.06	1.06	1.00	1.35	316.	10.0	278.1	2.0
18	01	01	1	05	-8.8	0.123	-9.000	-9.000	-999.	104.	19.1	0.04	1.06	1.00	1.87	96.	10.0	277.0	2.0
18	01	01	1	06	-2.6	0.067	-9.000	-9.000	-999.	43.	10.7	0.02	1.06	1.00	1.08	177.	10.0	277.5	2.0
18	01	01	1	07	-3.7	0.078	-9.000	-9.000	-999.	52.	11.5	0.02	1.06	1.00	1.33	181.	10.0	277.5	2.0
18	01	01	1	08	-15.2	0.167	-9.000	-9.000	-999.	164.	30.7	0.06	1.06	0.65	2.32	76.	10.0	276.4	2.0
18	01	01	1	09	-3.5	0.149	-9.000	-9.000	-999.	139.	86.8	0.04	1.06	0.36	2.15	109.	10.0	278.1	2.0
18	01	01	1	10	56.2	0.204	0.651	0.006	177.	221.	-13.6	0.04	1.06	0.26	2.37	134.	10.0	281.4	2.0
18	01	01	1	11	92.0	0.233	1.067	0.016	477.	270.	-12.4	0.04	1.06	0.22	2.62	105.	10.0	283.1	2.0
18	01	01	1	12	116.8	0.202	1.234	0.018	581.	219.	-6.4	0.04	1.06	0.21	2.11	102.	10.0	285.9	2.0
18	01	01	1	13	112.5	0.144	1.280	0.019	673.	132.	-2.4	0.02	1.06	0.21	1.55	183.	10.0	287.5	2.0
18	01	01	1	14	84.0	0.122	1.190	0.019	723.	103.	-2.0	0.02	1.06	0.22	1.28	200.	10.0	289.2	2.0
18	01	01	1	15	57.9	0.161	1.059	0.019	738.	155.	-6.5	0.03	1.06	0.26	1.81	262.	10.0	290.4	2.0
18	01	01	1	16	16.8	0.124	0.702	0.019	742.	105.	-10.3	0.03	1.06	0.35	1.47	259.	10.0	289.9	2.0
18	01	01	1	17	-2.5	0.068	-9.000	-9.000	-999.	44.	11.3	0.02	1.06	0.62	1.14	297.	10.0	287.5	2.0
18	01	01	1	18	-7.4	0.111	-9.000	-9.000	-999.	89.	16.9	0.03	1.06	1.00	1.84	239.	10.0	286.4	2.0

```
 18 01 01   1 19   -4.0  0.085 -9.000 -9.000 -999.   60.     13.8  0.06   1.06
1.00    1.21   83.   10.0  284.9    2.0
 18 01 01   1 20  -10.4  0.137 -9.000 -9.000 -999.  122.     22.3  0.06   1.06
1.00    1.93   76.   10.0  283.8    2.0
 18 01 01   1 21   -4.7  0.090 -9.000 -9.000 -999.   65.     14.0  0.04   1.06
1.00    1.38  109.   10.0  283.1    2.0
 18 01 01   1 22   -4.1  0.084 -9.000 -9.000 -999.   58.     13.0  0.04   1.06
1.00    1.30  127.   10.0  281.4    2.0
 18 01 01   1 23  -11.7  0.145 -9.000 -9.000 -999.  133.     23.6  0.06   1.06
1.00    2.04   70.   10.0  280.9    2.0
 18 01 01   1 24   -3.4  0.079 -9.000 -9.000 -999.   54.     13.0  0.06   1.06
1.00    1.09   80.   10.0  281.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 18 01 01 01   10.0 1  347.    1.20   281.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
1 *** AERMOD - VERSION 21112  ***   ***  Harvest Estates Construction
                          ***        05/29/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:58:21

                                    PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

                                 *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: 001        ***
                                    INCLUDING SOURCE(S):     001         ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF OTHER    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         762073.20    4070261.00        4.97071                       762215.10
4070346.00        4.20513
         762478.10    4070259.00        6.29383                       762384.40
4070021.00       20.50097
         762336.20    4069796.00       17.32042

1 *** AERMOD - VERSION 21112  ***   ***  Harvest Estates Construction
                          ***        05/29/25
 *** AERMET - VERSION  21112 ***   ***
```

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 002 ***
INCLUDING SOURCE(S): 002 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
762073.20	4070261.00	3.40811	762215.10	4070346.00	2.57343
762478.10	4070259.00	2.64480	762384.40	4070021.00	8.03236
762336.20	4069796.00	6.97249			

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 003 ***
INCLUDING SOURCE(S): 003 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
762073.20	4070261.00	4.91069	762215.10	4070346.00	3.23548
762478.10	4070259.00	4.02621	762384.40		

4070021.00   22.39133
         762336.20   4069796.00   29.82292

↑ *** AERMOD - VERSION 21112 ***   *** Harvest Estates Construction
                         ***   05/29/25
 *** AERMET - VERSION 21112 ***   ***
                       ***   16:58:21

                                  PAGE 12
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: 004   ***
                                  INCLUDING SOURCE(S):   004   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF OTHER   IN MICROGRAMS/M**3
                   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
762073.20	4070261.00	4.83300	762215.10	4070346.00	2.96732
762478.10	4070259.00	3.83485	762384.40	4070021.00	21.51137
762336.20	4069796.00	32.15722			

↑ *** AERMOD - VERSION 21112 ***   *** Harvest Estates Construction
                         ***   05/29/25
 *** AERMET - VERSION 21112 ***   ***
                       ***   16:58:21

                                  PAGE 13
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: 001   ***
                                  INCLUDING SOURCE(S):   001   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF OTHER   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)

Y-COORD (M)   CONC   (YYMMDDHH)
- -
762073.20   4070261.00   366.48959 (20120924)   762215.10
4070346.00   453.44335 (20010320)
762478.10   4070259.00   810.58672 (18122201)   762384.40
4070021.00   916.77304 (20011908)
762336.20   4069796.00   676.87466 (20020708)

↑ *** AERMOD - VERSION 21112 ***   *** Harvest Estates Construction
***   05/29/25
*** AERMET - VERSION 21112 ***   ***
***   16:58:21

PAGE 14
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: 002   ***
INCLUDING SOURCE(S):   002   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF OTHER   IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
- -
762073.20   4070261.00   171.16332 (20060303)   762215.10
4070346.00   181.90495 (20020321)
762478.10   4070259.00   267.42279 (18012817)   762384.40
4070021.00   285.91841 (19062306)
762336.20   4069796.00   239.50721 (19062206)

↑ *** AERMOD - VERSION 21112 ***   *** Harvest Estates Construction
***   05/29/25
*** AERMET - VERSION 21112 ***   ***
***   16:58:21

PAGE 15
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: 003   ***
INCLUDING SOURCE(S):   003   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

***

** CONC OF OTHER IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
762073.20	4070261.00	450.83422	(20120601)	762215.10	4070346.00	562.24699	(19011917)
762478.10	4070259.00	653.02936	(22031118)	762384.40	4070021.00	1292.77886	(18110317)
762336.20	4069796.00	1141.34393	(20113008)				

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: 004 ***
INCLUDING SOURCE(S): 004 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
762073.20	4070261.00	646.65188	(20120601)	762215.10	4070346.00	698.33584	(19011917)
762478.10	4070259.00	723.84229	(22031118)	762384.40	4070021.00	1509.24517	(18110317)
762336.20	4069796.00	1901.04051	(20092907)				

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
001	1ST HIGHEST VALUE IS	20.50097 AT	(762384.40, 4070021.00, 67.36, 67.36, 0.00)	DC	
	2ND HIGHEST VALUE IS	17.32042 AT	(762336.20, 4069796.00, 67.36, 67.36, 0.00)	DC	
	3RD HIGHEST VALUE IS	6.29383 AT	(762478.10, 4070259.00, 67.97, 67.97, 0.00)	DC	
	4TH HIGHEST VALUE IS	4.97071 AT	(762073.20, 4070261.00, 67.06, 67.06, 0.00)	DC	
	5TH HIGHEST VALUE IS	4.20513 AT	(762215.10, 4070346.00, 67.62, 67.62, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
002	1ST HIGHEST VALUE IS	8.03236 AT	(762384.40, 4070021.00, 67.36, 67.36, 0.00)	DC	
	2ND HIGHEST VALUE IS	6.97249 AT	(762336.20, 4069796.00, 67.36, 67.36, 0.00)	DC	
	3RD HIGHEST VALUE IS	3.40811 AT	(762073.20, 4070261.00, 67.06, 67.06, 0.00)	DC	
	4TH HIGHEST VALUE IS	2.64480 AT	(762478.10, 4070259.00, 67.97, 67.97, 0.00)	DC	
	5TH HIGHEST VALUE IS	2.57343 AT	(762215.10, 4070346.00, 67.62, 67.62, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

```
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)

003       1ST HIGHEST VALUE IS      29.82292 AT (  762336.20,  4069796.00,    67.36,
   67.36,    0.00)  DC
          2ND HIGHEST VALUE IS      22.39133 AT (  762384.40,  4070021.00,    67.36,
   67.36,    0.00)  DC
          3RD HIGHEST VALUE IS       4.91069 AT (  762073.20,  4070261.00,    67.06,
   67.06,    0.00)  DC
          4TH HIGHEST VALUE IS       4.02621 AT (  762478.10,  4070259.00,    67.97,
   67.97,    0.00)  DC
          5TH HIGHEST VALUE IS       3.23548 AT (  762215.10,  4070346.00,    67.62,
   67.62,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)

004       1ST HIGHEST VALUE IS      32.15722 AT (  762336.20,  4069796.00,    67.36,
   67.36,    0.00)  DC
          2ND HIGHEST VALUE IS      21.51137 AT (  762384.40,  4070021.00,    67.36,
   67.36,    0.00)  DC
          3RD HIGHEST VALUE IS       4.83300 AT (  762073.20,  4070261.00,    67.06,
   67.06,    0.00)  DC
          4TH HIGHEST VALUE IS       3.83485 AT (  762478.10,  4070259.00,    67.97,
   67.97,    0.00)  DC
          5TH HIGHEST VALUE IS       2.96732 AT (  762215.10,  4070346.00,    67.62,
   67.62,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
          7TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
          8TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
          9TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
         10TH HIGHEST VALUE IS       0.00000 AT (       0.00,        0.00,     0.00,
    0.00,    0.00)
```

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
001 HIGH	1ST HIGH VALUE IS	916.77304	ON 20011908: AT (762384.40, 4070021.00, 67.36, 67.36, 0.00)	DC	
002 HIGH	1ST HIGH VALUE IS	285.91841	ON 19062306: AT (762384.40, 4070021.00, 67.36, 67.36, 0.00)	DC	
003 HIGH	1ST HIGH VALUE IS	1292.77886	ON 18110317: AT (762384.40, 4070021.00, 67.36, 67.36, 0.00)	DC	
004 HIGH	1ST HIGH VALUE IS	1901.04051	ON 20092907: AT (762336.20, 4069796.00, 67.36, 67.36, 0.00)	DC	

```
*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            5 Warning Message(s)
A Total of         1361 Informational Message(s)

A Total of        43824 Hours Were Processed

A Total of          750 Calm Hours Identified

A Total of          611 Missing Hours Identified (  1.39 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
CO W200       6       TITLES: Missing Parameter(s). No Options Specified For
TITLETWO
ME W186      45       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187      45       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

MX W420    7582        METQA: Wind Speed Out-of-Range.   KURDAT =
18111222
MX W420    7588        METQA: Wind Speed Out-of-Range.   KURDAT =
18111304

   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

*HARP - HRACalc v22118 5/29/2025 5:04:23 PM - Cancer Risk - Input File: D:\Extra HDD Files\JK Consulting Group Project Files\2025-005 Harvest Estate

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK
1	SENSITIV	Residenc	762073.2	4070261	0.023125	9901	DieselExhP	7.91E-06	2YrCancerI	*	7.91E-06	0.00E+00
2	SENSITIV	Residenc	762215.1	4070346	0.019458	9901	DieselExhP	6.66E-06	2YrCancerI	*	6.66E-06	0.00E+00
3	SENSITIV	Residenc	762478.1	4070259	0.029029	9901	DieselExhP	9.93E-06	2YrCancerI	*	9.93E-06	0.00E+00
4	SENSITIV	Residenc	762384.4	4070021	0.095621	9901	DieselExhP	3.27E-05	2YrCancerI	*	3.27E-05	0.00E+00
5	SENSITIV	School 1	762336.2	4069796	0.082047	9901	DieselExhP	2.81E-05	2YrCancerI	*	2.81E-05	0.00E+00

s AQ-GHG-Energy\HRA\KERMAN HARVEST ESTATES\hra\ConstructionCancerHRAInput.hra

DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_I	EGG_RISK	1ST_DRIVE	2ND_DRIVER
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
0.00E+00	0.00E+00	0.00E+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 v22118 5/29/2025 5:05:50 PM - Chronic Risk - Input File: D:\Extra HDD Files\JK Consulting Group Project Files\2025-005 Harvest Estate

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	SCENARIO	CV	CNS	IMMUN	KIDNEY
1	SENSITIV	Residenc	762073.2	4070261	0.023125	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	SENSITIV	Residenc	762215.1	4070346	0.019458	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	SENSITIV	Residenc	762478.1	4070259	0.029029	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	SENSITIV	Residenc	762384.4	4070021	0.095621	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	SENSITIV	School 1	762336.2	4069796	0.082047	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00

es AQ-GHG-Energy\HRA\KERMAN HARVEST ESTATES\hra\ConstructionChronicHRAInput.hra

GILV	REPRO/DE\	RESP	SKIN	EYE	BONE/TEET	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE
0.00E+00	0.00E+00	4.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.31E-02	0.00E+00
0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.95E-02	0.00E+00
0.00E+00	0.00E+00	5.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.90E-02	0.00E+00
0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.56E-02	0.00E+00
0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.20E-02	0.00E+00

DERMAL_D	MMILK_DO	WATER_DO	FISH_DOSE	CROP_DOS	BEEF_DOSI	DAIRY_DOS	PIG_DOSE	CHICKEN_I	EGG_DOSE	1ST_DRIVE	2ND_DRIVE	3RD_DRIVE
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
0.00E+00	0.00E+00	0.00E+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 v22118 5/29/2025 5:18:49 PM - Cancer Risk - Input File: D:\Extra HDD Files\JK Consulting Group Project Files\2025-005 Harvest Estate

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK
1	SENSITIV	Residenc	762073.2	4070261	0.00698	9901	DieselExhP	2.39E-06	2YrCancerI	*	2.39E-06	0.00E+00
2	SENSITIV	Residenc	762215.1	4070346	0.005799	9901	DieselExhP	1.98E-06	2YrCancerI	*	1.98E-06	0.00E+00
3	SENSITIV	Residenc	762478.1	4070259	0.008586	9901	DieselExhP	2.94E-06	2YrCancerI	*	2.94E-06	0.00E+00
4	SENSITIV	Residenc	762384.4	4070021	0.02903	9901	DieselExhP	9.93E-06	2YrCancerI	*	9.93E-06	0.00E+00
5	SENSITIV	School 1	762336.2	4069796	0.025788	9901	DieselExhP	8.82E-06	2YrCancerI	*	8.82E-06	0.00E+00

s AQ-GHG-Energy\HRA\KERMAN HARVEST ESTATES\hra\ConstructionCancerMITIGATIONHRAInput.hra

DERMAL_R	MMILK_RIS	WATER_RIS	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_I	EGG_RISK	1ST_DRIVE	2ND_DRIVER
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

May 29, 2025

Bonique Emerson, VP of Planning
Precision Civil Engineering Inc
1234 O Street
Fresno, CA 93721
559-449-4500

RE: Kerman Harvest Estates Development Energy Assessment

Ms. Bonique Emerson:

JK Consulting Group prepared the following Energy Assessment for the proposed Kerman Harvest Estates Project located in Kerman, CA. The Project, generally located at the southeast quadrant of Nielsen Avenue and Madera Avenue-State Route (SR) 145, comprises of approximately 31 acres of medium density residential or 185 single family homes and 21 acres of future general commercial (APNs 025-130-47,48 and 60S / Approximately 53 net acres in total). The Project proposes to change the land use configuration of the general plan to reorient the commercial and residential designated areas. The Project site is currently used for agricultural and is considered a Prime Farmland area. Figures 1 and 2 provide the regional and local context of the Project. Figure 3 depicts the Project Layout and Figure 4 depicts the site plan.

INTRODUCTION

An Energy Assessment must include a detailed statement setting forth mitigation measures proposed to minimize a project's significant environmental effects, including, but not limited to, measures to reduce wasteful, inefficient, or unnecessary energy consumption, as required by Section 21100(b) of the California Environmental Quality Act (CEQA) Guidelines (State CEQA Guidelines). According to Appendix F of the State CEQA Guidelines, prospective energy implications of a project shall be considered, to the extent appropriate and applicable to the project, to guarantee that energy implications are considered in project choices. Appendix F further states that a project's energy consumption and proposed conservation measures may be addressed, as relevant and applicable, in the Project Description, Environmental Setting and Impact Analysis portions of technical sections, as well as through mitigation measures and alternatives.

This Energy Assessment includes relevant information and analyses that address the energy implications of the Project. The Project's anticipated energy use (including fuel consumption) and energy conserving components are evaluated in this section to determine whether the project would result in unnecessary or wasteful energy consumption. The discussion of the project's anticipated energy use includes fuel consumption.

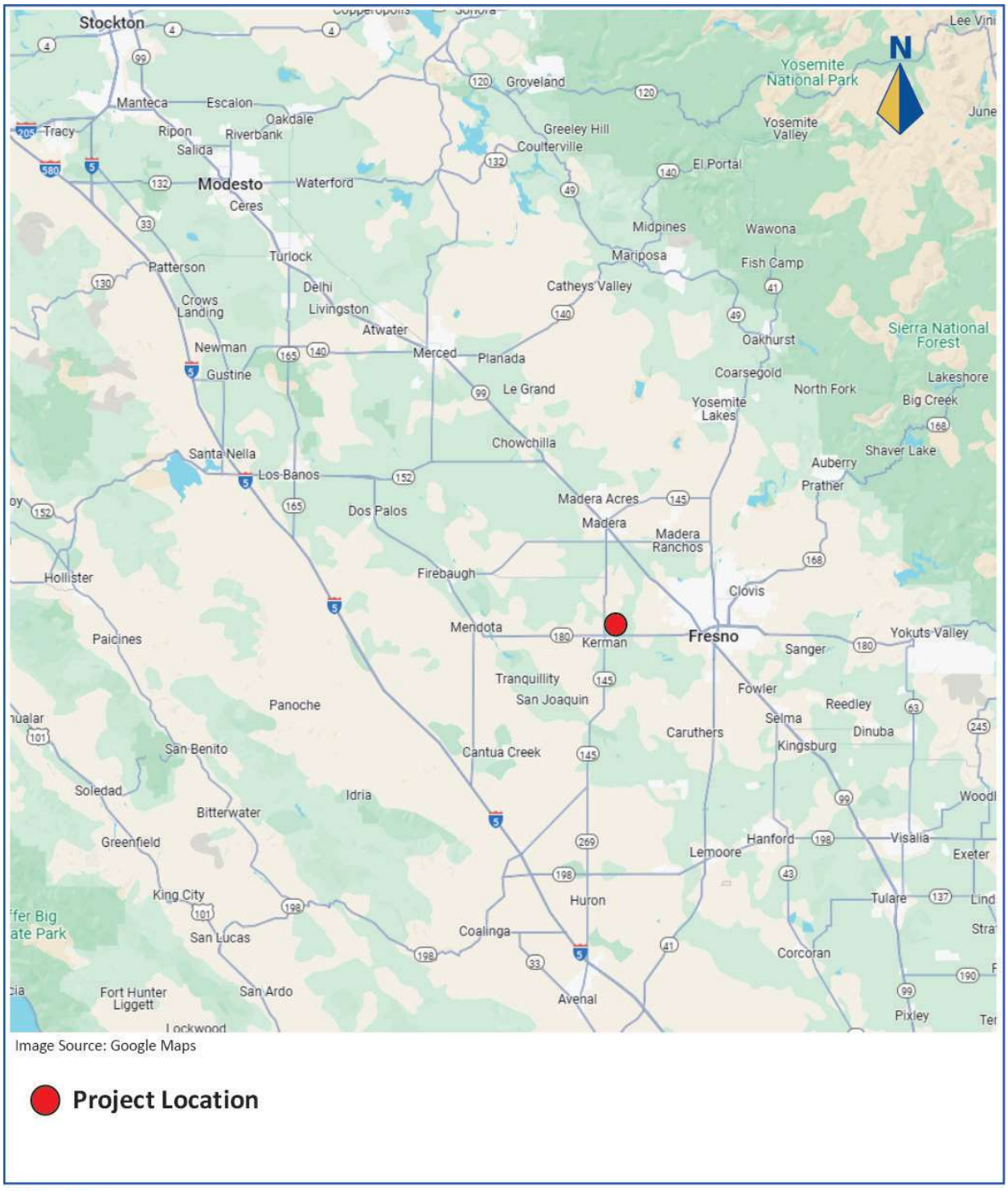


Image Source: Google Maps

Project Location

FIGURE 1
Regional Location

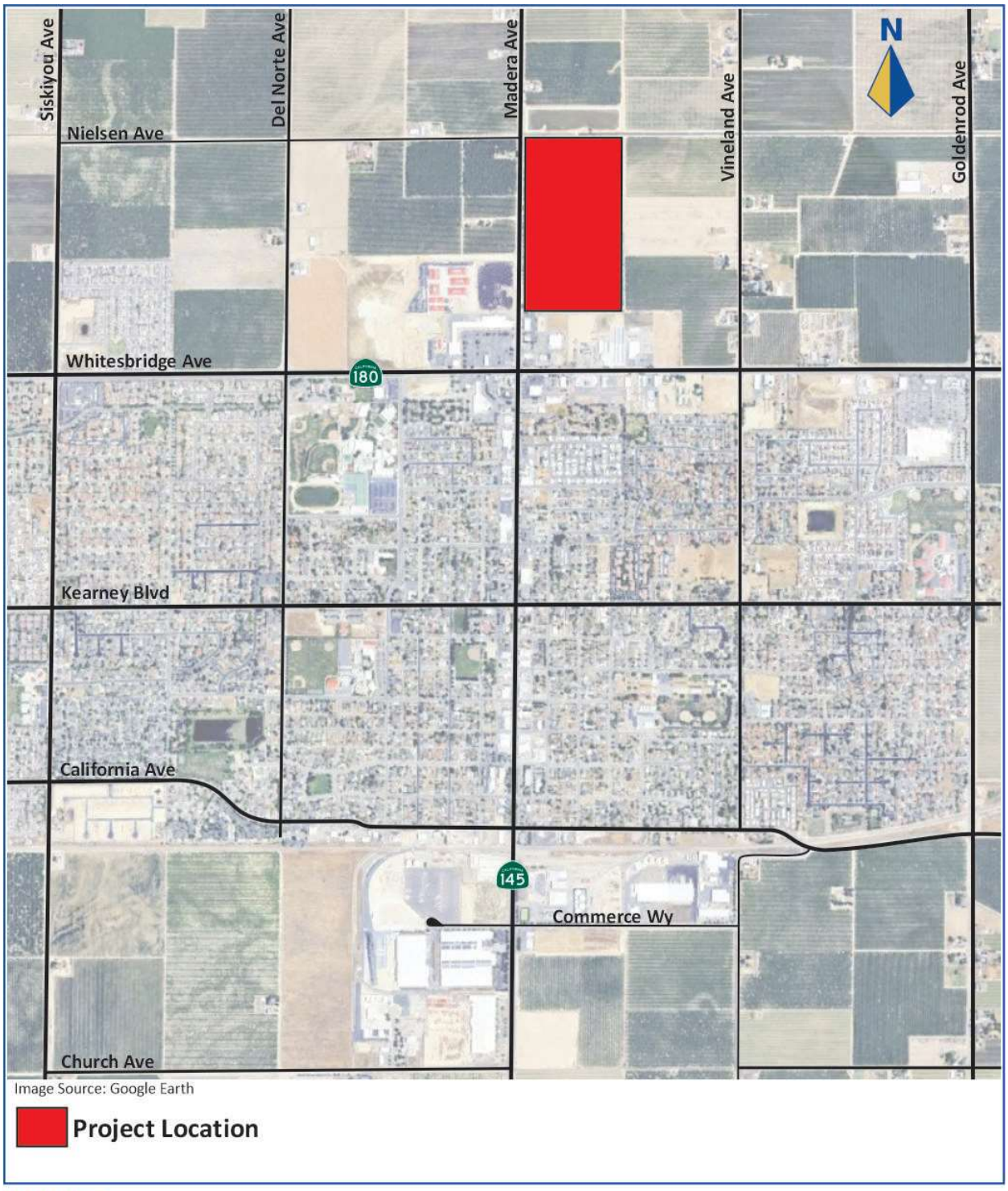


FIGURE 2
Project Location

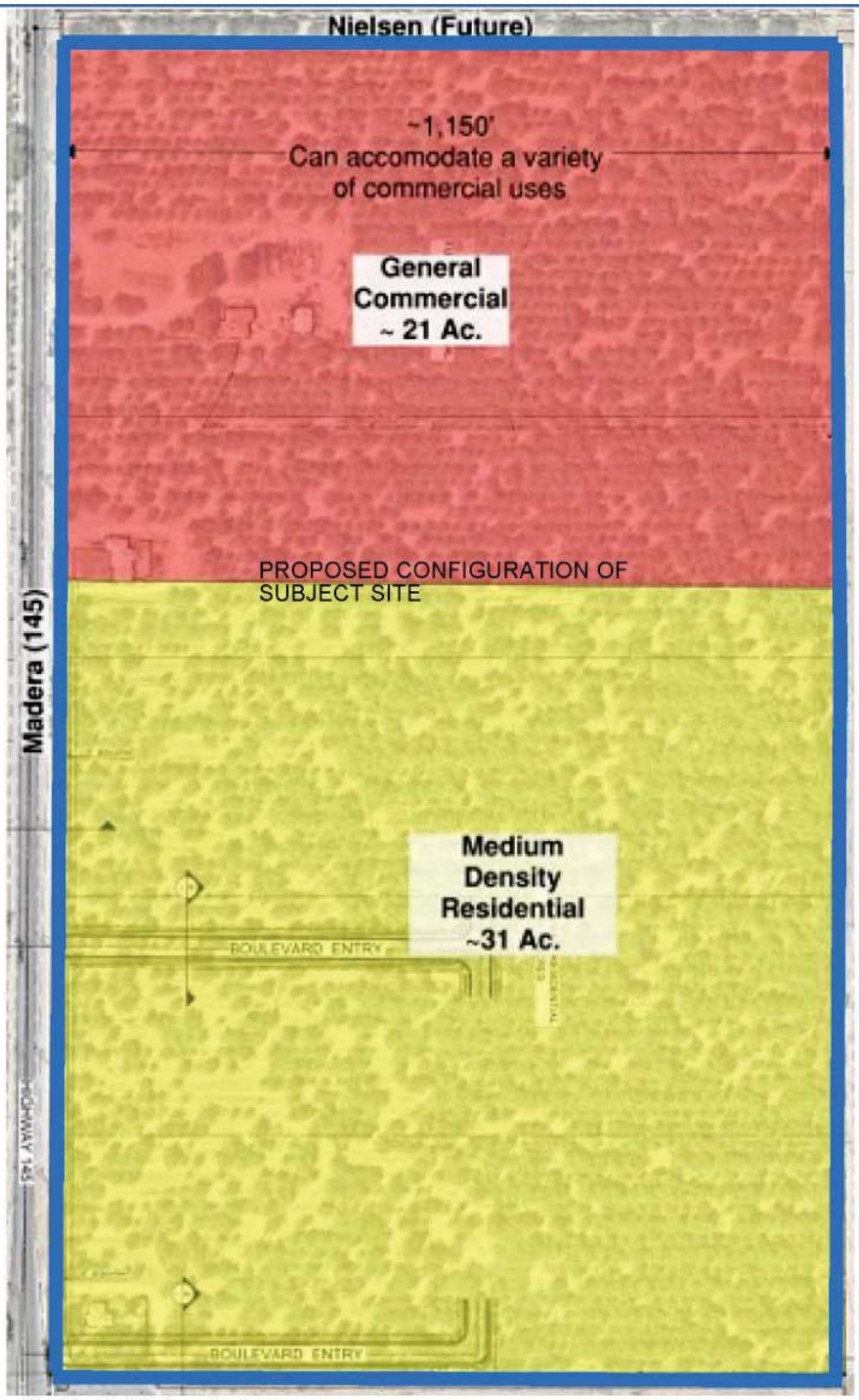


Image Source: Precision Civil Engineering, Inc

FIGURE 3
Project Layout

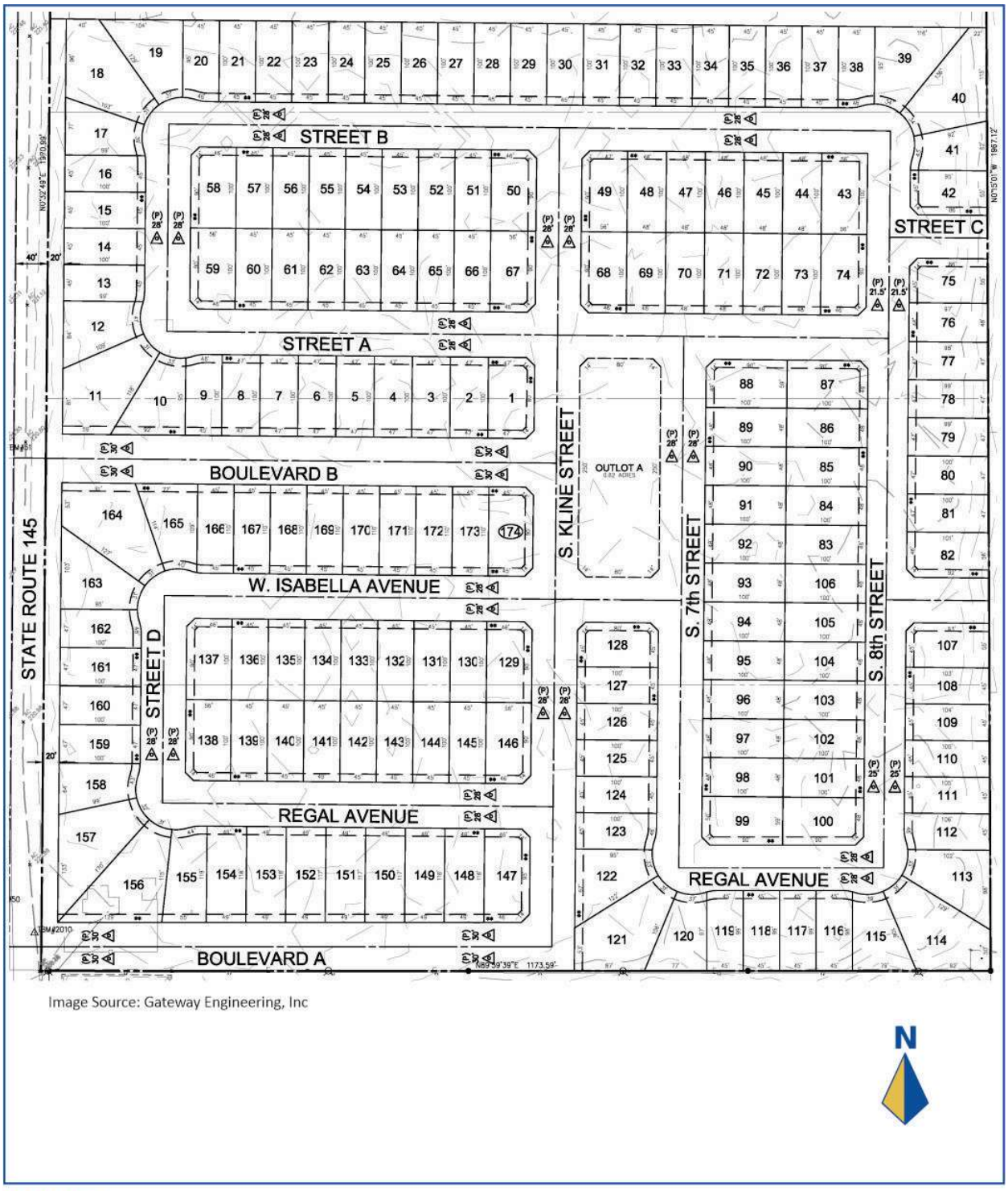


Image Source: Gateway Engineering, Inc

FIGURE 4
Project Site Plan

REGULATORY SETTING

Federal

Federal agencies with significant influence on energy policy and initiatives include the US Department of Energy, the US Environmental Protection Agency, and the US Department of Transportation. These agencies regulate transportation energy use through establishing and enforcing fuel efficiency standards for automobiles and light trucks, sponsoring energy-related research and development programs, and subsidizing transportation infrastructure improvements.

Federal Energy Regulatory Commission

The Federal Energy Regulatory Commission (FERC) is an independent agency that regulates the transmission and sales of electricity, natural gas, and oil in interstate commerce, licensing of hydroelectric projects, and oversight of related environmental matters. The setting and enforcing of interstate transmission sales is also regulated by FERC.

Federal Energy Policy and Conservation Act and Amendments

The Federal Energy Policy and Conservation Act of 1975 established minimum energy efficiency criteria for several key appliances, which have since been revised by subsequent energy policies, including the Federal Energy Policy Act of 2005. The National Energy Act of 1978 was enacted with the purpose of encouraging increased use of renewable energy, providing residential customers with energy saving audits to encourage slower growth in power use, and promoting fuel efficiency.

Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 includes provisions related to energy efficiency, appliance and lighting efficiency standards and building energy efficiency standards in addition to increasing auto mileage standards.

State

The California Energy Commission (CEC) and the California Public Utilities Commission (CPUC) are two state entities that have jurisdiction over various sectors of energy. The CEC gathers and analyzes energy-related data, develops statewide energy policy recommendations and plans, promotes and funds energy efficiency initiatives, and establishes and enforces appliance and building energy efficiency standards. The CPUC is in charge of regulating utilities in the energy, rail, telecommunications, and water sectors.

Senate Bill 1389

Senate Bill 1389 (SB) requires the CEC to prepare a biennial integrated energy policy report that assesses major energy trends and issues facing the state's electricity, natural gas, and transportation fuel sectors.

The 2015 Integrated Energy Policy Report provides the results of the CEC's assessments of a variety of energy issues facing California including energy efficiency, strategies related to data for improved decisions in the Existing Buildings Energy Efficiency Action Plan, building energy efficiency standards, the impact of drought on California's energy system, achieving 50 percent renewables by 2030, the California Energy Demand Forecast, the Natural Gas Outlook, the Transportation Energy Demand Forecast, Alternative and Renewable Fuel and Vehicle Technology Program benefits updates, update on electricity infrastructure in Southern California, an update on trends in California's sources of crude oil, an update on California's nuclear plants, and other energy issues.

Assembly Bill 1493

Assembly Bill (AB) 1493, enacted in 2002, required that the California Air Resources Board (CARB) develop and adopt regulations to achieve the maximum feasible and cost-effective reduction of GHG emissions from motor vehicles.

California Code of Regulations

Title 20, Public Utilities and Energy, and Title 24, Building Standards Code, of the California Code of Regulations must be followed during new building construction in California. These energy efficiency standards govern energy use for heating, cooling, ventilation, water heating, and lighting in new residential and nonresidential buildings. The local building permit process enforces the building efficiency criteria. Local government agencies may create and enforce energy standards for new buildings as long as they meet or surpass the guidelines set forth in Title 24.

Local

City of Kerman General Plan

The Conservation, Open Space, Parks and Recreation section and Housing Element of the City of Kerman's General Plan establishes the following energy conservation and sustainable policies that would be applicable to the Project:

Goal COS-5 – To minimize energy consumption and reduce greenhouse gas emissions as part of the statewide effort to combat climate change.

- **Policy COS-5.1** – **Reduction of Fossil Fuels Reliance**. The City shall promote the development and use of renewable energy sources (e.g., solar, thermal, wind, tidal to reduce dependency on petroleum-based energy sources.
- **Policy COS-5.4** – **Renewable Energy Features in New Project**. During the development review process, the City shall encourage projects to integrate features that support the generation, transmission, efficient use, and storage of renewable energy sources.

Goal HE-6 – To encourage energy efficiency in all new and 2015-2023 Housing.

- **Policy HE-6.1** – **Energy Conservation in New Housing**. The City shall encourage the use of energy conserving techniques in the siting and design of new housing.
- **Policy HE-6.2** – **State Energy Conservation Requirements**. The City shall actively implement and enforce all State energy conservation requirements for new residential construction.
- **Policy HE-6.3** – **Public Education on Energy Conservation**. The City shall promote public awareness of the need for energy conservation.

EXISTING CONDITIONS

Energy is vital to the economy and the quality of life of the State of California and the Fresno County region. In 2022, California's per-capita energy consumption rate was one of the lowest in the country and ranked 49th compared to other states (U.S. EIA 2022). This is largely because of California's proactive energy efficiency programs and mild weather, which reduce energy demands for heating and cooling.

The primary energy source for the U.S. is petroleum (also referred to as "oil"), which is refined to produce fuels like gasoline, diesel, and jet fuel. Oil is a finite, nonrenewable energy source. In 20, the U.S consumed approximately 7,400,381,000 barrels of petroleum with California accounting for 648,296,000 barrels, which accounts for roughly 9% of U.S. consumption (U.S. EIA 2023).

World consumption of petroleum products has grown steadily since 1983, with world consumption of oil reaching an estimated 100.2 million barrels per day in 2023 (U.S. EIA 2023). The world supply of oil is anticipated to peak (i.e., reach the point of maximum production) sometime between now and 2042, before beginning a terminal decline that will put a significant strain on the economy if not anticipated and mitigated. However, the timing of the peak depends on multiple, uncertain factors that will affect how quickly remaining oil is consumed, such as the amount of oil that still remains in the ground; how much of the amount in the ground can be extracted and produced based on technological, economic, and environmental feasibility; and future demand for oil.

The transportation sector makes up the single largest consumer of energy in California, accounting for 44 percent of the state's total energy demand, and nearly all of this energy is provided by petroleum (U.S. EIA 2023). In 2024, total gasoline consumed in California was 13.4 billion gallons of gasoline sold (California Energy Commission). Diesel fuel is the second largest transportation fuel in California behind gasoline. In 2024, more than 3.5 billion gallons of diesel were sold in California (California Energy Commission).

The industrial sector accounts for approximately 21 percent of the total energy consumption in California. The residential and commercial sectors both account for approximately 17 percent of the energy consumption in the state. In 2023, electric energy consumption for all land uses in California totaled 276,213 gigawatt-hours (California Energy Commission 2023).

Similar to California and the U.S. as a whole, the Fresno County region relies primarily on oil to meet its transportation needs. Motor vehicles are the largest consumer of fuels in the region's transportation sector. After gasoline, diesel fuel is the most utilized transportation energy source. The primary consumers of diesel fuel in the transportation sector are heavy-duty trucks, with medium-duty trucks, buses, light-duty passenger cars, and railway locomotives accounting for remaining diesel fuel consumption.

Alternative fuels are defined as fuels not derived from petroleum, such as natural gas, ethanol, and electricity. However, like petroleum, alternative fuels like natural gas and ethanol (which is primarily composed of diesel fuel) are also nonrenewable, finite resources. Electricity is also considered nonrenewable when generated from natural gas or coal, but considered renewable when generated from sources like solar, hydroelectric, or wind energy. Most alternative fuel facilities in the region supply compressed natural gas (CNG) or electricity. The region's limited alternative fuel infrastructure severely constrains the use of alternative fuel passenger vehicles.

Although average fuel efficiency for autos and trucks has experienced some improvements during the last quarter-century, fuel consumption associated with the large increase in VMT has exceeded the fuel consumption reductions achieved by improved efficiency, and the total amount of annual fuel consumption has continued to increase. The equipment and vehicles involved in the construction of development projects also consume energy. Currently, construction equipment and vehicles are generally dependent on petroleum-based fuels.

ANALYSIS OF PROJECT IMPACTS AND DETERMINATION OF SIGNIFICANCE

In accordance with CEQA, the effects of a project are evaluated to determine if they will result in significant adverse impacts on the environment. According to Appendix F of the State CEQA Guidelines, prospective energy implications of a project shall be considered, to the extent appropriate and applicable to the project, in order to guarantee that energy implications are considered in project choices. Appendix F does not provide specific thresholds for energy use but instead highlights the wise and efficient use of energy through the following actions which provide the means of achieving the goal of energy conservation.

- decreasing overall per capita energy consumption
- decreasing reliance on fossil fuels such as coal, natural gas and oil, and
- increasing reliance on renewable energy sources

In compliance with Appendix G and Appendix F of the CEQA Guidelines, energy impacts resulting from the Project are considered significant if the Project would:

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?

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

Short-Term (Construction)

Short-term impacts are mainly related to the construction phase of a project and are recognized to be short in duration. Energy impacts from construction are generally attributable to the manufacture and transportation of building materials, preparation of the site for grading activities, utility installation, paving, and building construction and architectural coating. It should be noted that the Project is subject to California Code of Regulations (CCR), Title 24 building standards. The Title 24 California Building Standards Code is a wide-ranging set of requirements for energy conservation and green design that apply to the structural, mechanical, electrical, and plumbing systems in a building.

The operation of off-road equipment, trucks, and worker traffic would be the primary source of energy consumption during the construction of the Project. Energy consumption generated during the construction phase was estimated using CalEEMod defaults for construction equipment since the specific mix of construction equipment is not presently known. It should be noted that energy usage from construction of the Project would be temporary in nature and would cease upon completion of the Project. Table 1 provides a list of the construction equipment used in development of the Project site per CalEEMod defaults. Table 2 shows the anticipated worker and vendor trips associated with development of the Project.

The estimated consumption of diesel fuel, considering the construction schedule and hours of use determined by CalEEMod, is 74,892 gallons of diesel for the development/construction of the Project as shown in Table 3. Vehicle Miles Traveled (VMT) estimates during the construction of the Project were also determined by data points in the CalEEMod program. Worker, vendor, and haul trips would result in 319,889 VMT for the duration of construction activities. As noted in Table 3, construction trips would account for approximately 20,063 gallons of motor vehicle fuel.

Long-Term (Operations)

As noted previously, the Project includes the development of single-family residences in the City of Kerman. The Project's operation will include typical equipment consistent with residential uses such as HVAC units. Table 4 provides an estimate of energy use for the proposed Project. Estimated electricity, natural gas, and motor vehicle gasoline consumption were derived from estimates included in the CalEEMod program. As shown below, the Project would consume approximately 1,729,118 kWh of electricity, 7,198,779 kBtu of natural gas, and 253,864 gallons of gasoline per year. As shown in Table 4, Project electricity, natural gas, and vehicle gasoline consumption equates to roughly 0.0006%, 0.0006%, and 0.0019%, respectively, of statewide consumption.

Table 1

Project Construction Equipment

Scenario	Construction Phase	Equipment Type	Quantity	HP	Daily Operation (hrs/day)	Work Days (per phase)	Total Operation Hours (hrs)	Load Factor
Project Construction	Demolition	Rubber Tired Dozers	2	367	8	30	480	0.40
	Demolition	Excavators	3	36	8	30	720	0.38
	Demolition	Concrete/Industrial Saw	1	33	8	30	240	0.73
	Site Preparation	Rubber Tired Dozers	3	367	8	20	480	0.40
	Site Preparation	Tractors/Loaders/Backhoes	4	84	8	20	640	0.37
	Grading	Graders	1	148	8	45	360	0.41
	Grading	Excavators	2	36	8	45	720	0.38
	Grading	Tractors/Loaders/Backhoes	2	84	8	45	720	0.37
	Grading	Scrapers	2	423	8	45	720	0.48
	Grading	Rubber Tired Dozers	1	367	8	45	360	0.40
	Building Construction	Cranes	1	367	7	500	3,500	0.29
	Building Construction	Forklifts	3	82	8	500	12,000	0.20
	Building Construction	Tractors/Loaders/Backhoes	3	84	7	500	10,500	0.37
	Building Construction	Generator Sets	1	14	8	500	4,000	0.74
	Building Construction	Welders	1	46	8	500	4,000	0.45
	Paving	Pavers	2	81	8	35	560	0.42
	Paving	Rollers	2	36	8	35	560	0.38
	Paving	Paving Equipment	2	89	8	35	560	0.36
	Architectural Coating	Air Compressors	1	37	6	35	210	0.48

Source:

Construction Phase: CalEEMod Default

Equipment Type: CalEEMod Default

Quantity: CalEEMod Default

Source for HP: CalEEMod Default

Source for Load Factor: CalEEMod Default

Table 2
Project Construction Trips

Scenario	Construction Phase	Trip Type	EMFAC Vehicle Class	One-Way Trips Per Day	Miles per Trip	Work Days (per phase)	Total Distance (miles)
Project Construction	Demolition	Worker	LDT2	15	7.7	30	3,465
	Demolition	Hauling	T7 Single Construction	5.27	20	30	3,162
	Site Preparation	Worker	LDT2	17.5	7.7	20	2,695
	Grading	Worker	LDT2	20	7.7	45	6,930
	Building Construction	Worker	LDT2	66.6	7.7	500	256,410
	Building Construction	Vendor	T7 Single Construction	19.8	4	500	39,600
	Paving	Worker	LDT2	15	7.7	35	4,043
	Architectural Coating	Worker	LDT2	13.3	7.7	35	3,584

Source:

Construction Phase: CalEEMod Default

Trip Type: CalEEMod Default

Trips Per Day: CalEEMod Default

Miles per Trip: CalEEMod Default

Work Days: CalEEMod Default

Table 3
Project Construction Energy Consumption

ACTIVITY	VARIABLE	CONSUMPTION RATE	TOTAL CONSUMPTION
Construction Equipment - Diesel	Equipment Use - hp-hr	0.05 gallons / hp-hr	74,892 gallons (diesel)
	Hours of Use	290 hours	
Construction Worker	VMT	VMT = 277,127 mpg = 19.36	14,315 gallons (gasoline)
Construction Vendor	VMT	VMT = 42,762 mpg = 7.44	5,748 gallons (diesel)

Source: CalEEMod 2022.1.1.29 / EMFAC2021

Notes:

hp-hr = horsepower hour

VMT = Vehicle Miles Traveled

mpg = miles per gallon

Table 4

Project Operational Energy Consumption

LAND USE	ELECTRICITY USE (kWh/year)	NATURAL GAS (kBtu/year)	VEHICLE GASOLINE (gallons/year)
Single Family Housing	1,729,118	7,198,779	253,864
PROJECT TOTAL	**1,729,118**	**7,198,779**	**253,864**
STATE CONSUMPTION (2023)[1]	**276,212,890,000**	**1,196,386,000,000**	**13,400,000,000**
PROJECT PERCENTAGE OF STATEWIDE CONSUMPTION	**0.0006%**	**0.0006%**	**0.0019%**

Source: CalEEMod 2022.1.1.29 / EMFAC2021

Notes:

kWh = Kilowatt hours

Btu = British thermal units

1 - State Electricity Use (CEC) / State Natural Gas Use (CEC) / State Gasoline Use (CEC)

As noted above, the Project is subject to CCR, Title 24 building standards. Compliance with Title 24 of the CCR would improve energy efficiency and consumption. As a result, construction of the Project will not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation.

Operation of the Project would include the use of electricity and natural Gas for heating and cooling, lighting, appliances, and water heating. As discussed above, the Title 24 California Building Standards Code is a wide-ranging set of requirements for energy conservation and green design that apply to the structural, mechanical, electrical, and plumbing systems in a building. As a result, the electricity and natural gas use will not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation.

The Energy Policy and Conservation Act of 1975 sought to ensure that all vehicles sold in the U.S. would meet certain fuel economy goals. Through this Act, Congress established the first fuel economy standards for on-road motor vehicles in the U.S. Pursuant to the Act, the National Highway Traffic and Safety Administration, which is part of the USDOT, is responsible for establishing additional vehicle standards and for revising existing standards. Since 1990, the fuel economy standard for new passenger cars has been 27.5 mpg. Since 1996, the fuel economy standard for new light trucks (gross vehicle weight of 8,500 pounds or less) has been 20.7 mpg. The Energy Independence and Security Act of 2007 seeks to achieve energy security in the United States by increasing renewable fuel production, improving energy efficiency and performance, protecting consumers, improving vehicle fuel economy, and promoting research on greenhouse gas capture and storage. The average fuel economy for light-duty vehicles (autos, pickups, vans, and SUVs) in the United States has gradually increased from about 14.9 mpg in 1980 to 22.3 mpg in 2017 based on data provided by the U.S. Department of Transportation, National Highway Traffic Safety

Administration, Fleet Fuel Economy Performance Report, available at https://one.nhtsa.gov/cafe_pic/CAFE_PIC_fleet_LIVE.html.

The Project will result in an annual VMT increase of 4,914,813 considering CalEEMod calculations, which results in 253,864 gallons of gasoline per year as noted in Table 4 (assuming 19.36 mpg). However, new vehicles accessing the Project site would be in compliance with the federal fuel economy standards described above. As a result, fuel efficiency from vehicles accessing the site would increase over the life of the Project. Therefore, energy impacts related to fuel consumption during Project operations would be less than significant.

Based on the assessment above, the Project will not result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. No increases in inefficiencies or unnecessary energy consumption are expected to occur as a direct or indirect consequence of the Project. Therefore, any impacts would be less than significant.

Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

As discussed above, the Project is subject to CCR, Title 24 building standards. Compliance with Title 24 of the CCR would improve energy efficiency and consumption. In addition, the Project will acquire electricity through the local utility (Pacific Gas & Electric Company) which is subject to the guidelines provided in California Senate Bill 100 (SB 100). SB 100 expedited and expanded the Renewable Portfolio Standard (RPS) program (SB 1078), which obliged utilities to grow renewable generation by at least one percent of sales every year, with a 20 percent target by 2017. SB 100 mandates that a 50% RPS be achieved by December 31, 2026, and a 60% RPS by December 31, 2030. SB 100 also established a new statewide policy target of supplying 100 percent of electricity retail sales and 100 percent of power procured to serve all state agencies by December 31, 2045, using qualifying renewable energy and zero-carbon resources.

Title 24 energy efficiency standards mandate measures for residential and non-residential buildings, including solar, EV charging equipment, bicycle parking, energy efficiency, water conservation, and material conservation. Single-family residences developed by the Project will be located near jobs to minimize vehicle travel and enhance pedestrian and bicycle connectivity. The Project's location near an existing community will further improve connectivity throughout the City of Kerman. Compliance ensures the development will not conflict with policies aimed at reducing energy use or increasing renewable energy. Therefore, the impact on operational energy efficiency and renewable energy standards will be less than significant.

The 2022 Scoping Plan lays forth a plan for achieving carbon neutrality goals and reducing anthropogenic GHG emissions by 85% below 1990 levels by 2045 as required by AB 1279. By implementing clean technologies and fuels, the plan's actions and results will result in significant decreases in the combustion of fossil fuels, further decreases in short-lived climate pollutants, support for sustainable development, increased action on working and natural lands to reduce emissions and sequester carbon, and the capture

and storage of carbon. Below is a list of applicable strategies in the Scoping Plan and the Project's consistency with those strategies.

- Achieve 100 percent Zero-Emission Vehicle (ZEV) sales of light-duty vehicles by 2035 and medium-heavy-duty vehicles by 2040.

    - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the residential development. The Project would not conflict or obstruct this reduction measure.

- Accelerate the reduction and replacement of fossil fuel production and consumption in California.

    - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to light-duty and medium-heavy-duty vehicles that would access the residential development. The Project would not conflict or obstruct this reduction measure.

The Project would be consistent with applicable plans related to renewable energy and energy efficiency as noted above which facilitates the decrease in overall per capita energy consumption and reliance on fossil fuels such as coal, natural gas and oil, and increases reliance on renewable energy sources. As a result, the Project will not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Therefore, any impacts would be less than significant.

Should you have any further questions or comments, please contact me by email at jellard@jkconsultinggroupllc.com.

Sincerely,

Jason Ellard
Principal
JK Consulting Group

Attachment

CALEEMOD WORKSHEETS

Kerman Harvest Estates Detailed Report

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Data Field	Value
Project Name	Kerman Harvest Estates
Construction Start Date	6/3/2025
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.90
Precipitation (days)	21.2
Location	36.738632612848704, -120.05843225174907
County	Fresno
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2523
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

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
Single Family Housing	185	Dwelling Unit	31.0	360,750	2,166,879	—	592	—

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.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.02	3.39	31.7	30.8	0.06	1.37	19.8	21.1	1.26	10.1	11.4	—	6,720	6,720	0.27	0.09	1.97	6,745
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	64.7	64.7	29.7	28.9	0.06	1.23	9.31	10.5	1.14	3.68	4.82	—	6,706	6,706	0.27	0.07	0.06	6,731
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.05	6.92	8.91	10.7	0.02	0.37	2.35	2.71	0.34	1.03	1.37	—	2,154	2,154	0.08	0.05	0.61	2,173
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.29	1.26	1.63	1.96	< 0.005	0.07	0.43	0.50	0.06	0.19	0.25	—	357	357	0.01	0.01	0.10	360

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.02	3.39	31.7	30.8	0.06	1.37	19.8	21.1	1.26	10.1	11.4	—	6,720	6,720	0.27	0.09	1.23	6,745

2026	1.58	1.35	10.4	15.4	0.03	0.38	0.43	0.81	0.35	0.10	0.46	—	3,048	3,048	0.12	0.07	1.97	3,075
2027	1.51	1.29	9.91	15.2	0.03	0.34	0.43	0.77	0.31	0.10	0.42	—	3,034	3,034	0.11	0.07	1.76	3,060
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.89	3.27	29.7	28.9	0.06	1.23	9.31	10.5	1.14	3.68	4.82	—	6,706	6,706	0.27	0.07	0.06	6,731
2026	1.54	1.32	10.5	15.0	0.03	0.38	0.43	0.81	0.35	0.10	0.46	—	3,004	3,004	0.12	0.07	0.05	3,029
2027	64.7	64.7	9.96	14.8	0.03	0.34	0.43	0.77	0.31	0.10	0.42	—	2,991	2,991	0.12	0.07	0.05	3,016
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.18	1.00	8.91	9.20	0.02	0.37	2.35	2.71	0.34	1.03	1.37	—	1,892	1,892	0.08	0.03	0.22	1,903
2026	1.11	0.95	7.45	10.7	0.02	0.27	0.30	0.58	0.25	0.07	0.32	—	2,154	2,154	0.08	0.05	0.61	2,173
2027	7.05	6.92	5.81	8.69	0.01	0.20	0.23	0.43	0.19	0.06	0.24	—	1,700	1,700	0.07	0.04	0.41	1,714
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.22	0.18	1.63	1.68	< 0.005	0.07	0.43	0.50	0.06	0.19	0.25	—	313	313	0.01	< 0.005	0.04	315
2026	0.20	0.17	1.36	1.96	< 0.005	0.05	0.06	0.10	0.05	0.01	0.06	—	357	357	0.01	0.01	0.10	360
2027	1.29	1.26	1.06	1.59	< 0.005	0.04	0.04	0.08	0.03	0.01	0.04	—	281	281	0.01	0.01	0.07	284

2.4. Operations 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.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.5	20.1	9.33	98.8	0.27	6.32	9.74	16.1	6.09	2.47	8.56	1,108	16,959	18,068	15.9	0.61	35.7	18,683
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.9	18.5	9.96	82.0	0.26	6.31	9.74	16.1	6.09	2.47	8.56	1,108	15,964	17,072	15.9	0.65	3.44	17,668

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.9	15.3	7.82	53.6	0.15	1.60	9.39	11.0	1.54	2.38	3.92	329	14,497	14,826	12.2	0.62	16.5	15,331
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.09	2.80	1.43	9.78	0.03	0.29	1.71	2.01	0.28	0.43	0.72	54.4	2,400	2,455	2.02	0.10	2.74	2,538

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.48	6.07	5.20	45.2	0.11	0.08	9.74	9.82	0.08	2.47	2.55	—	11,645	11,645	0.43	0.55	33.1	11,853
Area	18.8	13.9	2.31	52.9	0.15	6.09	—	6.09	5.87	—	5.87	1,005	1,976	2,981	4.74	< 0.005	—	3,101
Energy	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	3,273	3,273	0.36	0.02	—	3,289
Water	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Waste	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	25.5	20.1	9.33	98.8	0.27	6.32	9.74	16.1	6.09	2.47	8.56	1,108	16,959	18,068	15.9	0.61	35.7	18,683
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.85	5.41	5.92	38.8	0.10	0.08	9.74	9.82	0.08	2.47	2.55	—	10,677	10,677	0.50	0.59	0.86	10,866
Area	17.8	13.0	2.22	42.4	0.15	6.08	—	6.08	5.86	—	5.86	1,005	1,948	2,953	4.74	< 0.005	—	3,073
Energy	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	3,273	3,273	0.36	0.02	—	3,289
Water	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Waste	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	23.9	18.5	9.96	82.0	0.26	6.31	9.74	16.1	6.09	2.47	8.56	1,108	15,964	17,072	15.9	0.65	3.44	17,668

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.79	5.37	5.46	38.1	0.10	0.08	9.39	9.47	0.08	2.38	2.46	—	10,707	10,707	0.45	0.56	14.0	10,898
Area	10.9	9.84	0.55	14.7	0.03	1.37	—	1.37	1.32	—	1.32	226	451	677	1.06	< 0.005	—	704
Energy	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	3,273	3,273	0.36	0.02	—	3,289
Water	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Waste	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	16.9	15.3	7.82	53.6	0.15	1.60	9.39	11.0	1.54	2.38	3.92	329	14,497	14,826	12.2	0.62	16.5	15,331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.06	0.98	1.00	6.95	0.02	0.01	1.71	1.73	0.01	0.43	0.45	—	1,773	1,773	0.08	0.09	2.31	1,804
Area	2.00	1.80	0.10	2.69	0.01	0.25	—	0.25	0.24	—	0.24	37.4	74.7	112	0.18	< 0.005	—	117
Energy	0.04	0.02	0.33	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	542	542	0.06	< 0.005	—	545
Water	—	—	—	—	—	—	—	—	—	—	—	2.37	10.9	13.2	0.24	0.01	—	21.1
Waste	—	—	—	—	—	—	—	—	—	—	—	14.7	0.00	14.7	1.47	0.00	—	51.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43	0.43
Total	3.09	2.80	1.43	9.78	0.03	0.29	1.71	2.01	0.28	0.43	0.72	54.4	2,400	2,455	2.02	0.10	2.74	2,538

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

Location	TOG	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	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.46	0.46	—	0.07	0.07	—	—	—	—	—	—	—
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.20	1.82	1.64	< 0.005	0.08	—	0.08	0.07	—	0.07	—	282	282	0.01	< 0.005	—	282
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.33	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46.6	46.6	< 0.005	< 0.005	—	46.8
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.56	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	90.9	90.9	< 0.005	< 0.005	0.34	92.5
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	0.00

Hauling	0.01	0.01	0.44	0.11	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	368	368	0.01	0.06	0.89	386
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.87	6.87	< 0.005	< 0.005	0.01	6.98
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	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.3	30.3	< 0.005	< 0.005	0.03	31.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	< 0.005	1.16
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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.01	5.01	< 0.005	< 0.005	0.01	5.25

3.3. Site Preparation (2025) - Unmitigated

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

Location	TOG	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	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.73	1.65	< 0.005	0.07	—	0.07	0.07	—	0.07	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	1.08	1.08	—	0.55	0.55	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.32	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.10	0.10	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.65	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	106	106	< 0.005	< 0.005	0.40	108
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.34	5.34	< 0.005	< 0.005	0.01	5.43
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.88	0.88	< 0.005	< 0.005	< 0.005	0.90
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	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	0.00

3.5. Grading (2025) - Unmitigated

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

Location	TOG	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	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622

Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.39	3.66	3.49	0.01	0.15	—	0.15	0.14	—	0.14	—	814	814	0.03	0.01	—	816
Dust From Material Movement	—	—	—	—	—	—	1.13	1.13	—	0.45	0.45	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.67	0.64	< 0.005	0.03	—	0.03	0.03	—	0.03	—	135	135	0.01	< 0.005	—	135
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.05	0.74	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	121	121	< 0.005	0.01	0.45	123
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	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.60	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	108	108	< 0.005	0.01	0.01	109
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.02	14.0
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.28	2.28	< 0.005	< 0.005	< 0.005	2.31
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	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	0.00

3.7. Building Construction (2025) - Unmitigated

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

Location	TOG	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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.55	1.94	< 0.005	0.06	—	0.06	0.06	—	0.06	—	357	357	0.01	< 0.005	—	358
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.0	59.0	< 0.005	< 0.005	—	59.2
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.25	0.18	2.01	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	358	358	0.02	0.02	0.04	364
Vendor	0.02	0.01	0.45	0.19	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	261	261	0.01	0.04	0.02	272
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.30	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	55.2	55.2	< 0.005	< 0.005	0.10	56.1
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.7	38.7	< 0.005	0.01	0.04	40.5
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.14	9.14	< 0.005	< 0.005	0.02	9.29
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.41	6.41	< 0.005	< 0.005	0.01	6.70
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	0.00

3.9. Building Construction (2026) - Unmitigated

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

Location	TOG	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	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	< 0.005	—	284

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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.26	0.14	2.28	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	395	395	0.01	0.02	1.37	402
Vendor	0.02	0.01	0.41	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	255	255	0.01	0.04	0.60	267
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.24	0.17	1.85	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	351	351	0.01	0.02	0.04	357
Vendor	0.02	0.01	0.43	0.19	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	256	256	0.01	0.04	0.02	267
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.11	1.34	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	260	260	0.01	0.01	0.42	264
Vendor	0.01	0.01	0.30	0.13	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	182	182	< 0.005	0.03	0.18	191
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.0	43.0	< 0.005	< 0.005	0.07	43.7
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.2	30.2	< 0.005	< 0.005	0.03	31.6
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	0.00

3.11. Building Construction (2027) - Unmitigated

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

Location	TOG	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	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.52	4.78	6.58	0.01	0.17	—	0.17	0.16	—	0.16	—	1,220	1,220	0.05	0.01	—	1,224
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	0.87	1.20	< 0.005	0.03	—	0.03	0.03	—	0.03	—	202	202	0.01	< 0.005	—	203
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.26	0.25	0.12	2.11	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	387	387	0.01	0.02	1.24	393
Vendor	0.02	0.01	0.39	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	250	250	0.01	0.04	0.52	261
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.15	1.71	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	344	344	0.01	0.02	0.03	349
Vendor	0.02	0.01	0.42	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	250	250	0.01	0.04	0.01	261
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	0.88	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	181	181	0.01	0.01	0.27	184
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	< 0.005	0.02	0.12	133
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.0	30.0	< 0.005	< 0.005	0.05	30.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.1	21.1	< 0.005	< 0.005	0.02	22.0
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	0.00

3.13. Paving (2027) - Unmitigated

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

Location	TOG	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	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.67	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	145
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.17	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.47	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	87.2	87.2	< 0.005	< 0.005	0.28	88.6
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	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.39	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	77.4	77.4	< 0.005	< 0.005	0.01	78.7
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.69	7.69	< 0.005	< 0.005	0.01	7.82
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.27	1.27	< 0.005	< 0.005	< 0.005	1.29
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	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	0.00

3.15. Architectural Coating (2027) - Unmitigated

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

Location	TOG	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	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134

Architectural	64.5	64.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Architectural Coatings	6.19	6.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.13
Architectural Coatings	1.13	1.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.34	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	68.8	68.8	< 0.005	< 0.005	0.01	69.9
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	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.83	6.83	< 0.005	< 0.005	0.01	6.94
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	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.15
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	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	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	6.48	6.07	5.20	45.2	0.11	0.08	9.74	9.82	0.08	2.47	2.55	—	11,645	11,645	0.43	0.55	33.1	11,853
Total	6.48	6.07	5.20	45.2	0.11	0.08	9.74	9.82	0.08	2.47	2.55	—	11,645	11,645	0.43	0.55	33.1	11,853
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	5.85	5.41	5.92	38.8	0.10	0.08	9.74	9.82	0.08	2.47	2.55	—	10,677	10,677	0.50	0.59	0.86	10,866

Total	5.85	5.41	5.92	38.8	0.10	0.08	9.74	9.82	0.08	2.47	2.55	—	10,677	10,677	0.50	0.59	0.86	10,866
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.06	0.98	1.00	6.95	0.02	0.01	1.71	1.73	0.01	0.43	0.45	—	1,773	1,773	0.08	0.09	2.31	1,804
Total	1.06	0.98	1.00	6.95	0.02	0.01	1.71	1.73	0.01	0.43	0.45	—	1,773	1,773	0.08	0.09	2.31	1,804

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	966	966	0.16	0.02	—	976
Total	—	—	—	—	—	—	—	—	—	—	—	—	966	966	0.16	0.02	—	976
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	966	966	0.16	0.02	—	976
Total	—	—	—	—	—	—	—	—	—	—	—	—	966	966	0.16	0.02	—	976
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.03	< 0.005	—	162
Total	—	—	—	—	—	—	—	—	—	—	—	—	160	160	0.03	< 0.005	—	162

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	2,307	2,307	0.20	< 0.005	—	2,314
Total	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	2,307	2,307	0.20	< 0.005	—	2,314
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	2,307	2,307	0.20	< 0.005	—	2,314
Total	0.21	0.11	1.82	0.77	0.01	0.15	—	0.15	0.15	—	0.15	—	2,307	2,307	0.20	< 0.005	—	2,314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.04	0.02	0.33	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	382	382	0.03	< 0.005	—	383
Total	0.04	0.02	0.33	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	382	382	0.03	< 0.005	—	383

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	9.48	4.69	2.22	42.4	0.15	6.08	—	6.08	5.86	—	5.86	1,005	1,948	2,953	4.74	< 0.005	—	3,073

Consum Products	7.72	7.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.62	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.97	0.91	0.10	10.5	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Total	18.8	13.9	2.31	52.9	0.15	6.09	—	6.09	5.87	—	5.87	1,005	1,976	2,981	4.74	< 0.005	—	3,101
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	9.48	4.69	2.22	42.4	0.15	6.08	—	6.08	5.86	—	5.86	1,005	1,948	2,953	4.74	< 0.005	—	3,073
Consumer Products	7.72	7.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.62	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	17.8	13.0	2.22	42.4	0.15	6.08	—	6.08	5.86	—	5.86	1,005	1,948	2,953	4.74	< 0.005	—	3,073
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.39	0.19	0.09	1.74	0.01	0.25	—	0.25	0.24	—	0.24	37.4	72.4	110	0.18	< 0.005	—	114
Consumer Products	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	0.09	0.08	0.01	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.29	2.29	< 0.005	< 0.005	—	2.30
Total	2.00	1.80	0.10	2.69	0.01	0.25	—	0.25	0.24	—	0.24	37.4	74.7	112	0.18	< 0.005	—	117

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Total	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Total	—	—	—	—	—	—	—	—	—	—	—	14.3	65.6	79.9	1.48	0.04	—	127
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.37	10.9	13.2	0.24	0.01	—	21.1
Total	—	—	—	—	—	—	—	—	—	—	—	2.37	10.9	13.2	0.24	0.01	—	21.1

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Total	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Total	—	—	—	—	—	—	—	—	—	—	—	88.6	0.00	88.6	8.85	0.00	—	310
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	14.7	0.00	14.7	1.47	0.00	—	51.3
Total	—	—	—	—	—	—	—	—	—	—	—	14.7	0.00	14.7	1.47	0.00	—	51.3

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.58	2.58
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43	0.43
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.43	0.43

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	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. 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	TOG	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	TOG	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	TOG	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
Demolition	Demolition	6/3/2025	7/15/2025	5.00	30.0	—
Site Preparation	Site Preparation	7/16/2025	8/13/2025	5.00	20.0	—
Grading	Grading	8/14/2025	10/16/2025	5.00	45.0	—
Building Construction	Building Construction	10/17/2025	9/17/2027	5.00	500	—
Paving	Paving	9/18/2027	11/6/2027	5.00	35.0	—
Architectural Coating	Architectural Coating	11/7/2027	12/26/2027	5.00	35.0	—

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
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73

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
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	7.70	LDA,LDT1,LDT2
Demolition	Vendor	—	4.00	HHDT,MHDT
Demolition	Hauling	5.27	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT

Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	7.70	LDA,LDT1,LDT2
Site Preparation	Vendor	—	4.00	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	7.70	LDA,LDT1,LDT2
Grading	Vendor	—	4.00	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	66.6	7.70	LDA,LDT1,LDT2
Building Construction	Vendor	19.8	4.00	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	7.70	LDA,LDT1,LDT2
Paving	Vendor	—	4.00	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	13.3	7.70	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	4.00	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	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)
Architectural Coating	730,519	243,506	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	630	—
Site Preparation	—	—	30.0	0.00	—
Grading	—	—	135	0.00	—
Paving	0.00	0.00	0.00	0.00	2.04

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	2.04	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	204	0.03	< 0.005

2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	1,746	1,765	1,582	629,815	13,628	13,773	12,343	4,914,813

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	93
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	93
Conventional Wood Stoves	0
Catalytic Wood Stoves	9
Non-Catalytic Wood Stoves	9
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

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)
730518.75	243,506	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	1,729,118	204	0.0330	0.0040	7,198,779

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	7,454,760	36,355,251

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	164	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

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	29.6	annual days of extreme heat
Extreme Precipitation	1.00	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	3	0	0	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	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	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	3	1	1	3
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	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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	72.5
AQ-PM	85.7
AQ-DPM	27.1
Drinking Water	83.3
Lead Risk Housing	46.4
Pesticides	92.8
Toxic Releases	53.1
Traffic	15.8
Effect Indicators	—
CleanUp Sites	37.6
Groundwater	47.4
Haz Waste Facilities/Generators	83.4
Impaired Water Bodies	0.00
Solid Waste	73.0

Sensitive Population	—
Asthma	62.5
Cardio-vascular	68.9
Low Birth Weights	39.9
Socioeconomic Factor Indicators	—
Education	97.1
Housing	27.8
Linguistic	91.9
Poverty	94.4
Unemployment	82.7

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	20.00513281
Employed	47.36301809
Median HI	21.01886308
Education	—
Bachelor's or higher	2.912870525
High school enrollment	100
Preschool enrollment	19.04273066
Transportation	—
Auto Access	24.53483896
Active commuting	13.65327858
Social	—
2-parent households	34.7747979
Voting	7.853201591

Neighborhood	—
Alcohol availability	72.01334531
Park access	52.97061465
Retail density	15.03913769
Supermarket access	39.76645708
Tree canopy	8.943924034
Housing	—
Homeownership	34.67214167
Housing habitability	45.19440524
Low-inc homeowner severe housing cost burden	59.96407032
Low-inc renter severe housing cost burden	59.88707815
Uncrowded housing	26.43397921
Health Outcomes	—
Insured adults	12.498396
Arthritis	0.0
Asthma ER Admissions	36.9
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	23.9
Cognitively Disabled	38.1
Physically Disabled	26.6
Heart Attack ER Admissions	11.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0

Obesity	0.0
Pedestrian Injuries	41.0
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	6.8
Elderly	70.8
English Speaking	11.9
Foreign-born	74.6
Outdoor Workers	2.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	63.1
Traffic Density	5.7
Traffic Access	0.0
Other Indices	—
Hardship	85.3
Other Decision Support	—
2016 Voting	13.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0

Healthy Places Index Score for Project Location (b)	17.0
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
Land Use	Project Description

7.2 Appendix B: Biological Resource Assessment

BIOLOGICAL RESOURCE ASSESSMENT

Harvest Estates, Kerman, California

APN: 025-130-47; - 48, -60S



Prepared for:

PRECISION CIVIL ENGINEERING, INC

ARGONAUT ECOLOGICAL CONSULTING, INC.

September 20, 2025

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1.0 EXECUTIVE SUMMARY AND INTRODUCTION

EXECUTIVE SUMMARY

Argonaut Ecological, Inc. conducted a biological evaluation of an approximately 53-acre site in the City of Kerman, California. The site (herein referred to as the Study Area) is located immediately east of N. Madera Avenue and north of Whitesbridge Avenue.

The assessment included assessing the types of habitats present and the sensitive species associated with those habitats. The biological evaluation focused on mapping existing habitat types based on a site reconnaissance and reviewing public and commercial databases, aerial photographs (current and historical), and other published information and available data.

The Study Area is currently in agricultural production (orchards). There are two residential homes within the Study Area. There are also no sensitive habitats within the Study Area, including waters/wetlands or critical habitat for species of concern. There is some limited habitat for migratory birds orchards.

1.1 INTRODUCTION

Argonaut conducted a biological resource assessment of the subject, roughly a 63-acre parcel. (See Figure 1).

1.2 STUDY OBJECTIVES

This report describes the biological resources present within and adjacent to the Study Area, describes the area's biological characteristics, and evaluates the Study Area's likelihood to support sensitive biological resources (such as wetlands, creeks/drainages, and special status species). This evaluation used available literature, aerial photography, historic topographic and aerial maps, and a site visit. For this study, wetland habitat includes those areas possibly considered "waters of the U.S." by the U.S. Army Corps of Engineers (Army Corps) or Waters of the State of California. Section 1.2.1 describes wetlands as a subset of "Waters of the U.S." under the Federal Clean Water Act (CWA).

This report assesses the project's potential effects on biological resources and evaluates whether any associated regulatory approvals or permits are required. This report also evaluates the potential impacts site development may have on protected habitat, species protected by the Federal Endangered Species Act (ESA), or those protected under the California Environmental Quality Act (CEQA) or California Endangered Species Act (CESA).

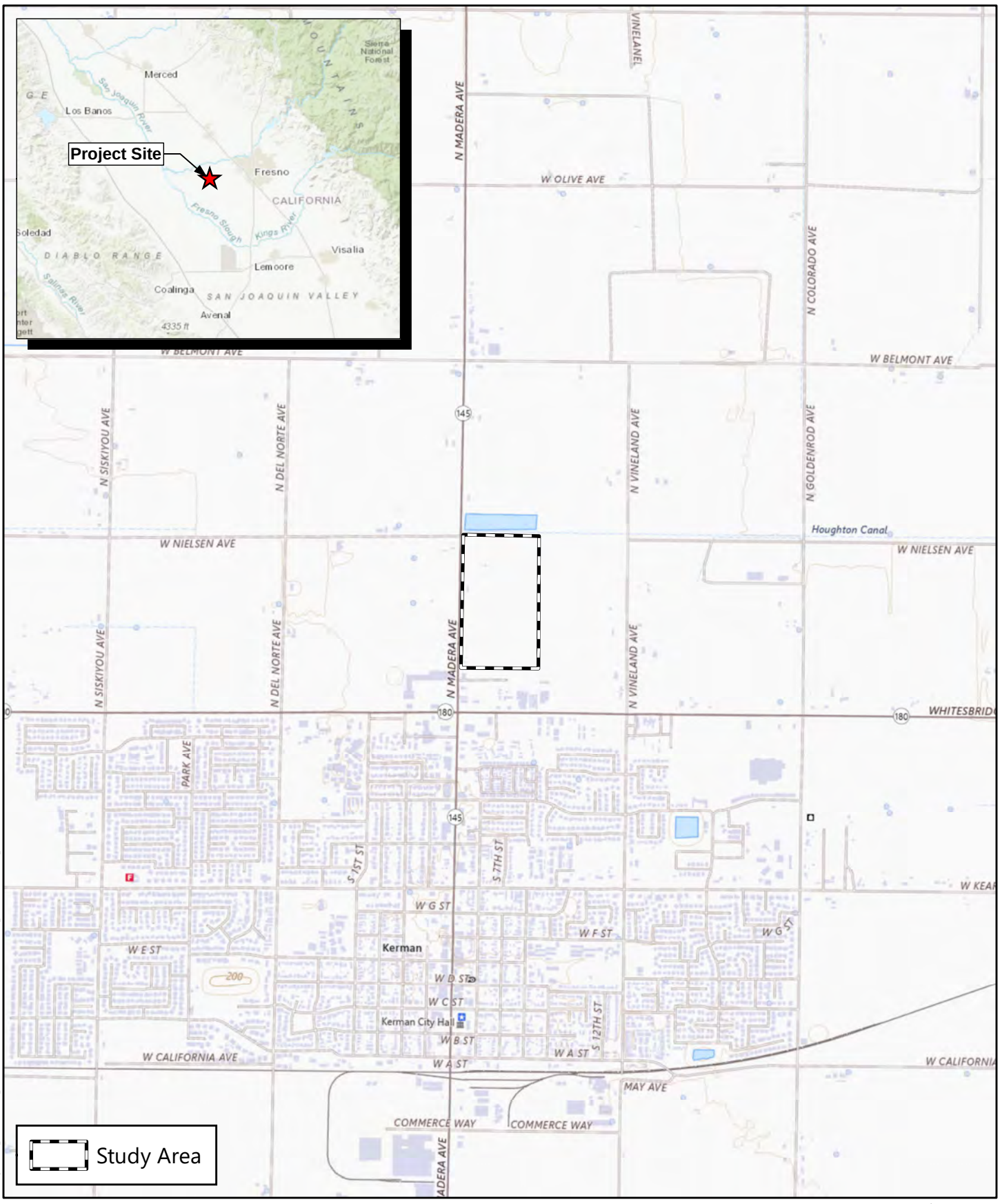


Figure 1

REGIONAL LOCATION AND VICINITY

HARVEST ESTATES

Kerman, Fresno County, CA

N

0 1,000 2,000

Feet

ARGONAUT ECOLOGICAL CONSULTING INC.

Source: ESRI; USGS (2025)

1.3 REGULATORY JURISDICTION AND BACKGROUND

Several agencies share regulatory jurisdiction over biological resources. The following is a brief description of the primary jurisdiction of each agency.

Wetland Protection

U.S. Army Corps of Engineers

Wetlands are a type of Waters of the U.S. The U.S. Army Corps of Engineers (Army Corps) and the U.S. Environmental Protection Agency regulate fill placement into the Waters of the U.S. under Section 404 of the Federal Clean Water Act and Section 10 of the Rivers and Harbor Act. For this purpose, "Waters of the U.S." is legally defined under Section 404 of the Federal Clean Water Act and includes interstate streams, creeks, and adjacent wetlands. The Army Corps defines wetlands as "*those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions*" (Environmental Laboratory 1987). In California, seasonally inundated areas that meet the criteria of all three wetland parameters (soils, hydrology, and vegetation), as defined in the recently issued Wetland Delineation Manual for the Arid West (USACE 2006), are also considered jurisdictional wetlands. Since 2001, several U.S. Supreme Court rulings regarding the regulation of isolated, intrastate waters by the Army Corps have limited the scope of federal jurisdiction under the CWA and excluded many California wetlands from federal regulation.

In December 2019, the U.S. EPA and the U.S. Army published the final rule to repeal the 2015 Clean Water Rule. The "Clean Water Rule" clarified what constitutes waters of the U.S. and, presumably, more precisely defined and made permitting more predictable, thus less costly, and more straightforward.

After several challenges to the "Clean Water Rule," the U.S. PA and the Department of the Army proposed the pre-2015 (pre-Obama-era rules) definition "of waters of the United States," updated to reflect consideration of Supreme Court decisions. The new rule went into effect on May 23, 2023; however, on May 25, 2023, the U.S. Supreme Court issued a decision in the case of *Sackett v. Environmental Protection Agency that rolled back the definition of waters of the U.S. to better align with the original definition as included in the Rapanos decision*. The new definition limits "waters" as "limited geographic[al] features that are described in ordinary parlance as 'streams, oceans, rivers, and lakes" and to "adjacent wetlands that are 'indistinguishable' from those bodies of water due to a continuous surface connection." The Court set aside the prior use of a "significant nexus."

Waters typically do not include prior converted cropland (those areas converted before December 23, 1985). Notwithstanding determining an area's status as prior converted cropland by any other federal agency for the CWA, the final authority to determine jurisdiction remains with the U.S. EPA.

California State Water Resources Control Board

Since 1993, California has had a Wetlands Conservation Policy (a.k.a. Executive Order W-51 59-93), which is commonly *called the "No Net Loss" policy* for wetlands. This policy established a state mandate for developing and adopting a policy framework and strategy to protect the State's wetland ecosystems. The policy was to be implemented voluntarily and was expressly not to be implemented on a "project-by-project" basis (See EO W-59-93, Section III).

In 2020, California adopted procedures for discharge of dredged or fill materials into waters of the State. The State definition of wetland differs from the Federal definition in that the state definition includes areas with no vegetation, assuming the other criteria are met. Wetlands of the State include 1) natural wetlands, 2) wetlands created by modification of water of the State (at any point in history), and 3) artificial wetlands that meet specific criteria. The State definition only exempts a few types of waters. Examples of water features excluded from the State's definition include industrial or municipal wastewater, certain stormwater treatment facilities, agricultural crop irrigation, industrial processing or cooling, and fields flooded for rice growing.

Listed Protected Species and Habitat Protection

U.S. Fish and Wildlife Service

The U.S. Fish and Wildlife Service (USFWS) implements the Migratory Bird Treaty Act (16 USC Section 703-711), Bald and Golden Eagle Protection Act (16 United States Code [USC] Section 668), and Federal Endangered Species Act (FESA; 16 USC § 153 *et seq.)*.

The **Migratory Bird Treaty Act (MBTA**) was first enacted in 1918 to protect migratory birds between the United States and Great Britain (acting on behalf of Canada). The MBTA makes it illegal for anyone to take, possess, import, transport, purchase, barter, offer for sale, or purchase any migratory birds, nests, or eggs unless a federal agency has issued a permit. The USFWS has statutory authority and responsibility for enforcing the MBTA. The MBTA was reformed in 2004 to include all species native to the U.S. or its territories due to natural biological or ecological processes (70 FR 12710, March 15, 2005). The Act does not include nonnative species whose occurrences in the U.S. result solely from intentional or unintentional human introduction. The USFWS maintains a list of bird species that are not protected under the MBTA.

In January 2021, the USFWS published a new rule in the Federal Register. Under the rule change, the unintentional killing of migratory birds does not violate the MBTA. Only the intentional "pursuing, hunting, taking, capturing, killing, or attempting to do the same ... directed at migratory birds, their nests, or their eggs" would be illegal under the changes.

The **Federal Endangered Species Act (FESA)** prohibits "take" "of any federally listed wildlife species (the destruction of federally listed plants on private property is not prohibited and does not require a permit)**.** "Take" under the federal definition means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in any such conduct. "Incidental take" is harm or death that may occur during the implementation of an otherwise lawful activity. "Candidate species" do not have the full protection of FESA. However, the USFWS advises project

applicants that it is prudent to address these species since they could be elevated to "listed status" before the completion of projects with long planning or development schedules.

The Projects that would result in "take" "of any federally-listed threatened or endangered species can obtain authorization from the USFWS through either Section 7 (interagency consultation) or Section 10(a) (incidental take permit) of FESA. The authorization process determines if a project would jeopardize a listed species' continued existence and what mitigation measures would be required to avoid jeopardizing the species.

An Incidental Take Permit or Take Permit is required when an activity would either kill, harm, harass, or interrupt a listed species' breeding or nesting. The ESA definition of "harm" is somewhat less definitive since it includes ubiquitous activities. In 1999, the USFWS clarified the term "harm" as it applies to the ESA in the Federal Register. As stated, the final rule defined the term "harm" "to include any act that causes actual harm (kills or injures fish or wildlife) and emphasizes that such actions may have significant habitat modification or degradation that significantly impairs essential behavioral patterns of fish or wildlife.

California Department of Fish and Wildlife

The California Department of Fish and Wildlife (CDFW) is a Trustee Agency responsible under CEQA for reviewing and evaluating project impacts on plant and wildlife resources. Under the Fish and Game Code Section 1802, the CDFW has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitats necessary for biologically sustainable populations. The California Fish and Game Code also provides authority for the CDFW to regulate projects that could result in the "take" of any species listed by the State as threatened or endangered (Section 2081). CDFW also has authority over all state streams, as described below.

Perennial and intermittent streams also fall under the jurisdiction of CDFW according to Sections 1601-1603 of the Fish and Game Code (Streambed Alteration Agreements). CDFW's jurisdictional extent includes work within the stream zone, including the diversion or obstruction of the natural flow or changes in the channel, bed, or bank of any river, stream, or lake. Before issuing a 1601 or 1603 Streambed Alteration Agreement, the CDFW must demonstrate compliance with CEQA. In most cases, CDFW relies on the CEQA review performed by the local lead agency. However, in cases where no CEQA review was required for the project, CDFW would act as the lead agency under CEQA.

The CDFW also has the authority to protect state-listed species issues under Section 2081 Incidental Take Permit if a project has the potential to negatively affect state-protected plant or animal species or their habitats, either directly or indirectly. Protected species include those "listed" by the State as endangered or threatened. Besides listed species, other species protection categories include "fully protected" and California Species of Special Concern (CSC). Adverse impacts to species that are "fully protected" are prohibited.

Under the California Fish & Game Code (FGC Section 3503), "it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird…." Birds of prey (falcons, hawks, owls, and eagles) get extra protection under the law (FGC Section 3503.5).

As with USFWS, CDFW does not have the authority to require a landowner to apply for an Incidental Take Permit (ITP) authorizing take. Instead, the landowner has the legal obligation to avoid any take of state-listed species if it does not seek an ITP. CDFW (and USFWS) can initiate an enforcement action if they believe that an illegal take has occurred or will occur.

California Endangered Species Act

The California Endangered Species Act (CESA) protects candidate plants and animal species and those listed under CESA as rare, threatened, or endangered. This Act prohibits the take of any such species unless authorized. Section 2081 authorizes the State to issue ITPs. The state definition of taking applies only to acts that result in death or adverse impacts on protected species. The CESA mirrors the federal regulation as it relates to "take"; however, there is no State equivalent definition of "harm" or "harass." Incidental take is also not defined by the CESA statute or regulation. Unlike the federal ESA, CESA does qualify that incidental take" "is not prohibited "if it is the result of an act that occurs on a farm or ranch during an otherwise lawful routine and ongoing agricultural activity." Where disagreement occurs (and in some cases, this has been the subject of court cases) is in the common understanding of “routine and ongoing agricultural activity."

California Environmental Quality Act

The CEQA Guidelines require a review of projects to determine their environmental effects and identify mitigation measures to reduce impacts to a less than significant level. The Guidelines state that an effect may be significant if it affects rare and endangered species. Section 15380 of the Guidelines defines *rare* to include listed species and allows agencies to consider rare species other than those designated as State or Federal threatened or endangered but that meet the standards for rare under the Federal or State endangered species acts. On this basis, plants designated as rare by non-regulatory organizations (e.g., California Native Plant Society), species of special concern defined by CDFW, candidate species defined by USFWS, and other designations must be considered in CEQA analyses.

Land Use Entitlements

Fresno County

The Project site is under the jurisdiction of Fresno County. The County is responsible for all local land-use decisions within its jurisdiction under CEQA and would serve as the lead agency. As the lead agency, the County will consider other responsible agencies' recommendations during the CEQA review.

2.0 RESOURCES CONSULTED AND METHODS

The following section describes the methods used to assess the Study Area and includes data review and evaluation, field studies, and aerial photograph interpretations.

2.1 DATA AND LITERATURE REVIEW

Documents and sources of information used to prepare this evaluation include the following:

- Aerial photography (Google Earth®, Bing®, and historic aerials).
- California Department of Fish and Wildlife, California Natural Diversity Database (CNDDB/RareFind - Recent version with updates)
- EcoAtlas 2025.
- U.S. Department of Agriculture, Natural Resources Conservation Service, Soil Survey of Fresno County (Soils mapper).
- U.S. Fish and Wildlife Service, National Wetland Inventory Map.
- U.S. Fish and Wildlife Service, Information for Planning and Consultation (IPaC) query, March 2025.
- U.S. Geological Survey, Historical Topographic Map, Kerman and Biola Quadrangles, 1924, University of Texas, Austin, Perry-Castañeda Map Collection

Before conducting a site review, the California Natural Diversity Database/ RareFind (CNDDB) and the USFWS IPaC were consulted to determine the species potentially present within the Study Area based on location. The review assessed the likelihood of special status species being present based on the site's distance from recorded occurrences and the presence or absence of habitat types used by these species. The CNDDB includes records of reported observations for special status plant and animal species and is queried based on a search radius of USGS quadrangle maps. Before conducting the fieldwork, Argonaut reviewed high-resolution aerial photographs to determine if any areas on the site supported the presence of WOTUS.

2.2 AERIAL PHOTOGRAPHY AND WETLAND MAPPING

Historical aerial photographs dating back to the 1980s of the Study Area were reviewed to identify site features and determine land-use changes over time. Wetland mapping and aerial photographs were also reviewed to determine if the Study Area recently supported wetlands.

2.3 FIELD INVESTIGATION

A site investigation was performed on June 6, 2025. All habitat features were mapped. Vegetation and drainage patterns within the Study Area were also inspected to determine the habitat present and suitability for species of concern. The site was walked using transects to provide full coverage. The Study Area is shown in Figure 2.



Figure 2

STUDY AREA/AERIAL

HARVEST ESTATES

Kerman, Fresno County, CA

ARGONAUT ECOLOGICAL CONSULTING INC.

Imagery Source: Maxar (10/2023)

3.0 PHYSICAL RESOURCES, RESULTS, AND CONCLUSIONS

Section 3.1, below, describes the physical features (i.e., land use, soils, vegetation, hydrology, etc.) and the study area's biological features. The physical components and land use strongly influence the types of plants and animals present. This section also describes the habitats present and the specific biological resources observed during the site review.

Section 3.2 presents our conclusions, and Section 3.3 contains recommended avoidance and minimization measures to avoid potential impacts.

The following is not an exhaustive inventory of plants and animals present. Instead, the discussion provides sufficient information to characterize the habitat and habitat components present on site. This field survey identified the biological resources present. The biological evaluation discusses the habitat present and the potential for that habitat to support any species considered unique, sensitive, or protected by current law. The conclusion section (3.2) summarizes the results of the data review, fieldwork, and evaluation of biological resources and potential impacts. The conclusion sections also include recommendations for measures to minimize any potential impacts.

3.1 PHYSICAL RESOURCES

Climate

The Study Area climate is typical of the central San Joaquin Valley, with long, hot, dry summers and cool, mild winters. In the winter, rainfall averages approximately 9.99 inches per year, falling mainly between November and April (Western Regional Climate Center, 2004). During 2021 total rainfall, the Fresno region had a total of 8.22 inches; in 2022, there was a total of 5.43 inches. Since the fall of 2022, the regional rainfall totaled 21 inches (through May 2023) near Fresno. The regional rainfall near Fresno (2023/2024) totaled 11.05 inches.

Topography, Drainage, and Soils

Topography and Drainage*:*

The Study Area lies within the Central Valley and is at an elevation of 220 (msl). The elevation has remained roughly the same since the early 1900s. The Houghton Canal historically appears to have run through the Study Area, but has been relocated along the northern boundary of the Study Area. There is no defined drainage path within or from the Study Area. The general direction of drainage is likely toward the southwest.

Soils

There are three site soil types within the Study Area: Hanford sandy loam – course sandy loam and silty substratum (97% of the Study Area), Hesperia sandy loam, deep (3%).

Land Use

The Study Area is in a historically rural, agricultural area of Fresno County, north of Kerman, California. The surrounding land uses include mixed uses (rural residential) and agricultural lands. The Study Area has been in agricultural production for many decades and there are two rural residential homes and an agricultural equipment yard within the Study Area, immediately east of N. Madera Avenue.

Habitat

There are several California habitat classification systems. Most classification systems describe natural communities without established developed or agricultural habitat classifications. CALVEG is a USDA Forest Service product providing a comprehensive spatial dataset of existing vegetation cover over California. The data combines automated systematic procedures, remote sensing classification, photo editing, and field-based observations. Analyses are based on CALVEG classifications and the California Wildlife Habitat Relationships (CWHR). Calveg lists the site as "Agricultural".

Surrounding the existing residence are numerous landscape shrubs and trees, including Italian Cyprus, palm trees, and shrubs and within the agricultural laydown areas is bare ground with ruderal vegetation.

Bird species observed include mourning doves, black-capped chickadees, crows, and sparrows. No other wildlife was observed within the Study Area.

Waters/Wetland

According to the National Wetland Inventory Map (Figure 3), there is one mapped waters within or immediately adjacent to the Study Area. The features is mapped as riverine, perennial, unconsolidated bottom, semi permanently flooded, excavated (R5UBFX). However, this feature no longer exists within the Study Area. (it is likely where the Houghton Canal now flows). It appears that the feature was removed sometime prior to 1985.

The Study Area was walked to look for any evidence of potential wetlands/waters habitat, and wetland, waters, or any other aquatic habitat (either perennial or seasonal) is present. There are no seasonal wetlands within the Study Area or other waters of the U.S./waters of the State.

Special Status Species

A query of the California Natural Diversity Database (CNDDB) and the USFWS IPaC was performed to determine which special status species could be present within the Study Area. No critical habitat exists for any species within or near the Study Area. The CNDDB Bios mapping is

shown in Figure 3[1]. This map shows the location of known records of special status species within 2 miles of the Study Area, and Table 1 includes a summary of the query results.

The Study Area is not within any Critical Habitat for any listed species.

Birds

The CNDDB and the IPaC include several bird species that have the potential to be present within or near the Study Area, including migratory birds. There is one mature large enough to support raptor nesting, but no raptor nests are present. The orchard trees could provide nesting habitat for migratory birds. Only one ground-nesting raptor (burrowing owl) is potentially present within the region, but there is no suitable nesting habitat for this species within the Study Area (ground burrows).

Mammals

The IPaC list one mammal species within the region (San Joaquin kit fox). However, there are no known records of San Joaquin kit fox within a 10-mile radius of the Study Area, and the habitat within the Study Area is unsuitable for this species.

Amphibians, Reptiles, and Invertebrates

The Study Area does support any aquatic habitat. Therefore, species that depend on aquatic habitats for any part of their life cycle are absent within the Study Area. There is also no suitable habitat for protected invertebrates, including insects, within the Study Area.

Plants

The CNDDB and IPaC identify numerous special-status plant species. The majority of the plants are species associated with wetlands or aquatic habitats. There is no suitable habitat for any of these species within or immediately adjacent to the Study Area because the Study Area is in orchard crop production and has been for several decades.

The site review was conducted during the prime bloom period for most plants in this region. No special status species of plants are present.

[1] It is essential to keep in mind that a number of records in the CNDDB database are historical records (beginning around the 1900s) and are not intended to affirm current presence or absence. The database query also included unpublished CDFW records. Potential presence/absence is based on the specific habitat components within a Study Area.

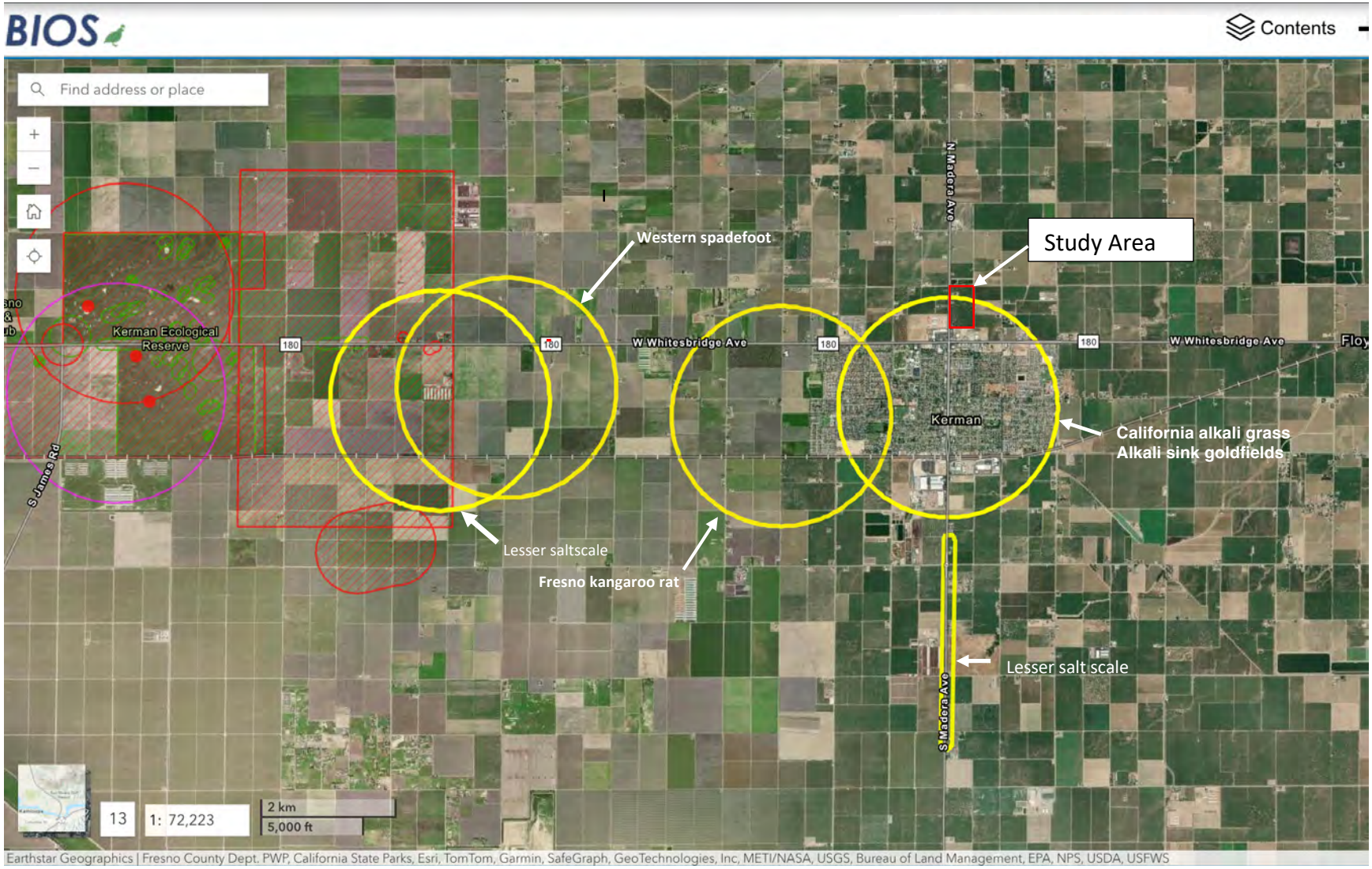


Figure 3

CNDDB BIOS Mapping

ARGONAUT ECOLOGICAL CONSULTING, INC.

Table 1
Summary of Special Status Species, Potential Occurrence, and Impact

Common Name	Scientific Name	Status[1]	Effects[2]	Occurrence in the Study Area[3]
Birds				
Burrowing owl	*Athenea cunicularia*	SSC	NE	**Absent.** Occupies grasslands and some disturbed sites but needs ground burrowing mammal burrows for nesting. No ground burrows are present.
Mammals, Amphibians, Reptiles, and Invertebrates				
Western spadefoot	*Spea hammondii*	PT/--	NE	**Absent.** Breeds in seasonal wetlands and is found within upland grasslands. There is no breeding habitat within or near the Study Area. Upland habitat used by the species is also not present.
Fresno kangaroo rat	*Dipodomys nitratoides*	CT, FE	NE	**Absent.** Species requires a land surface with hummocks as sites for its extensive, but shallow burrow system, and a substrate suitable compactness to permit burrowing. No suitable habitat is present**.**
San Joaquin kit fox	*Vulpes macrotis mutica*	CT, FE	NE	**Absent.** Species occurs within a wide ranging territory and requires a suitable prey base to support the species. There is no denning habitat within the Study Area and no evidence of occupation.
Plants				
Alkali-sink goldfields	Lesser saltscale	--/-- 1B.1	NE	**Absent**. Occurs in seasonal wetlands and vernal pools. No suitable habitat is present within the Study Area.
Heartscale	*Atriplex cordulata var. cordulata*	--/-- 1.B.2	NE	**Absent.** Found in chenepod scrub, Valley and foothill grassland, meadow, alkaline flats, and sandy soils. The Study Area does not support grassland habitat.
California alkali grass	*Puccinellia simplex*	--/-- 1B.2	NE	**Absent.** Occurs in meadows and seeps, chenopod scrub, valley and foothill grasslands, alkaline soils**.**
Recurved larkspur	*Delphinium recurvatum*	--/--	NE	**Absent.** Occurs within chenopod scrub, Valley and foothill grassland often in saltbrush or valley chenopod scrub. No suitable habitat present.
Palmate-bracted bird's-beak	*Chloropyron palmatum*	FE/CE 1.B.1	NE	**Absent.** Occurs in chenopod scrub, valley and foothill grasslands, usually on silty clay soils. Suitable habitat or soils not present.
Hoover's eriastrum	*Eriastrum hooveri*	D/--	NE	**Absent.** Found in Chenopod scrub, Valley and foothill grassland. Suitable habitat not present within or near the Study Area.

1 **Status= Listing of special status species, unless otherwise indicated**

CE: California listed as Endangered

CT: California listed as Threatened

SSC: California Species of Special Concern

FE: Federally listed as Endangered

FT: Federally listed as Threatened

1B.1, 1B.2, 2B.2, 2B.3: California Native Plant

D: Formally Delisted

Source: CNDDB = California Natural Diversity Database provided by CDFG and U.S. Fish and Wildlife Service, Information for Planning and Consultation. (IPaC). Accessed online August 8, 2025.

2 **Effects = Effect determination**

NE: No Effect

ME: May Effect, not likely to adversely effect

3 **Definition of Occurrence Indicators**: **Present/Potentially**: Species recorded in the area and some habitat elements in the Study Area similar to known occurrences. **Absent/Likely Absent**: Species not recorded in Study Area and/or suitable habitat or critical habitat components not present.

3.2 CONCLUSIONS/RECOMMENDATIONS

CONCLUSIONS

- Habitat within the Study Area consists of primarily agricultural land and ruderal habitat.
- There are no wetlands or waters of the U.S. or waters of the State present within the Study Area.
- The orchard trees could provide some suitable nesting habitat for migratory birds.
- There is no suitable habitat within or adjacent to the Study Area for any listed species of plants or animals.

RECOMMENDATIONS

- Removal of the orchard trees and trees surrounding the residential homes should be conducted between September 1 – January 31 to avoid tree removal during the nesting season. In the event tree removal is scheduled to occur between February 1 – August 31, then prior to tree removal, a survey for nesting migratory birds should be completed to avoid impacts to occupied nests. Any occupied nest must be protected/avoided until after the young have fledged.

References

California Natural Diversity Database (CNDDB) Online. Subscription with updates. Available at: URL https://www.wildlife.ca.gov/Data/CNDDB

National Resource Conservation Service (NRCS), Web Soils Survey. Available at: URL https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

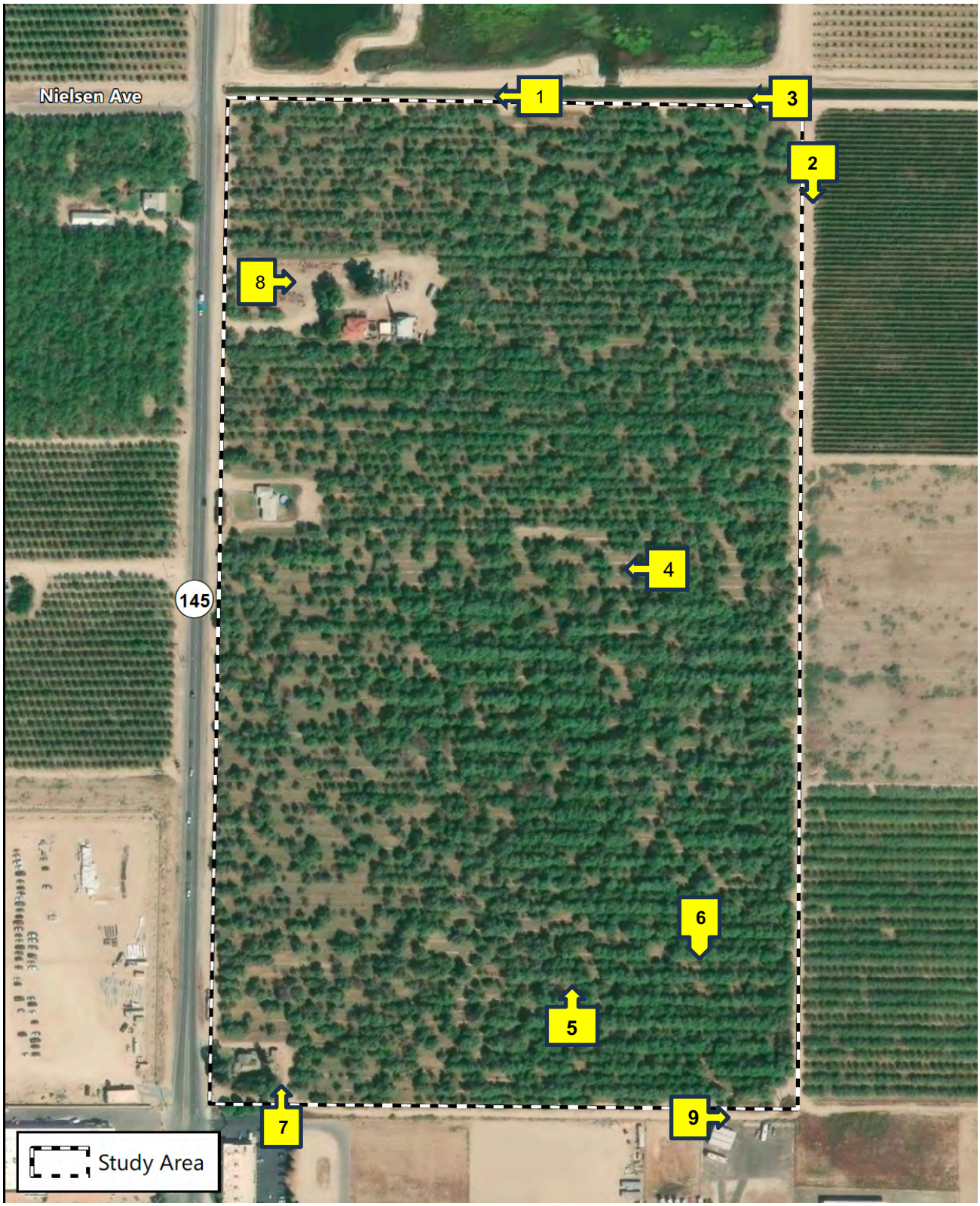
U.S. Fish and Wildlife Service. Information for Planning and Consultation (IPaC). Available at URL: https://ipac.ecosphere.fws.gov/

U.S. Fish and Wildlife Service, National Wetland Inventory Maps. Available at URL: https://www.fws.gov/wetlands/data/mapper.html

U.S. Geologic Survey, Historic topographic Map, Kerman and Biola Quadrangle, 1919, University of Texas, Austin, Perry-Castañeda Map Collection. Available at: URL: https://legacy.lib.utexas.edu/maps/

Attachment A: Photographs

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Attachment A: Photograph Key

Project: Harvest Estates, Kerman, California

ARGONAUT ECOLOGICAL CONSULTING, INC.



Photograph 1:



Photograph 2

.



Photograph 3



Photograph 4



Photograph 5



Photograph 6



Photograph 7



Photograph 8



Photograph 9

7.3 Appendix C: CHRIS Search Results

California Historical Resources Information System



Fresno
Inyo
Kern
Kings
Madera
Tulare

Southern San Joaquin Valley Information Center
California State University, Bakersfield
Mail Stop: 72 DOB
9001 Stockdale Highway
Bakersfield, California 93311-1022
(661) 654-2289
Email: ssjvic@csub.edu
Website: www.csub.edu/ssjvic

To: Seth Ramirez
Precision Civil Engineering, Inc.
1234 O Street
Fresno, CA 93721

Record Search 25-198

Date: May 12, 2025

Re: Harvest Estates

County: Fresno

Map(s): Kerman 7.5'

CULTURAL RESOURCES RECORDS SEARCH

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

The following are the results of a search of the cultural resource files at the Southern San Joaquin Valley Information Center. These files include known and recorded cultural resources sites, inventory and excavation reports filed with this office, and resources listed on the National Register of Historic Places, the OHP Built Environment Resources Directory, California State Historical Landmarks, California Register of Historical Resources, California Inventory of Historic Resources, and California Points of Historical Interest. Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the OHP are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area.

PRIOR CULTURAL RESOURCE STUDIES CONDUCTED WITHIN THE PROJECT AREA AND THE ONE-HALF MILE RADIUS

According to the information in our files, there has been one previous cultural resource study completed within the project area: FR-02501. There have been eleven additional cultural resource studies completed within the one-half mile radius: FR-00245, 00246, 00247, 00663, 02414, 02505, 2506, 02582, 02754, 03018, and 03140.

Record Search 25-198

KNOWN/RECORDED CULTURAL RESOURCES WITHIN THE PROJECT AREA AND THE ONE-HALF MILE RADIUS

According to the information in our files, there are no recorded cultural resources within the project area, and it is not known if any exist there. There is one recorded cultural resource within the one-half mile radius: P-10-007097, an historic era canal.

There are no recorded cultural resources within the project area or radius that are listed in the National Register of Historic Places, the California Register of Historical Resources, the California Points of Historical Interest, California Inventory of Historic Resources, or the California State Historic Landmarks.

COMMENTS AND RECOMMENDATIONS

We understand this project consists of the rezoneing and subdivisions of existing parcels for future commercial and residential development. Further, we understand the project area is currently used for agricultural purposes. Please note that agriculture does not constitute previous development, as it does not destroy cultural resources, but merely moves them around within the plow zone. Because a cultural resources study has not been conducted on this project area, it is unknown if any cultural resources are present. Because no ground disturbance will result from this project, no further cultural resource investigation is recommended at this time. However, prior to any future ground disturbance activities, we recommend the entire project area first be surveyed by a qualified, professional consultant to determine if any cultural resources are present. A referral list is available at www.chrisinfo.org.

We also recommend that you contact the Native American Heritage Commission in Sacramento. They will provide you with a current list of Native American individuals/organizations that can assist you with information regarding cultural resources that may not be included in the CHRIS Inventory and that may be of concern to the Native groups in the area. The Commission can consult their "Sacred Lands Inventory" file to determine what sacred resources, if any, exist within this project area and the way in which these resources might be managed. Finally, please consult with the lead agency on this project to determine if any other cultural resource investigation is required. If you need any additional information or have any questions or concerns, please contact our office at (661) 654-2289.

By: 

Celeste M. Thomson, Coordinator **Date**: May 12, 2025

Please note that invoices for Information Center services will be sent under separate cover from the California State University, Bakersfield Accounting Office.

7.4 Appendix D: NAHC Letter

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Bennae Calac
Pauma-Yuima Band of Luiseño Indians

COMMISSIONER
Vacant

ACTING EXECUTIVE SECRETARY
Steven Quinn

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710

May 16, 2025

Seth Ramirez
Precision Civil Engineering, Inc.

Via Email to: sramirez@percisioneng.net

Re: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, Harvest Estates Project, Fresno County

To whom it may concern:

Attached is a consultation list of tribes with traditional lands or cultural places located within the boundaries of the above referenced counties or projects.

Government Codes §65352.3 and §65352.4 require local governments to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of avoiding, protecting, and/or mitigating impacts to cultural places when creating or amending General Plans, Specific Plans and Community Plans.

Public Resources Codes §21080.3.1 and §21080.3.2 requires public agencies to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of avoiding, protecting, and/or mitigating impacts to tribal cultural resources as defined, for California Environmental Quality Act (CEQA) projects.

The law does not preclude local governments and agencies from initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction. The NAHC believes that this is the best practice to ensure that tribes are consulted commensurate with the intent of the law.

Best practice for the AB52 process and in accordance with Public Resources Code §21080.3.1(d), is to do the following:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The NAHC also recommends, but does not require that lead agencies include in their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential affect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

    - A listing of any and all known cultural resources have already been recorded on or adjacent to the APE, such as known archaeological sites;
    - Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
    - Whether the records search indicates a low, moderate or high probability that unrecorded cultural resources are located in the APE; and
    - If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

    - Any report that may contain site forms, site significance, and suggested mitigation measures.

      All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code Section 6254.10.

3. The result of the Sacred Lands File (SFL) check conducted through the Native American Heritage Commission was negative.

4. Any ethnographic studies conducted for any area including all or part of the potential APE; and

5. Any geotechnical reports regarding all or part of the potential APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS is not exhaustive, and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event, that they do, having the information beforehand well help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address:

Pricilla.Torres-Fuentes@nahc.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Fresno County
5/16/2025

County	Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
Fresno	Amah Mutsun Tribal Band	N	Valentin Lopez, Chairperson	P.O. Box 5272 Galt, CA, 95632	(916) 743-5833		vjltestingcenter@aol.com	Costanoan Northern Valley Yokut	Alameda,Calaveras,Contra Costa,Fresno,Madera,Mariposa,Merced,Monterey,San Benito,San Francisco,San	7/20/2023
	Amah Mutsun Tribal Band	N	Ed Ketchum, Vice-Chairperson		(530) 578-3864		aerieways@aol.com	Costanoan Northern Valley Yokut	Alameda,Calaveras,Contra Costa,Fresno,Madera,Mariposa,Merced,Monte	7/20/2023
	Northern Valley Yokut / Ohlone Tribe	N	Timothy Perez, Tribal Compliance Officer	P.O. Box 717 Linden, CA, 95236	(209) 662-2788		huskanam@gmail.com	Costanoan Northern Valley Yokut	Alameda,Calaveras,Contra Costa,Fresno,Madera,Mariposa,Merced,Sacramento,San Benito,San Joaquin,Santa	11/21/2023
	Northern Valley Yokut / Ohlone Tribe	N	Katherine Perez, Chairperson	P.O. Box 717 Linden, CA, 95236	(209) 649-8972		canutes@verizon.net	Costanoan Northern Valley Yokut	Alameda,Calaveras,Contra Costa,Fresno,Madera,Mariposa,Merced,Sacramento,San Benito,San Joaquin,Santa	4/30/2024
	Tule River Indian Tribe	F	Neil Peyron, Chairperson	P.O. Box 589 Porterville, CA, 93258	(559) 781-4271	(559) 781-4610	neil.peyron@tulerivertribe-nsn.gov	Yokut	Alameda,Amador,Calaveras,Contra Costa,Fresno,Inyo,Kern,Kings,Madera,Mariposa,Merced,Monterey,Sacramento,San	
	Wuksachi Indian Tribe/Eshom Valley Band	N	Kenneth Woodrow, Chairperson	1179 Rock Haven Ct. Salinas, CA, 93906	(831) 443-9702		kwood8934@aol.com	Foothill Yokut Mono	Alameda,Calaveras,Contra Costa,Fresno,Inyo,Kings,Madera,Marin,Mariposa,Merced,Mono,Monterey,San Benito,San	6/19/2023

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable only for consultation with Native American tribes under Government Code Sections 65352.3, 65352.4 et seq. and Public Resources Code Sections 21080.3.1 for the proposed Harvest Estates Project, Fresno County.

Record: PROJ-2025-002689
Report Type: AB52 SB18 Combo
Counties: Fresno
NAHC Group: All

7.5 Appendix E: Noise Assessment

ACOUSTICAL ANALYSIS

HARVEST ESTATES SUBDIVISION
KERMAN, CALIFORNIA

WJVA Project No. 25-28

PREPARED FOR

PRECISION ENGINEERING
1234 O STREET
FRESNO, CALIFORNIA 93721

PREPARED BY

WJV ACOUSTICS, INC.
VISALIA, CALIFORNIA

wjv acoustics

SEPTEMBER 19, 2025

INTRODUCTION

Annexation (ANX 2025-01), Rezone/Prezone (REZ 2025-01), General Plan Amendment (GPA 2025-01), Tentative Subdivision Map (TSM 2025-01), and Environmental Review (ENV Harvest Estates 2025-02) are requested by Cypress Developments, LLC (Applicant) and pertain to three (3) parcels totaling approximately 54.2 acres (gross) that are located north of West Whitesbridge Avenue (CA-180) between North Madera Avenue (CA-145) and North Vineland Avenue. The parcels are identified by Fresno County Assessor as APNs 025-130-48 (19.61 acres), 025-130-47 (19.56 acres) and 025-130-60S (15.07 acres).

The Project site is within the City of Kerman Sphere of influence; however, all parcels are currently outside city limits and would require an annexation from the County of Fresno and a pre-zone/rezone to a zone district consistent with the Kerman General Plan land use designation(s). ANX 2025-01 would annex the three (3) parcels, APNs 025-130-48, 025-130-47, and 025-130-60S, from Fresno County into the Kerman City Limits.

The Project site encompasses two (2) Kerman General Plan land use designations of Medium Density Residential (up to 12 dwelling units per acre) in addition to General Commercial and is currently within the AL-20 – Limited Agricultural zone district. The Applicant proposes modifying the existing land use designation (GPA 2025-01) for the site from approximately 24 acres to 21 acres of General Commercial and approximately 29 acres to 31 acres of Medium Density Residential.

REZ 2025-01 requests to rezone/prezone an approximately 31-acre portion of the Project site to the Smart Development (SD)-Residential (R)-4.5 (4,500 SF. Avg. Parcel Size), which is consistent with the proposed Medium Density Residential land use designation. The rezone/prezone to the SD zone district requires a development plan prior to building permit approval to illustrate how the site complies with the applicable SD development standards.

REZ 2025-01 also proposes to rezone/prezone approximately 21 acres of the project site to CG-General Commercial Zone which will be consistent with the proposed General Plan Land use designation of General Commercial once GPA 2025-01 modifies the existing land use configuration.

TSM 2025-01 would facilitate the subdivision of approximately 31 acres of the Project site (APN 025-130-48 and a portion of 025-130-47) into 172 single-family lots (5.54 dwelling units per acre) that range in size from 4,398 square feet to 10,115 square feet, in addition to 0.55 acres reserved for open space/park use. For the purposes of the environmental analysis, a maximum potential buildout of 185 lots (5.96 dwelling units per acre) will be analyzed. The residential portion of the Project would have an internal network of local streets and sidewalks with two (2) points of ingress/egress to North Madera Ave (CA-145). Future commercial acreage (approx. 21 acres) to the North of the single-family lots will be developed under separate approval.

The Project site is also under two (2) Williamson Act Contracts, AP-2755 and AP-6290. The City of Kerman will not succeed the rights, duties, and powers of the County under the Williamson Act Contract, as allowed under California Government Code 51243.5. Upon annexation into the Kerman City Limits, AP-2755 and AP-6290 would be effectively cancelled.

This analysis, prepared by WJV Acoustics, Inc. (WJVA), is based upon a project site plan provided by the applicant, traffic data provided by VRPA Technologies, Inc., and the findings of on-site noise level measurements. Revisions to the lot layout plan may affect the findings and recommendations of this report. The site plan is provided as Figure 1.

Appendix A provides a description of the acoustical terminology used in this report. Unless otherwise stated, all sound levels reported are in A-weighted decibels (dB). A-weighting de-emphasizes the very low and very high frequencies of sound in a manner similar to the human ear. Most community noise standards utilize A-weighting, as it provides a high degree of correlation with human annoyance and health effects. Appendix B provides typical A-weighted sound levels for common noise sources.

NOISE EXPOSURE CRITERIA

General Plan-

The City of Kerman 2040 General Plan (adopted July 2020) sets noise compatibility standards for transportation noise sources in terms of the Day-Night Average Level (L_{dn}). Implementing Policy PH-8.2 of the Public Health and Safety Element establishes a land use compatibility criterion as 60 dB L_{dn} for exterior noise exposure within outdoor activity areas of residential land uses. Outdoor activity areas generally include backyards of single-family residences, individual patios or decks of multi-family developments and common outdoor recreation areas of multi-family developments. The intent of the exterior noise level requirement is to provide an acceptable noise environment for outdoor activities and recreation.

Additionally, Implementing Policy PH-8.2 of the Public Health and Safety Element requires that interior noise levels attributable to exterior transportation noise sources not exceed 45 dB L_{dn}. The intent of the interior noise level standard is to provide an acceptable noise environment for indoor communication and sleep.

The City of Kerman General Plan also provides exterior noise level standards for non-transportation (stationary) noise sources. The standards become more restrictive during the nighttime hours (10:00 p.m. to 7:00 a.m.). The stationary noise level standards are established in terms of the hourly average equivalent noise level (L_{eq}) and the maximum hourly noise level (L_{max}). Table I provides the applicable City of Kerman exterior noise level standards for stationary noise sources.

TABLE I

NON-TRANSPORTATION NOISE LEVEL STANDARDS, dBA
CITY OF KERMAN GENERAL PLAN

Daytime (7 a.m.-10 p.m.)		Nighttime (10 p.m.-7 a.m.)	
L_{eq}	L_{max}	L_{eq}	L_{max}
50	70	45	65

Source: City of Kerman General Plan

Construction Noise and Vibration -

Section 9.26 (Prohibition of Unreasonably Loud and Unnecessary Noise) of The City of Kerman Code of Ordinances prohibits construction activities outside of the hours of 7:00 a.m. to 10:00 p.m.

There are no City of Kerman vibration level standards. Some guidance is provided by the Caltrans Transportation and Construction Vibration Guidance Manual. The Manual provides guidance for determining annoyance potential criteria and damage potential threshold criteria. These criteria

are provided below in Table III and Table IV, and are presented in terms of peak particle velocity (PPV) in inches per second (in/sec).

TABLE II

GUIDELINE VIBRATION ANNOYANCE POTENTIAL CRITERIA

Human Response	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Barely Perceptible	0.04	0.01
Distinctly Perceptible	0.25	0.04
Strongly Perceptible	0.9	0.1
Severe	2.0	0.4

Source: Caltrans

TABLE III

GUIDELINE VIBRATION DAMAGE POTENTIAL THRESHOLD CRITERIA

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile, historic buildings, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: Caltrans

PROJECT SITE NOISE EXPOSURE

The project site is currently in the jurisdiction of the County of Fresno, California. The site comprises three (3) parcels identified by the Fresno County Assessor as Assessor Parcel Numbers (APNs) 025,130,48, 025-130-47, and 025-130-60S totaling approximately 54.2 acres, located north of West Whitesbridge Avenue (CA-180) between North Madera Avenue (CA-145) and North Vineland Ave, adjacent northeast to Kerman City Limits.

The project site would be exposed to traffic noise associated with vehicles on N. Madera Avenue (CA-145). Additional sources of noise in the project vicinity include nearby commercial/retail land uses, agricultural activities, and occasional aircraft overflights.

Background Noise Level Measurements

Measurements of existing ambient noise levels in the project vicinity were conducted on June 11 & 12, 2025. Long-term (24-hour) ambient noise level measurements were conducted at two (2) locations (sites LT-1 and LT-2). Ambient noise levels were measured for a period of 24 continuous hours at each of the two locations. Site LT-1 was located along the western project boundary, along the east side of N. Madera Avenue. Site LT-1 was predominantly exposed to noise associated traffic on N. Madera Avenue, as well as nearby agricultural activities and occasional aircraft overflights. Site LT-2 was located along the southern project boundary, adjacent to existing commercial/retail land uses. Site LT-2 was predominantly exposed to noise associated with nearby commercial/retail activities, agricultural activities, distant traffic along W. Whitesbridge Avenue and occasional aircraft overflights. The locations of the 24-hour ambient noise monitoring sites are provided on Figure 2.

Noise monitoring equipment consisted of Larson-Davis Laboratories Model LDL-820 sound level analyzers equipped with B&K Type 4176 1/2" microphones. The equipment complies with the specifications of the American National Standards Institute (ANSI) for Type I (Precision) sound level meters. The meters were calibrated with a B&K Type 4230 acoustic calibrator to ensure the accuracy of the measurements.

Measured hourly energy average noise levels (L_{eq}) at site LT-1 ranged from a low of 49.2 dB between midnight and 1:00 a.m. to a high of 66.2 dBA between 8:00 a.m. and 9:00 a.m. Hourly maximum (L_{max}) noise levels at site LT-1 ranged from 74.2 to 89.4 dBA. Residual noise levels at the monitoring site, as defined by the L_{90}, ranged from 37.9 to 52.2 dBA. The L_{90} is a statistical descriptor that defines the noise level exceeded 90% of the time during each hour of the sample period. The L_{90} is generally considered to represent the residual (or background) noise level in the absence of identifiable single noise events from traffic, aircraft, and other local noise sources. The measured L_{dn} value at site LT-1 was 65.7 dB L_{dn}. Figure 3 graphically depicts hourly variations in ambient noise levels at site LT-1. Figure 4 provides a photograph of measurement site LT-1.

Measured hourly energy average noise levels (L_{eq}) at site LT-2 ranged from a low of 47.1 dB between 1:00 a.m. and 2:00 a.m. to a high of 54.6 dBA between 4:00 p.m. and 5:00 p.m. Hourly

maximum (L_{max}) noise levels at site LT-2 ranged from 55.8 to 79.0 dBA. Residual noise levels at the monitoring site, as defined by the L_{90}, ranged from 42.9 to 48.0 dBA. The measured L_{dn} value at site LT-2 was 56.7 dB L_{dn}. Figure 5 graphically depicts hourly variations in ambient noise levels at site LT-2. Figure 6 provides a photograph of measurement site LT-2.

Based upon the findings of the two long-term ambient noise measurements, project-site noise exposure along the project site's N. Madera Avenue roadway frontage exceeds the City of Kerman exterior noise level standard of 60 dB L_{dn}. However, noise exposure levels at other portions of the project site would not exceed the City's exterior noise level standard.

Additionally, short-term (15-minute) ambient noise level measurements were conducted at three (3) locations (Sites ST-1 through ST-3). Two (2) individual measurements were taken at each of the three short-term sites to quantify ambient noise levels in the morning and afternoon hours. The locations of the short-term noise monitoring sites are provided on Figure 2.

Short-term noise measurements were conducted for 15-minute periods at each of the three sites. Site ST-1 was located near the northwest corner of the project site boundary. Site ST-2 was located near the southwest corner of the project site boundary, in the vicinity of an existing single-family residence. Site ST-3 was located near the eastern project site boundary. The short-term ambient noise measurement sites were exposed to noise associated with roadway traffic (ST-1 and ST-2), nearby agricultural activities (ST-1, ST-2, and ST-3), commercial/retail noise sources (ST-2), as well as occasional aircraft overflights (ST-1, ST-2, and ST-3).

Table IV summarizes short-term noise measurement results. The noise measurement data included energy average (L_{eq}) maximum (L_{max}) as well as five (5) individual statistical parameters. Observations were made of the dominant noise sources affecting the measurements. The statistical parameters describe the percent of time a noise level was exceeded during the measurement period. For instance, the L_{90} describes the noise level exceeded 90 percent of the time during the measurement period, and is generally considered to represent the residual (or background) noise level in the absence of identifiable single noise events from traffic, aircraft, and other local noise sources.

TABLE IV

SUMMARY OF SHORT-TERM NOISE MEASUREMENT DATA
HARVEST ESTATES SUBDIVISION, KERMAN
JUNE 11 & 12, 2025

Site	Time	A-Weighted Decibels, dBA							Sources
		L_{eq}	L_{max}	L_2	L_8	L_{25}	L_{50}	L_{90}	
ST-1	8:05 a.m.	66.1	82.0	72.0	65.2	56.6	52.0	47.1	TR, AG
ST-1	4:10 p.m.	65.6	78.0	73.2	68.4	57.1	53.3	46.0	TR, AC
ST-2	8:25 a.m.	57.1	72.8	59.0	53.4	51.9	50.7	48.2	TR, AG, B, D
ST-2	4:30 p.m.	56.6	71.4	57.2	53.8	52.0	51.5	49.8	TR, AG, D
ST-3	8:45 a.m.	52.1	65.4	60.1	52.4	51.0	46.3	44.4	AG, TR, AC
ST-3	4:50 p.m.	49.6	63.7	59.6	51.2	50.4	45.4	42.7	TR

TR: Traffic AC: Aircraft AG: Agricultural Activities C: Construction Activities B: Birds D: Barking Dogs V:Voices L: Landscaping Activities
Source: WJV Acoustics, Inc.

Traffic Noise Exposure

Project site noise exposure from traffic on adjacent roadways was calculated for existing and future (2046) traffic conditions using the FHWA Traffic Noise Model and traffic data obtained from the project traffic engineer, VRPA Technologies, Inc. A description of the noise model, applied data, methodology and findings are provided below.

WJVA utilized the Federal Highway Administration (FHWA) Highway Traffic Noise Prediction Model (FHWA-RD-77-108). The FHWA Model is a standard analytical method used for roadway traffic noise calculations. The model is based upon reference energy emission levels for automobiles, medium trucks (2 axles) and heavy trucks (3 or more axles), with consideration given to vehicle volume, speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the site. The FHWA Model was developed to predict hourly L_{eq} values for free-flowing traffic conditions, and is generally considered to be accurate within ±1.5 dB. To predict L_{dn} values, it is necessary to determine the hourly distribution of traffic for a typical day and adjust the traffic volume input data to yield an equivalent hourly traffic volume.

Annual Average Daily Traffic (AADT) data for N. Madera Avenue (SR 145) in the project vicinity was obtained from the project traffic study. Truck percentages for N. Madera Avenue (SR 145) were obtained from Caltrans. The day/night distribution of traffic was estimated by WJVA, based upon previous studies conducted in the project vicinity since project-specific data were not available from government sources. A speed limit of 35 mph was assumed for N. Madera Avenue. Table V summarizes annual average traffic data used to model noise exposure within the project site.

TABLE V

TRAFFIC NOISE MODELING ASSUMPTIONS
HARVEST ESTATES SUBDIVISION, KERMAN

	N. Madera Ave (SR 145)	
	Existing	2046
Annual Avenue Daily Traffic (AADT)	9,100	15,170
Day/Night Split (%)	90/10	
Assumed Vehicle Speed (mph)	35	
% Medium Trucks (% AADT)	5	
% Heavy Trucks (% AADT)	4	

Sources: VRPA Technologies, Inc.
WJV Acoustics, Inc.

The City of Kerman General Plan Noise Element establishes an exterior noise level standard of 60 dB L_{dn} for outdoor activity areas of residential uses. Outdoor activity areas generally include backyards of single-family residences and individual patios or decks and common outdoor activity areas of multi-family developments. The noise element also requires that interior noise levels attributable to exterior noise sources not exceed 45 dB L_{dn}.

The proposed project includes sensitive receptors (residential land uses) that could be impacted by traffic noise exposure adjacent to N. Madera Avenue (SR 145). WJVA used the above-described FHWA traffic noise model and traffic noise modeling assumptions to determine the distances from the centerline of N. Madera Avenue to the 60 dB L_{dn} noise exposure contour. Table VI provides the distance from the centerline of N. Madera Avenue to the 60 dB L_{dn} noise exposure contour. Table VI provides the contour distance for 2046 Plus Project conditions as they represent a worst-case assessment of noise exposure at proposed new sensitive receptor locations.

TABLE VI

DISTANCES TO TRAFFIC NOISE CONTOURS
HARVEST ESTATES SUBDIVISION, KERMAN
CUMULATIVE 2046 CONDITIONS

Roadway Segment (At Project Site Frontage)	Distance (feet) From Roadway Centerline to 60 dB L_{dn} Contour
N. Madera Avenue (SR 145)	172

Source: WJV Acoustics, Inc.
VRPA Technologies, Inc.

Potential Impact:
A noise impact would occur if the outdoor activity areas of proposed residential land uses are located within the 60 dB L_{dn} traffic noise contour. According to the project site plan, the closest proposed residential backyards to the centerline of N. Madera Avenue (SR 145) would be at a setback of approximately 80 feet. **At this distance, traffic noise exposure would be approximately 65 dB L_{dn}.** Such levels exceed the City of Kerman exterior noise level standard of 60 dB L_{dn}, and mitigation measures are therefore required for project noise compliance.

Mitigation Measures:
To mitigate exterior traffic noise exposure along N. Madera Avenue (SR 145), it will be necessary to construct a sound wall along the project roadway frontage. The sound wall would provide acoustical shielding of the outdoor activity areas (single-family backyards) located closest to the roadway.

A sound wall insertion loss program based on the FHWA Model was used to calculate the insertion loss (noise reduction) provided by the proposed sound walls. The model calculates the insertion loss of a wall of given height based on the effective height of the noise source, height of the receiver, distance from the receiver to the wall, and distance from the noise source to the wall. The standard assumptions used in the sound wall calculations are effective source heights of 8, 2 and 0 feet above the roadway for heavy trucks, medium trucks, and automobiles, respectively. The standard height of a residential receiver is five (5) feet above the ground elevation.

Based upon the above-described assumptions and method of analysis and assumed locations of the closest possible residential land uses to these roadways, it was determined that a sound wall, constructed to a minimum height of 6 feet above project site grade, would reduce traffic noise exposure by approximately 6 dB, with a resulting exterior noise exposure level of 59 dB L_{dn} at the closest proposed residential lots to N. Madera Avenue (SR 145).

The sound wall should be turned inward (eastward), as indicated on Figure 1. Suitable construction materials include concrete blocks, masonry, or stucco on both sides of a wood or steel stud wall.

It should be noted, the above-described sound wall would be effective at first-floor receiver locations only, and would not provide acoustical shielding to any proposed second-floor receivers. Therefore, noise exposure levels at any proposed individual second-floor balconies facing N. Madera Avenue (for the first row of homes adjacent to the roadway) would exceed the City of Kerman exterior noise level standard of 60 dB L_{dn}.

Interior Noise Exposure

The City of Kerman interior noise level standard is 45 dB L_{dn}. The worst-case noise exposure within the proposed residential development would be approximately 60 dB L_{dn} at first-floor receiver locations and approximately 65 dB L_{dn} at second-floor receiver locations, for the proposed lots adjacent to N. Madera Avenue (SR 145). This means that the proposed residential construction must be capable of providing a minimum outdoor-to-indoor noise level reduction (NLR) of approximately 20 dB (65-45=20).

A specific analysis of interior noise levels was not performed. However, it may be assumed that residential construction methods complying with current building code requirements will reduce exterior noise levels by approximately 25 dB if windows and doors are closed. This will be sufficient for compliance with the City's 45 dB L_{dn} interior standard at all proposed lots. Requiring that it be possible for windows and doors to remain closed for sound insulation means that air conditioning or mechanical ventilation will be required.

PROJECT NOISE IMPACTS TO OFF-SITE SENSITIVE RECEPTORS

Project-Related Increases In Traffic Noise Exposure

WJVA utilized the FHWA Traffic Noise Model to quantify expected project-related increases in traffic noise exposure along roadways in the project vicinity. The FHWA Model is a standard analytical method used by state and local agencies for roadway traffic noise prediction. The model is based upon reference energy emission levels for automobiles, medium trucks (2 axles) and heavy trucks (3 or more axles), with consideration given to vehicle volume, speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the site. The FHWA Model was developed to predict hourly L_{eq} values for free-flowing traffic conditions, and is generally considered to be accurate within ±1.5 dB. To predict L_{dn} values, it is necessary to determine the hourly distribution of traffic for a typical day and adjust the traffic volume input data to yield an equivalent hourly traffic volume.

Traffic noise exposure levels for Existing, Existing Plus Project, 2046 Cumulative, and 2046 Cumulative Plus Project traffic conditions were calculated based upon the FHWA Model and traffic volumes provided by the project traffic engineer, VRPA Technologies, Inc. The day/night distribution of traffic and the percentages of trucks used for modeling were estimated based upon previous studies WJVA has conducted along similar roadways as such data was not available from governmental sources. The Noise modeling assumptions used to calculate project traffic noise are provided as Appendix C.

Project-related significant impacts would occur if an increase in traffic noise associated with the project would result in noise levels exceeding the City's applicable noise level standards at the location(s) of sensitive receptors. For the purpose of this analysis a significant impact is also assumed to occur if traffic noise levels were to increase by 3 dB at sensitive receptor locations where noise levels already exceed the City's applicable noise level standards (without the project), as 3 dB generally represents the threshold of perception in change for the human ear. This analysis of project traffic noise focuses on residential land uses, as they represent the most restrictive noise level criteria by land use type provided in the General Plan.

The City's exterior noise level standard for residential land uses is 60 dB L_{dn}. Traffic noise was modeled at fourteen (14) receptor locations. The ten modeled receptors are located at roadway setback distances representative of the sensitive receptors (residences) along each analyzed roadway segment. The modeled traffic noise receptors are described below and provided graphically as Figure 7.

- R-1: Residence located approximately 135 feet from the centerline of Nielsen Ave.
- R-2: Residence located approximately 150 feet from the centerline of N. Madera Ave.
- R-3: Residence located approximately 165 feet from the centerline of N. Madera Ave.
- R-4: Residence located approximately 80 feet from the centerline of W. Whitesbridge Ave.
- R-5: Residence located approximately 80 feet from the centerline of S. Del Norte Ave.
- R-6: Residence located approximately 75 feet from the centerline of S 1st St.

- R-7: Residence located approximately 175 feet from the centerline of N. Vineland Ave.
- R-8: Residence located approximately 170 feet from the centerline of S. Vineland Ave.
- R-9: Residence located approximately 110 feet from the centerline of W. Stanislaus Ave.
- R-10: Residence located approximately 110 feet from the centerline of W. Stansilaus Ave.
- R-11: Residence located approximately 110 feet from the centerline of W. Kearney Blvd.
- R-12: Residence located approximately 110 feet from the centerline of S. 1st St.
- R-13: Residence located approximately 110 feet from the centerline of W. Kearney Blvd.
- R-14: Residence located approximately 110 feet from the centerline of S. 1st St.

Existing Conditions

Table VII provides Existing and Existing Plus Project traffic noise exposure levels at the fourteen analyzed receptor locations. Noise levels described in Table VII do not include any acoustic shielding that may be provided by existing buildings, fences, or walls, and therefore represents a worst-case assessment of traffic noise exposure levels.

TABLE VII

PROJECT-RELATED INCREASES IN TRAFFIC NOISE, dB, L_{dn}
HARVEST ESTATES SUBDIVISION, KERMAN
EXISTING CONDITIONS

Modeled Receptor	Existing	Existing Plus Project	Change (Maximum)	Significant Impact?
R-1	34	34	0	No
R-2	58	58	0	No
R-3	58	58	0	No
R-4	66	66	0	No
R-5	57	57	0	No
R-6	56	56	0	No
R-7	45	45	0	No
R-8	56	56	0	No
R-9	51	51	0	No
R-10	53	53	0	No
R-11	55	55	0	No
R-12	51	51	0	No
R-13	55	55	0	No
R-14	51	51	0	No

Source: WJV Acoustics, Inc.
JLB Traffic Engineering, Inc.

Reference to Table V indicates that project-related traffic for Existing conditions would not result in noise levels at any sensitive receptors to exceed the City's noise level standard, nor result in an increase of 3 dB in any sensitive receptor locations where noise levels already exceed the City's noise level standard without the implementation of the project.

2046 Cumulative Conditions

Table VIII provides 2046 Cumulative traffic noise exposure levels at the fourteen analyzed representative receptor locations, and provides what the project contribution would be to 2046 Cumulative conditions. Noise levels described in Table VIII do not include any acoustic shielding that may be provided by existing buildings, fences, or walls, and therefore represents a worst-case assessment of traffic noise exposure levels.

TABLE VIII

PROJECT-RELATED INCREASES IN TRAFFIC NOISE, dB, L_{dn}
HARVEST ESTATES SUBDIVISION, KERMAN
2046 CUMULATIVE CONDITIONS

Modeled Receptor	2046	2046 Plus Project	Change (Maximum)	Significant Impact?
R-1	39	39	0	No
R-2	60	60	0	No
R-3	59	59	0	No
R-4	69	69	0	No
R-5	60	60	0	No
R-6	58	58	0	No
R-7	46	46	0	No
R-8	59	59	0	No
R-9	52	52	0	No
R-10	54	54	0	No
R-11	57	57	0	No
R-12	53	53	0	No
R-13	57	57	0	No
R-14	53	53	0	No

Source: WJV Acoustics, Inc.
VRPA Technologies, Inc.

Reference to Table VI indicates that project-related traffic for 2046 Cumulative conditions would not result in noise levels at any sensitive receptors to exceed the City's noise level standard, nor result in an increase of 3 dB in any sensitive receptor locations where noise levels already exceed the City's noise level standard without the implementation of the project.

Construction Noise and Vibration

Construction noise would occur at various locations within the project site through the buildout period. There are no sensitive receptors located in the immediate vicinity of the overall project site. As a point of reference, Table IX provides typical construction-related noise levels at distances of 50, 100 feet, 200 feet, and 300 feet.

Construction noise is not considered to be a significant impact if construction is limited to the allowed hours and construction equipment is adequately maintained and muffled. Extraordinary noise-producing activities (e.g., pile driving) are not anticipated. The City of Kerman limits hours of construction activities to occur between 7:00 a.m. and 10:00 p.m. A noise impact could occur if construction activities were to occur outside the allowable hours of 7:00 a.m. to 10:00 p.m.

TABLE IX

TYPICAL CONSTRUCTION EQUIPMENT MAXIMUM NOISE LEVELS, dBA

Type of Equipment	50 Ft.	100 Ft.	200 Ft.	300 Ft.
Concrete Saw	90	84	78	74
Crane	81	75	69	65
Excavator	81	75	69	65
Front End Loader	79	73	67	63
Jackhammer	89	83	77	73
Paver	77	71	65	61
Pneumatic Tools	85	79	73	69
Dozer	81	76	70	66
Rollers	80	74	68	64
Trucks	86	80	72	70
Pumps	80	74	68	64
Scrapers	87	81	75	71
Portable Generators	81	74	68	64
Backhoe	86	80	74	70
Grader	86	80	74	70

Source: FHWA
Noise Control for Buildings and Manufacturing Plants, Bolt, Beranek & Newman, 1987

The dominant sources of man-made vibration are sonic booms, blasting, pile driving, pavement breaking, demolition, diesel locomotives, and rail-car coupling. None of these activities are anticipated to occur with construction or operation of the proposed project. There are no sensitive receptors located in the immediate vicinity of the overall project area. As a point of reference, typical vibration levels at distances of 25, 100 feet and 300 feet are summarized by Table VIII. These levels would not be expected to exceed any significant threshold levels for annoyance or damage, as provided above in Table II and Table III.

TABLE VIII

TYPICAL VIBRATION LEVELS DURING CONSTRUCTION

	PPV (in/sec)		
Equipment	**@ 25´**	**@ 100´**	**@ 300´**
Bulldozer (Large)	0.089	0.019	0.006
Bulldozer (Small)	0.003	0.0006	0.0002
Loaded Truck	0.076	0.017	0.005
Jackhammer	0.035	0.008	0.002
Vibratory Roller	0.210	0.046	0.013
Caisson Drilling	0.089	0.019	0.006

Source: *Caltrans*

IMPACT SUMMARY

The proposed project would not result in any significant noise impacts to existing off-site sensitive receptors. The project is not expected to increase traffic noise exposure along nearby roadways in the project vicinity.

The proposed residential subdivision will comply with applicable City of Kerman exterior and interior noise level requirements provided the following mitigation measures and design features are incorporated into final project design.

Exterior Noise Compliance:

- **Potential Impact:** A noise impact would occur if the outdoor activity areas of proposed residential land uses are located within the 60 dB Ldn traffic noise contour. According to the project site plan, the closest proposed residential backyards to the centerline of N. Madera Avenue (SR 145) would be at a setback of approximately 80 feet. At this distance, traffic noise exposure would be approximately 65 dB L_{dn}. Such levels exceed the City of Kerman exterior noise level standard of 60 dB L_{dn}, and mitigation measures are therefore required for project noise compliance.

  Mitigation: A soundwall should be constructed to a minimum height of 6 feet above project site grade. The 6-foot sound wall would reduce traffic noise exposure by approximately 6 dB, with a resulting exterior noise exposure level of 59 dB L_{dn} at the closest proposed residential lots to N. Madera Avenue (SR 145).

  The sound wall should be turned inward (eastward), as indicated on Figure 1. Suitable construction materials include concrete blocks, masonry, or stucco on both sides of a wood or steel stud wall.

  It should be noted, the above-described sound wall would be effective at first-floor receiver locations only, and would not provide acoustical shielding to any proposed second-floor receivers. Therefore, noise exposure levels at any proposed individual second-floor balconies facing N. Madera Avenue (for the first row of homes adjacent to the roadway) would exceed the City of Kerman exterior noise level standard of 60 dB L_{dn}.

- **Potential Impact:** A noise impact could occur if construction activities occur outside of the allowable hours of construction and/or do not incorporate appropriate best management practices in regards to construction-related noise. Implement best management practices to minimize the potential for noise impacts on existing sensitive receptors in the project area, during project construction. The following provides the allowable hours of construction as well as generalized best management practices that should be applied during periods of project construction to ensure that noise impacts do not result from project construction:

- Per the City of Kerman Code of Ordinances, construction activities should not occur outside the hours of 7:00 a.m. to 10:00 p.m. Construction activities that occur outside these hours would be subject to the stationary noise standards provided above in Table I.

Interior Noise Compliance:

Based upon exterior noise exposure levels calculated (and measured) for the project site, it is not anticipated that any proposed residential land uses within the project site would exceed the City of Kerman interior noise level standard of 45 dB L_{dn}, assuming the following are incorporated into residential design:

1. Mechanical ventilation or air conditioning must be provided for all homes so that windows and doors can remain closed for sound insulation purposes.

The conclusions and recommendations of this acoustical analysis are based upon the best information known to WJV Acoustics Inc. (WJVA) at the time the analysis was prepared concerning the proposed lot layout plan, project site elevation, traffic volumes, roadway configurations, and railroad operations. Any significant changes in these factors will require a reevaluation of the findings of this report. Additionally, any significant future changes in motor vehicle technology, train technology, noise regulations, or other factors beyond WJVA's control may result in long-term noise results different from those described by this analysis.

Respectfully submitted,



Walter J. Van Groningen
President

WJV:wjv

FIGURE 1: SITE PLAN & 6-FOOT SOUND WALL LOCATION

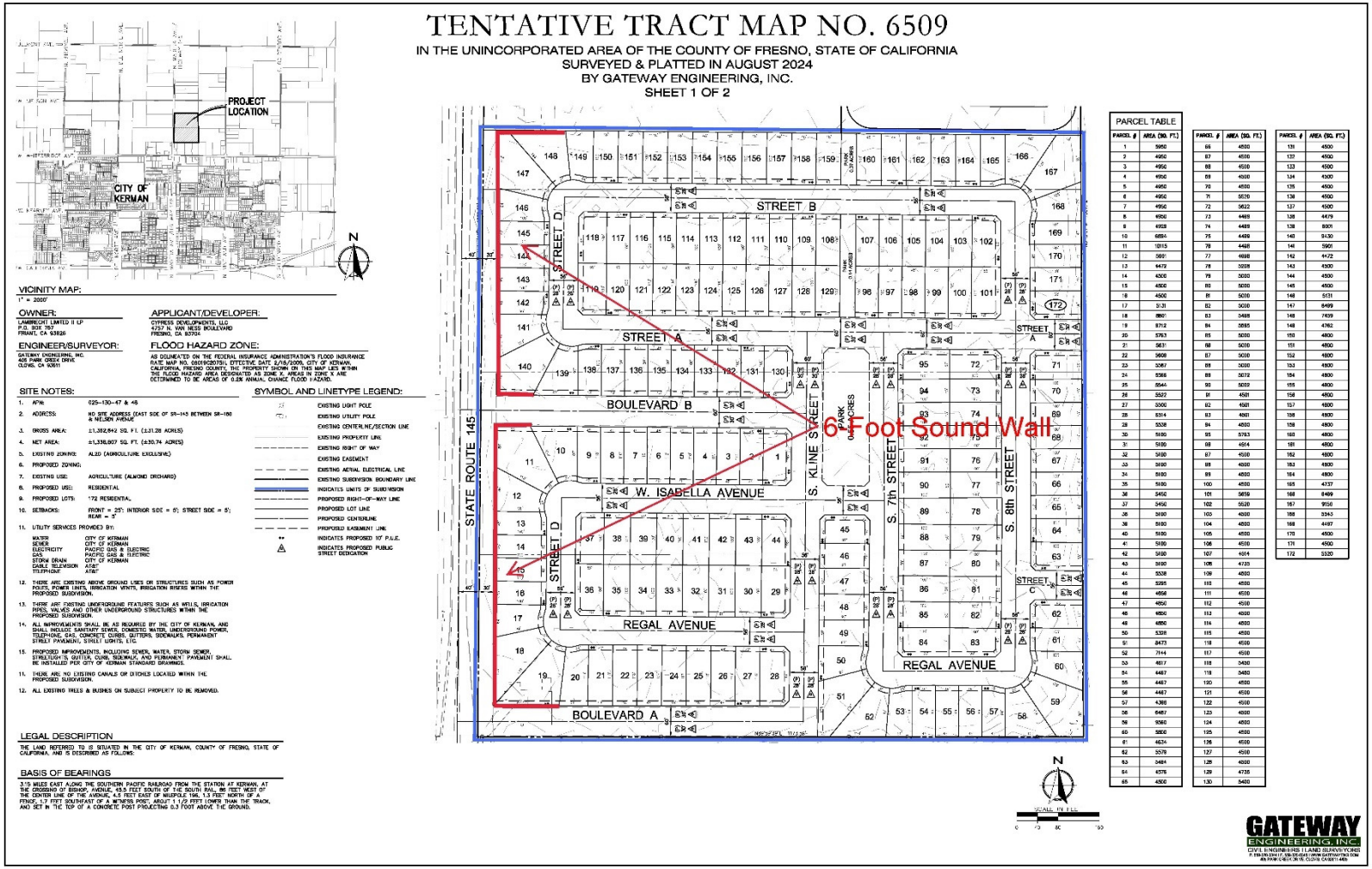


FIGURE 2: PROJECT SITE VICINITY AND AMBIENT NOISE MEASUREMENT LOCATIONS



FIGURE 3: HOURLY NOISE LEVELS AT AMBIENT NOISE MEASUREMENT SITE LT-1

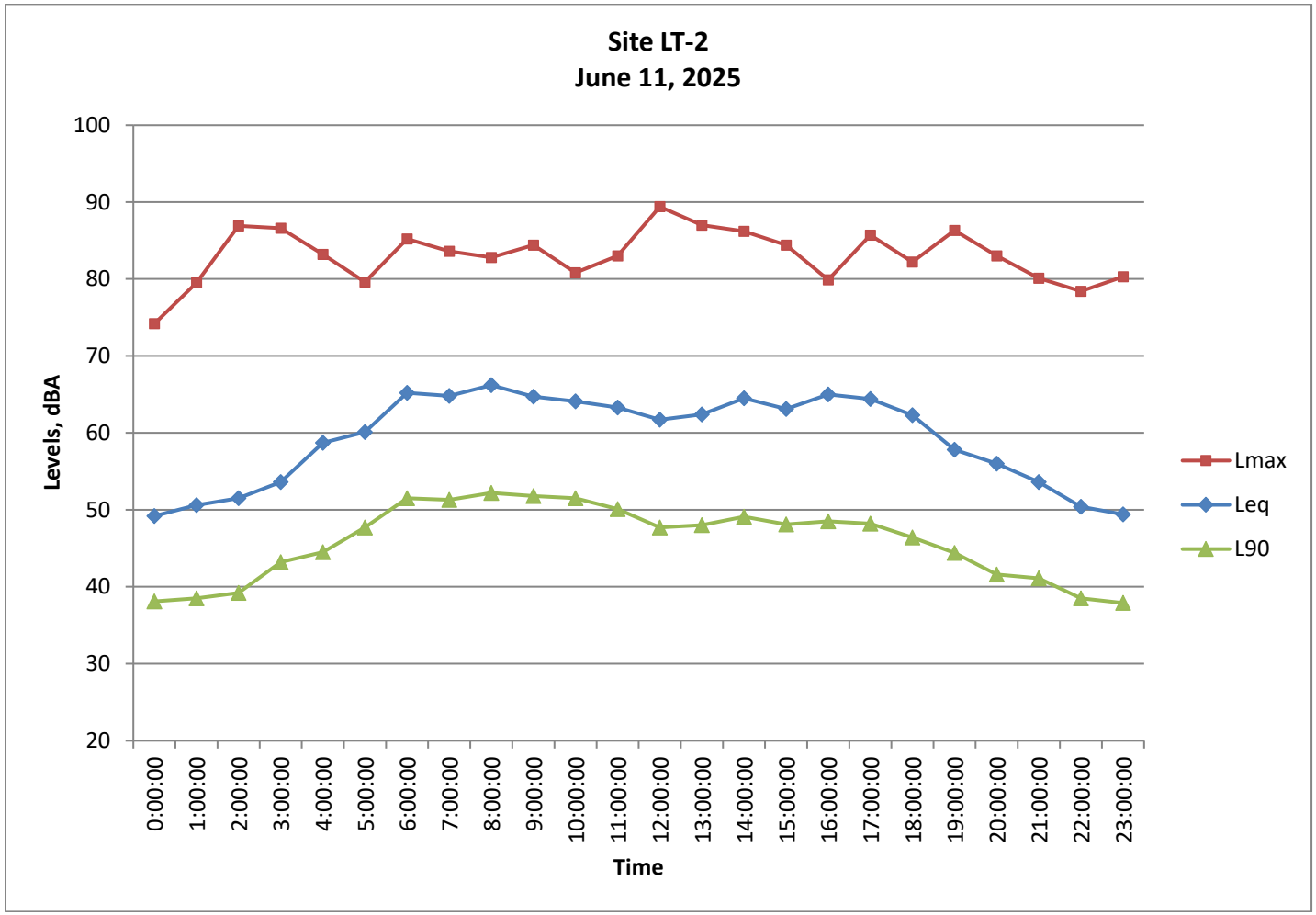


FIGURE 4: AMBIENT NOISE MEASUREMENT SITE LT-1



FIGURE 5: HOURLY NOISE LEVELS AT AMBIENT NOISE MEASUREMENT SITE LT-2

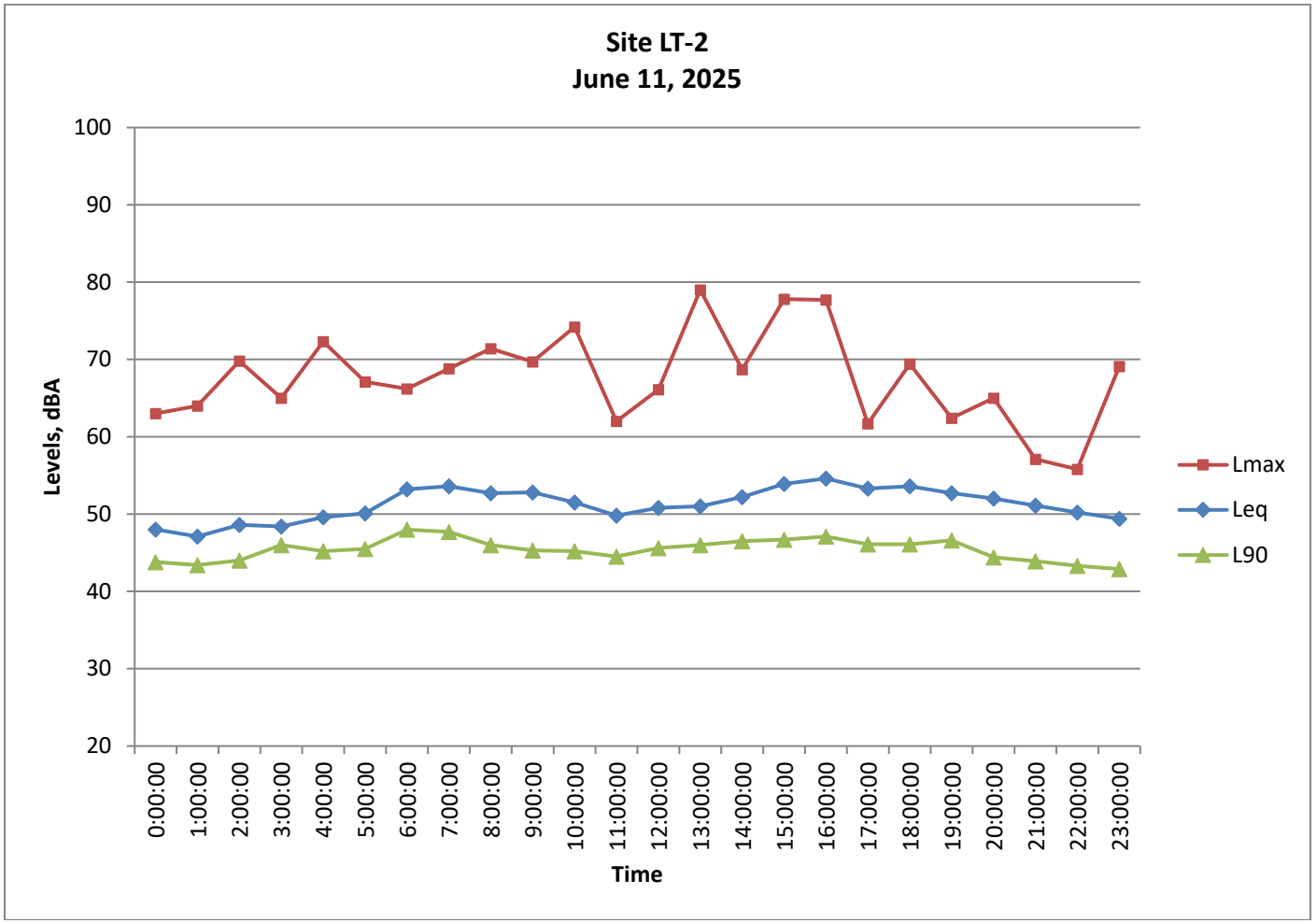


FIGURE 6: AMBIENT NOISE MEASUREMENT SITE LT-2



FIGURE 7: MODELED TRAFFIC NOISE EXPOSURE RECEPTORS

APPENDIX A

ACOUSTICAL TERMINOLOGY

AMBIENT NOISE LEVEL: The composite of noise from all sources near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.

CNEL: Community Noise Equivalent Level. The average equivalent sound level during a 24-hour day, obtained after addition of approximately five decibels to sound levels in the evening from 7:00 p.m. to 10:00 p.m. and ten decibels to sound levels in the night before 7:00 a.m. and after 10:00 p.m.

DECIBEL, dB: A unit for describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micropascals (20 micronewtons per square meter).

DNL/L_{dn}: Day/Night Average Sound Level. The average equivalent sound level during a 24-hour day, obtained after addition of ten decibels to sound levels in the night after 10:00 p.m. and before 7:00 a.m.

L_{eq}: Equivalent Sound Level. The sound level containing the same total energy as a time varying signal over a given sample period. L_{eq} is typically computed over 1, 8 and 24-hour sample periods.

NOTE: The CNEL and DNL represent daily levels of noise exposure averaged on an annual basis, while L_{eq} represents the average noise exposure for a shorter time period, typically one hour.

L_{max}: The maximum noise level recorded during a noise event.

L_n: The sound level exceeded "n" percent of the time during a sample interval (L_{90}, L_{50}, L_{10}, etc.). For example, L_{10} equals the level exceeded 10 percent of the time.

A-2

ACOUSTICAL TERMINOLOGY

NOISE EXPOSURE CONTOURS: Lines drawn about a noise source indicating constant levels of noise exposure. CNEL and DNL contours are frequently utilized to describe community exposure to noise.

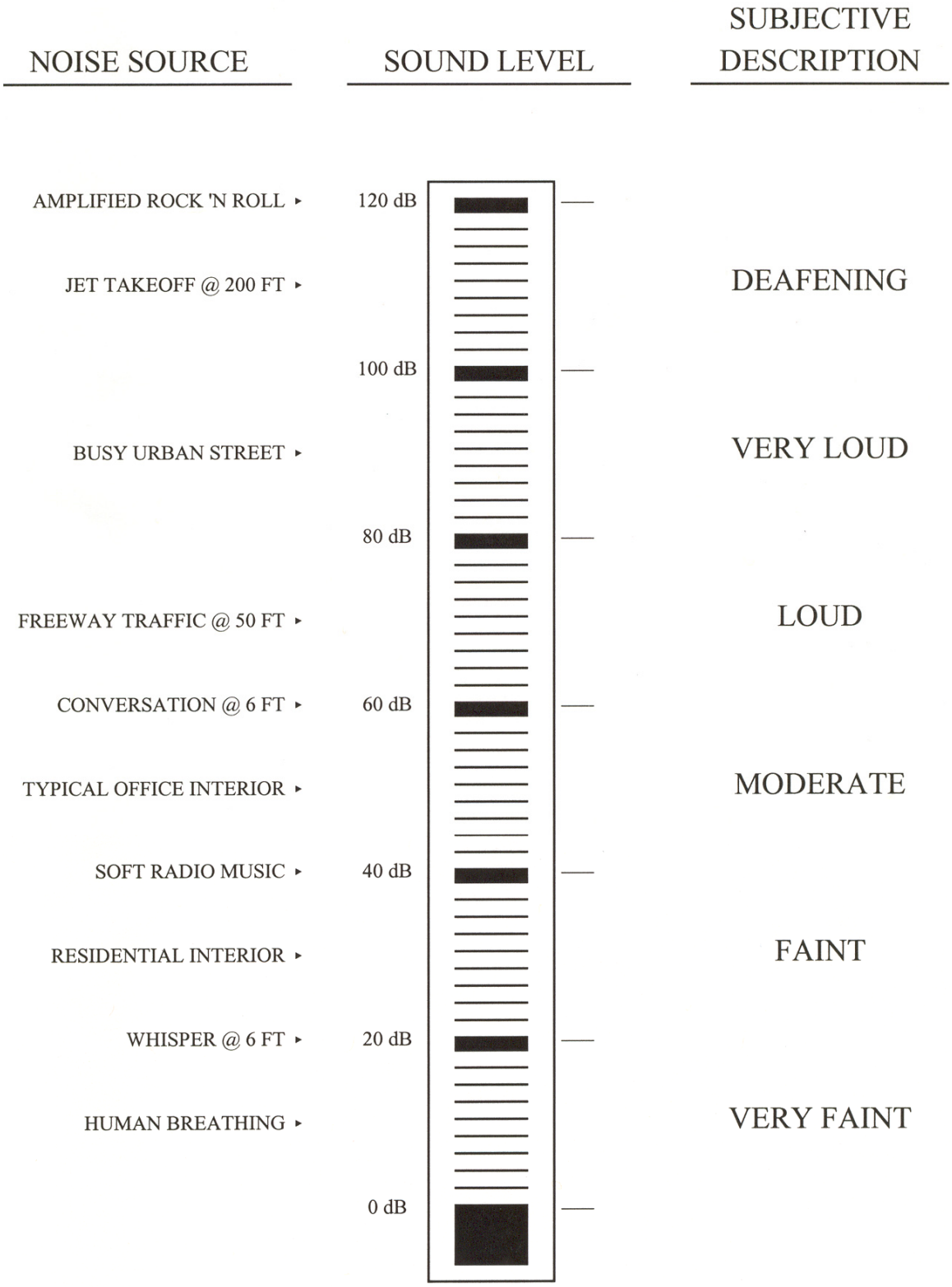
NOISE LEVEL REDUCTION (NLR): The noise reduction between indoor and outdoor environments or between two rooms that is the numerical difference, in decibels, of the average sound pressure levels in those areas or rooms. A measurement of "noise level reduction" combines the effect of the transmission loss performance of the structure plus the effect of acoustic absorption present in the receiving room.

SEL or SENEL: Sound Exposure Level or Single Event Noise Exposure Level. The level of noise accumulated during a single noise event, such as an aircraft overflight, with reference to a duration of one second. More specifically, it is the time-integrated A-weighted squared sound pressure for a stated time interval or event, based on a reference pressure of 20 micropascals and a reference duration of one second.

SOUND LEVEL: The sound pressure level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the response of the human ear and gives good correlation with subjective reactions to noise.

SOUND TRANSMISSION CLASS (STC): The single-number rating of sound transmission loss for a construction element (window, door, etc.) over a frequency range where speech intelligibility largely occurs.

APPENDIX B
EXAMPLES OF SOUND LEVELS



APPENDIX C

TRAFFIC NOISE MODELING CALCULATIONS

WJV Acoustics, Inc
FHWA-RD-77-108
Calculation Sheets
September 19, 2025

Project #:	25-28
Description:	Existing
Ldn/Cnel:	Ldn
Site Type:	Soft

Contour Levels (dB)	60	65	70	75					

Segment	Roadway Name	Segment Description	ADT	%Day	%Evening	%Night	%Med	%Heavy	Speed	Distance	Offset
1	Nielsen Ave	R-1	50	90		10	2	1	35	135	
2	N. Madera Ave	R-2	7930	90		10	5	4	35	150	
3	N. Madera Ave	R-3	7980	90		10	5	4	35	165	
4	W. Whitesbridge Ave	R-4	9820	90		10	6	3	50	80	
5	S. Del Norte Ave	R-5	4400	90		10	2	1	35	80	
6	S. 1st St	R-6	2830	90		10	2	1	35	75	
7	N. Vineland Ave	R-7	850	90		10	2	1	35	175	
8	S. Vineland Ave	R-8	3090	90		10	2	1	35	70	
9	W. Stanislaus Ave	R-9	1590	90		10	2	1	35	110	
10	W. Stanislaus Ave	R-10	2450	90		10	2	1	35	110	
11	W. Kearny Blvd	R-11	4380	90		10	2	1	35	110	
12	S. 1st St	R-12	1600	90		10	2	1	35	110	
13	W. Kearny Blvd	R-13	3950	90		10	2	1	35	110	
14	S. 1st St	R-14	1590	90		10	2	1	35	110	

WJV Acoustics, Inc
FHWA-RD-77-108
Calculation Sheets
September 19, 2025

Project #:	25-28
Description:	Existing + project
Ldn/Cnel:	Ldn
Site Type:	Soft

Contour Levels (dB)	60	65	70	75					

Segment	Roadway Name	Segment Description	ADT	%Day	%Evening	%Night	%Med	%Heavy	Speed	Distance	Offset
1	Nielsen Ave	R-1	50	90		10	2	1	35	135	
2	N. Madera Ave	R-2	8110	90		10	5	4	35	150	
3	N. Madera Ave	R-3	8160	90		10	5	4	35	165	
4	W. Whitesbridge Ave	R-4	10000	90		10	6	3	50	80	
5	S. Del Norte Ave	R-5	4400	90		10	2	1	35	80	
6	S. 1st St	R-6	2920	90		10	2	1	35	75	
7	N. Vineland Ave	R-7	850	90		10	2	1	35	175	
8	S. Vineland Ave	R-8	3090	90		10	2	1	35	70	
9	W. Stanislaus Ave	R-9	1680	90		10	2	1	35	110	
10	W. Stanislaus Ave	R-10	2540	90		10	2	1	35	110	
11	W. Kearny Blvd	R-11	4380	90		10	2	1	35	110	
12	S. 1st St	R-12	1690	90		10	2	1	35	110	
13	W. Kearny Blvd	R-13	3950	90		10	2	1	35	110	
14	S. 1st St	R-14	1680	90		10	2	1	35	110	

WJV Acoustics, Inc
FHWA-RD-77-108
Calculation Sheets
September 19, 2025

Project #:	25-28
Description:	2046
Ldn/Cnel:	Ldn
Site Type:	Soft

Contour Levels (dB)	60	65	70	75					

Segment	Roadway Name	Segment Description	ADT	%Day	%Evening	%Night	%Med	%Heavy	Speed	Distance	Offset
1	Nielsen Ave	R-1	150	90		10	2	1	35	135	
2	N. Madera Ave	R-2	11180	90		10	5	4	35	150	
3	N. Madera Ave	R-3	11170	90		10	5	4	35	165	
4	W. Whitesbridge Ave	R-4	19400	90		10	6	3	50	80	
5	S. Del Norte Ave	R-5	8350	90		10	2	1	35	80	
6	S. 1st St	R-6	4430	90		10	2	1	35	75	
7	N. Vineland Ave	R-7	1160	90		10	2	1	35	175	
8	S. Vineland Ave	R-8	5640	90		10	2	1	35	70	
9	W. Stanislaus Ave	R-9	2180	90		10	2	1	35	110	
10	W. Stanislaus Ave	R-10	3690	90		10	2	1	35	110	
11	W. Kearny Blvd	R-11	7620	90		10	2	1	35	110	
12	S. 1st St	R-12	2680	90		10	2	1	35	110	
13	W. Kearny Blvd	R-13	6940	90		10	2	1	35	110	
14	S. 1st St	R-14	2640	90		10	2	1	35	110	

WJV Acoustics, Inc
FHWA-RD-77-108
Calculation Sheets
September 19, 2025

Project #:	25-28
Description:	2046 + project
Ldn/Cnel:	Ldn
Site Type:	Soft

Contour Levels (dB)	60	65	70	75					

Segment	Roadway Name	Segment Description	ADT	%Day	%Evening	%Night	%Med	%Heavy	Speed	Distance	Offset
1	Nielsen Ave	R-1	150	90		10	2	1	35	135	
2	N. Madera Ave	R-2	11320	90		10	5	4	35	150	
3	N. Madera Ave	R-3	11310	90		10	5	4	35	165	
4	W. Whitesbridge Ave	R-4	19580	90		10	6	3	50	80	
5	S. Del Norte Ave	R-5	8350	90		10	2	1	35	80	
6	S. 1st St	R-6	4520	90		10	2	1	35	75	
7	N. Vineland Ave	R-7	1160	90		10	2	1	35	175	
8	S. Vineland Ave	R-8	5640	90		10	2	1	35	70	
9	W. Stanislaus Ave	R-9	2270	90		10	2	1	35	110	
10	W. Stanislaus Ave	R-10	3780	90		10	2	1	35	110	
11	W. Kearny Blvd	R-11	7620	90		10	2	1	35	110	
12	S. 1st St	R-12	2760	90		10	2	1	35	110	
13	W. Kearny Blvd	R-13	6940	90		10	2	1	35	110	
14	S. 1st St	R-14	2720	90		10	2	1	35	110	
15	N. Madera Ave	project frontage	15170	90		10	5	4	35	80	

7.6 Appendix F: Phase I Environmental Site Assessment



Phase I

Environmental Site Assessment

Subject Property:

134, 342 & 402 N Madera Avenue, Kerman, California 93630

Engaged By:

Client Name:	**Michael Chaney**
Client Company:	**Cypress Developments, LLC**
Client Address:	**4757 N Van Ness Boulevard, Fresno, California 93704**
Order Number:	**24K13-79794-762**
Date of Engagement:	**November 22, 2024**
Report Date:	**December 16, 2024**

Date: December 16, 2024

Michael Chaney
Cypress Developments, LLC
4757 N Van Ness Boulevard
Fresno, California 93704

Dear Mr. Chaney,

CREtelligent was contracted by you on behalf of Cypress Developments, LLC (herein referred to as the "Client") to conduct a Phase I Environmental Site Assessment (herein referred to as "ESA") on the Residences and Orchard located at 134, 342 & 402 N Madera Avenue, Kerman, California 93630 (herein referred to as the "Subject Property"). CREtelligent received written authorization from the Client on November 22, 2024 to perform the ESA Report. This ESA Report was performed in general accordance with the scope and limitations of ASTM E1527-21 and the Engagement Agreement for Services Proposal 24K13-79794-762 executed by the Client. Exceptions to or deletions from this protocol are discussed in this report.

We appreciate your business. If you have any questions regarding the attached report, or if we can be of any further service to you, please do not hesitate to contact us at (866) 901-7201.

Sincerely,

Jimmy Kirven
Client Success Manager
Direct Line: (234) 349-2564
j.kirven@CREtelligent.com

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Project Summary Table

CREtelligent has performed a Phase I Environmental Site Assessment (ESA) for the property at 134, 342 & 402 N Madera Avenue, Kerman, California 93630 (Subject Property) dated December 16, 2024. This ESA was conducted at the request of Cypress Developments, LLC using procedures and practices conforming with the ASTM E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

REPORT SECTION	NFA	REC	CREC	HREC	BER	DE-MINIMIS	SECTION
Historical Records Review		✔					3.0
Subject Property Regulatory Database Review	✔						4.1
Off-Site Regulatory Database Review	✔						4.2
Interviews & User Provided Information	✔						5.0
Site Reconnaissance					✔		6.0
ASTM Non-Scope Considerations					✔		7.0

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1.0 EXECUTIVE SUMMARY

CREtelligent has performed a Phase I Environmental Site Assessment (ESA) for Cypress Developments, LLC on the Residences and Orchard, located at 134, 342 & 402 N Madera Avenue, Kerman, California (Subject Property) dated December 16, 2024. CREtelligent performed the Phase I ESA in accordance with the ASTM International (ASTM) E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report. This assessment evaluated potential environmental liabilities resulting from past and current land uses. The following summary is meant to provide an overview of the report findings. The Client should not draw any conclusions or take any actions without reading this ESA report in its entirety.

The Subject Property is currently used as an orchard with three single-family homes on the west side of the property. The property is being proposed for a subdivision development and annexation into the city of Kerman.

Historical uses of the Subject Property include agricultural and single-family residential use.

A Subject Property Map and Photographs of the Subject Property are included in the Appendices of this report.

Pertinent information on the Subject Property and a summary of the conclusions and findings are noted below:

SUBJECT PROPERTY INFORMATION	
Subject Property Use	Residential and Orchard
Year Constructed	Prior to 1946, based on the available historical resources
Number of Parcels	Three
Assessor Parcel Number	025-130-47, 025-130-48, and 025-130-60S
Subject Property Acreage	53.68
Number of Units	Three
Number of Buildings	Three
Number of Stories	One
Total Building Square Footage	Not provided
Additional Improvements	Gravel driveways

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SUBJECT PROPERTY INFORMATION	
Current Commercial Tenants	Single-family residents

LIST OF CRITICAL VIABILITY DATES	
Date of Interview(s)	November 27, 2024
Date of Records Review	November 25, 2024
Date of Site Assessment	November 27, 2024
Date of EP Declaration	December 16, 2024

1.1 Conclusions and Findings

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of 134, 342 & 402 N Madera Avenue, Kerman, California, the Subject Property. Any exceptions to, or deletions from, this practice are described in Section 8.7 of this report. This assessment has revealed the following recognized environmental conditions (RECs), controlled RECs (CRECs), historical RECs (HRECs), business environmental risks (BERs), or significant data gaps in connection with the Subject Property:

RECOGNIZED ENVIRONMENTAL CONDITION (REC):
• The Subject Property was utilized for agricultural land since at least 1946. A wide variety of pesticides, including those containing persistent compounds such as lead, arsenic and DDT, along with related organochlorine and organophosphate pesticides, may have been used during this period. No information was obtained indicating evidence of improper storage, disposal or application of these materials and a review of available aerial photographs did not show improvements such as hangars, runways or large barns that would indicate significant storage, formulation and handling of these materials. However, given the limited regulation of the storage and usage of these materials during a significant part of this period and the planned redevelopment for residential uses, the potential for accumulation of elevated levels of these persistent compounds is present and is considered to represent a REC.
HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITION (HREC):
• None

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CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITION (CREC):
• None
DE MINIMIS CONDITION:
• None
BUSINESS ENVIRONMENTAL RISK (BER):
• The existence of potable water wells on the Subject Property is identified as a BER, given the potential for pesticide-related contamination. • Based on the date of construction, it is possible that ACM and LBP is present. Suspect ACM observed during the site reconnaissance include drywall systems, textured coatings, roofing materials, wallboard and joint compound, and vinyl siding. The possible presence of ACM and LBP is considered a BER. NESHAP regulations require sampling of potential ACM prior to any renovation or demolition activities likely to disturb the material, regardless of the date of construction. If such activities are planned, an asbestos survey of the entire facility, or the portion slated for the renovation or demolition activities, is warranted prior to initiating these activities. No survey was conducted as part of this assessment. The survey should be conducted by a licensed firm and should include an assessment of all suspect ACM including those which are not normally accessible. Any material found to be ACM should be handled in accordance with applicable regulations.
SIGNIFICANT DATA GAP:
• None

1.2 Recommendations

Given that the Subject Property has experienced several decades of agricultural use and the proposed residential development, CREtelligent recommends a Limited Subsurface Investigation (LSI) to determine if the agricultural use has impacted the Subject Property.

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1.3 Project Personnel

Per ASTM standard, this report has been prepared with oversight and final review by an Environmental Professional (EP) as defined in §312.10 of 40 Code of Federal Regulations (CFR) Part 312.

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



Jeremy Okrasinski
Managing Director

The resume of the EP is provided in Appendix.

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2.0 SUBJECT PROPERTY INFORMATION

The Subject Property information is based on publicly-available information, information obtained during the site reconnaissance, information provided by the Client, on-line property assessor information, Google Earth, Google Street View, and/or other readily available resources.

2.1 Subject Property General Characteristics

Subject Property Use:	Residential and Orchard
Subject Property Address	134, 342 & 402 N Madera Avenue, Kerman, California 93630
Number of Parcels	Three
Assessor Parcel Number (APN)	025-130-47, 025-130-48, and 025-130-60S
Subject Property Acreage	53.68
Number of Buildings	Three
Number of Stories Above Grade	Single-story
Basement or Subgrade Areas	No
Total Building Square Footage	Not provided
Year of Construction	Prior to 1946, based on the available historical resources
Additional On-site Development	Gravel driveways
Current Owner(s) of Subject Property	Lambrecht Limited II LP
Current Tenants	Single-family residents

2.2 Subject Property Services and Utilities

Potable Water Supply	Potable water wells located to the east of each residence
Sewage Disposal System	On-site septic system

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Storm Water	Storm water is removed from the subject property primarily via ground infiltration
Electricity	Pacific Gas and Electric (PGE)
Natural Gas	PGE

2.3 Adjacent Property Information

During the site reconnaissance, CREtelligent observed the following land use on properties in the immediate vicinity of the Subject Property.

ADDRESS	CURRENT USE	CURRENT OCCUPANT(S)
NORTH		
No Address (APN 025-130-52T)	Retention Pond	N/A
EAST		
287 N Vineland Avenue	Residential and Orchard	Single-family residents
No Address (APN 025-130-75S)	Orchard	N/A
No Address (APN 025-130-59S)	Orchard	N/A
SOUTH		
14750 W Whitesbridge Avenue	Self-storage	StorMax of Kerman
14754 W Whitesbridge Avenue	Commercial	Kerman Mobile Homes, Inc.
14868 W Whitesbridge Avenue	Commercial	Grocery Outlet
170-198 N Madera Avenue	Multi-tenant commercial with no sites of environmental concerns.	The Spot Smoke Shop Little Caesar's Pizza Ceviches & Beer
WEST		
194 S 1st Street	Commercial	Kerman High School

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ADDRESS	CURRENT USE	CURRENT OCCUPANT(S)
No Address (APN 020-120-06)	Residential and Orchard	Single-family residents

2.4 Physical Settings

Following is a discussion of the physical properties of the Subject Property and general vicinity. This includes information on elevation, slope, soil type, geology, nearest surface water body, and estimated depth and flow direction of groundwater where known.

TOPOGRAPHY	
Elevation	223-233 feet above mean sea level (MSL)
Topographic Quadrangle	Kerman, CA (2021 USGS Topographic Map)
General Slope	The Subject Property is relatively flat with a slight gradient to the south-southwest.
HYDROLOGY	
Nearest Surface Water Body	There are no surface water bodies on or bordering the Subject Property.
Estimated Depth to Groundwater (BGS)	Greater than 60 feet bgs based on groundwater data for nearby regulatory sites
Estimated Groundwater Flow Direction	South-southwesterly, based on topographic maps.
GEOLOGIC INFORMATION	
Geology	The Subject Property is underlain by Pleistocene to Holocene-age Quaternary alluvium and marine deposits, which primarily consists of unconsolidated and semi-consolidated alluvium, lake, playa, and terrace deposits. Mostly nonmarine, but includes marine deposits near the coast. Source: USGS Geologic Map California.
SOIL	
Soil Name	The shallow soils at the majority of the Subject Property consist of Hanford sandy loam, silty substratum, while the shallow soils at the southeast, northeast, and northwest corners consist of Hanford coarse sandy loam.

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	The Hanford component is on alluvial fans on valleys. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches and the natural drainage class is well drained. Slopes are 0 to 2 percent. The Hanford component is on alluvial fans on valleys. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches and the natural drainage class is well drained. Slopes are 0 to 2 percent. Source: USDA Web Soil Survey, Natural Resources Conservation Service Soil Survey, and Geographic Database (SSURGO) included in the Environmental Risk Information Services (ERIS) Physical Setting Report (PSR).
WELLS, PIPELINES, AND MINERALS EXPLORATION	
Oil and Gas Wells	No oil or gas wells or associated production equipment were observed at the Subject Property. No wells were depicted on the USGS Topographic Map. According to the Geologic Energy Management Division's (CalGEM) online mapping application Well Finder, there are no oil or gas wells on the Subject Property.
Pipelines	No petroleum pipelines were observed on or adjacent to the Subject Property. No pipelines were depicted on the USGS Topographic Map. According to the National Pipeline Mapping System (NPMS) Public Viewer, there are no pipelines on the Subject Property. However, a natural gas transmission pipeline is located beneath N Madera Avenue to the west of the Subject Property. No reported releases were identified in the regulatory database report in regards to this portion of the pipeline. This information is not considered to represent a significant environmental concern to the Subject Property.
Mining	No mining activities were observed on or in the vicinity of the Subject Property. No mining activities were depicted on the USGS Topographic Map.

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3.0 HISTORICAL RECORDS REVIEW

To establish the history of the Subject Property and adjacent properties, CREtelligent ordered, reviewed, and interpreted multiple historical resources. These historical resources were provided by CREtelligent's proprietary database and/or third-party sources. These historical resources include but are not limited to the following: aerial photography; Sanborn Fire Insurance Maps; topographic maps; and city directories (where available). CREtelligent reviewed the following historical documents:

3.1 Historical Aerial Photographs

Aerial photographs, which are of a sufficient resolution to allow identification of development and activities of areas encompassing the Subject Property, can be used in documenting the historical usage of a property. CREtelligent reviewed the following aerial photographs as provided by ERIS, which are included in the Appendices.

YEAR RANGE	DESCRIPTION	RISK
1946-1962	The Subject Property appears to consist of the current developmental footprint with three single-family homes on the west side of the property. The remaining portions of the property appear to consist of agricultural land. The adjoining properties appear to consist of agricultural land with single-family homes on the east-, south-, and west-adjoining properties.	✔
1971-1981	No significant changes are identified on the Subject Property. The north-adjoining property appears to consist of a retention pond and the south-adjoining property appears to consist of light industrial buildings with truck or trailer storage throughout the property. No significant changes are identified on the other adjoining properties.	✔
1993	No significant changes are identified on the Subject Property. The south-adjoining property appears to consist of several commercial/light industrial buildings. No significant changes are identified on the other adjoining properties.	✔
1998-2020	The Subject Property appears to remain the same developmentally; however, the agricultural land appears to be utilized as an orchard. The agricultural land on the southern portion of the east-adjoining property appears to be utilized as an orchard. No significant changes are identified on the other adjoining properties.	✔
2023	No significant changes are identified on the Subject Property.	✔

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YEAR RANGE	DESCRIPTION	RISK
	The south-adjoining property appears to be further developed with an additional commercial building and the southern west-adjoining property appears to be under construction. No significant changes are identified on the other adjoining properties.	

3.2 Sanborn Fire Insurance Maps

Sanborn maps are detailed maps of U.S. cities and towns in the 19th and 20th centuries. Originally published by The Sanborn Map Company (Sanborn), the maps were created to allow fire insurance companies to assess their total liability in urbanized areas of the United States. Since they contain detailed information about properties and individual buildings in approximately 12,000 U.S. cities and towns, Sanborn maps are valuable for documenting changes of American cities over many decades. These maps were widely available for areas that were significantly developed during the late 1800s through the 1950s, though coverage exists for some areas through the 1990s.

CREtelligent attempted to obtain Sanborn Fire Insurance Maps from ERIS covering the Subject Property and surrounding area. No historical Sanborn maps were identified. The "no coverage" notification is included in the Appendices.

3.3 Historical City Directories

Local city directories identify the name of the individual or company located at a given address. CREtelligent ordered a local street directory search from ERIS, which is included in the Appendices. The following local city directories were reviewed:

YEAR RANGE	SUBJECT PROPERTY - OCCUPANTS LISTED	ADJACENT - OCUPANTS LISTED	RISK
1960-1965	No listings were identified for the Subject Property in this year range.	No listings were identified for the adjoining properties in this year range.	
1972	134 N Madera Avenue: Residential 342 N Madera Avenue: Not listed 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Not listed South: 14750 W Whitesbridge Avenue: Mobile home sales and service; 14754 W Whitesbridge Avenue: Not listed; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Not listed	

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YEAR RANGE	SUBJECT PROPERTY - OCCUPANTS LISTED	ADJACENT - OCUPANTS LISTED	RISK
		West: 194 S 1st Street: Not listed	
1975	134 N Madera Avenue: Residential 342 N Madera Avenue: Jerold Sweet Equipment 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Residential South: 14750 W Whitesbridge Avenue: Mobile home sales and service; 14754 W Whitesbridge Avenue: Not listed; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Not listed West: 194 S 1st Street: Not listed	
1980	134 N Madera Avenue: Not listed 342 N Madera Avenue: Not listed 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Not listed South: 14750 W Whitesbridge Avenue: Mobile home sales and service; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Not listed West: 194 S 1st Street: Not listed	
1985	134 N Madera Avenue: Not listed 342 N Madera Avenue: Residential 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Residential South: 14750 W Whitesbridge Avenue: Mobile home sales and service; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Not listed West: 194 S 1st Street: Not listed	
1990	134 N Madera Avenue: Not listed 342 N Madera Avenue: Not listed 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Residential South: 14750 W Whitesbridge Avenue: Mobile home sales and service; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Not listed West: 194 S 1st Street: Not listed	

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YEAR RANGE	SUBJECT PROPERTY - OCCUPANTS LISTED	ADJACENT - OCUPANTS LISTED	RISK
1995-2000	134 N Madera Avenue: Not listed 342 N Madera Avenue: Not listed 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Residential South: 14750 W Whitesbridge Avenue: Construction equipment retailer; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Not listed West: 194 S 1st Street: Not listed	
2000	134 N Madera Avenue: Not listed 342 N Madera Avenue: Not listed 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Residential South: 14750 W Whitesbridge Avenue: Construction equipment retailer; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Not listed West: 194 S 1st Street: Not listed	
2003	134 N Madera Avenue: Not listed 342 N Madera Avenue: Residential 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Residential South: 14750 W Whitesbridge Avenue: Construction equipment retailer; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Not listed West: 194 S 1st Street: Not listed	
2008	134 N Madera Avenue: Not listed 342 N Madera Avenue: Not listed 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Residential South: 14750 W Whitesbridge Avenue: Ceramic products supplier; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Retail West: 194 S 1st Street: Not listed	
2012	134 N Madera Avenue: Not listed 342 N Madera Avenue: Not listed	North: Not applicable (no address) East: 287 N Vineland Avenue: Not listed	

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YEAR RANGE	SUBJECT PROPERTY - OCCUPANTS LISTED	ADJACENT - OCUPANTS LISTED	RISK
	402 N Madera Avenue: Residential	South: 14750 W Whitesbridge Avenue: Not listed; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Retail West: 194 S 1st Street: Not listed	
2016-2020	134 N Madera Avenue: Not listed 342 N Madera Avenue: Not listed 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Residential South: 14750 W Whitesbridge Avenue: Self-storage; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Not listed; 170-198 N Madera Avenue: Retail West: 194 S 1st Street: Not listed	
2023	134 N Madera Avenue: Not listed 342 N Madera Avenue: Not listed 402 N Madera Avenue: Residential	North: Not applicable (no address) East: 287 N Vineland Avenue: Residential South: 14750 W Whitesbridge Avenue: Self-storage; 14754 W Whitesbridge Avenue: Mobile home sales and service; 14868 W Whitesbridge Avenue: Grocery store; 170-198 N Madera Avenue: Retail West: 194 S 1st Street: Not listed	

3.4 Historical Topographic Maps

Historical topographic maps can indicate whether an area is undeveloped, lightly developed or heavily developed. They can also indicate if roads, railroad tracks, quarrying operations or water bodies were previously or near a property. CREtelligent reviewed the following topographic maps, relevant portions of which are included in Appendices.

YEAR RANGE	DESCRIPTION	RISK
1947	The Subject Property is depicted with three structures on the west side of the property. The north-adjoining property is not depicted with any structures, while the east-, south-, and west-adjoining properties are identified with structures.	

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YEAR RANGE	DESCRIPTION	RISK
1963	The northern portion of the Subject Property is depicted with agricultural land. The north- and west-adjoining properties are depicted with agricultural land. No significant changes are identified on the other adjoining properties.	
1981	No significant changes are identified on the Subject Property. The south-adjoining property is depicted with an additional commercial or light industrial structure. No significant changes are identified on the other adjoining properties.	
2015-2021	No structural developments are depicted in the topographic maps during this year range.	

3.5 Historical Use Summary

A summary of the historical review for the Subject Property is provided below:

The Subject Property was developed with the currently existing single-family homes at the time of the earliest available historical resource (1946 aerial photograph). The Subject Property appears to have consisted of agricultural land since at least the mid-1940s with an orchard appearing to exist at the property beginning by at least 1998.

The Subject Property was utilized for agricultural land since at least 1946 and as an orchard from at least 1988 to present. A wide variety of pesticides, including those containing persistent compounds such as lead, arsenic and DDT, along with related organochlorine and organophosphate pesticides, may have been used during this period. No information was obtained indicating evidence of improper storage, disposal or application of these materials and a review of available aerial photographs did not show improvements such as hangars, runways or large barns that would indicate significant storage, formulation and handling of these materials. Given the limited regulation of the storage and usage of these materials during a significant part of this period and the planned redevelopment for residential uses, the potential for accumulation of elevated levels of these persistent compounds is present and is considered to represent a REC.

A summary of the historical review for the adjacent properties is provided below:

The adjoining properties were initially developed for residential and agricultural use sometime prior to 1946. Sometime between 1962 and 1971, the south-adjoining property was redeveloped for commercial and light industrial use.

No prior usage of the adjacent properties was identified that would be considered a REC for the Subject Property.

Please see the Appendices to review these resources in their entirety.

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4.0 ENVIRONMENTAL RECORDS REVIEW

CREtelligent reviewed regulatory database records provided by ERIS (Appendix - Regulatory Database Record Report). Results specific to the Subject Property are presented in Section 4.1 while the results specific to off-site properties are presented in Section 4.2.

For the purposes of this assessment, the potential for vapor migration that may represent a REC to the Subject Property was evaluated by the environmental professional using a limited screening method based on the type of contaminant, location of contaminant (or release) with relation to the Subject Property, documented extent of chemicals in subsurface, and groundwater flow direction. In addition, screening tools created by regulatory agencies (EPA and various state agencies) may be used to evaluate the significance of a release with respect to the vapor migration and/or vapor intrusion potential concerns. This screening approach is not to be confused with a human health risk assessment, but rather a conservative approach at assessing if a possible risk exists.

4.1 Subject Property Regulatory Database Review

The results of the regulatory database search were reviewed by the environmental professional specific to the Subject Property as well as "unplottable" sites which may contain findings specific to the Subject Property. If warranted, additional review of available regulatory files, on-line information, and/or client provided information is additionally presented to provide an environmental professional opinion on the potential environmental risk associated with the identified regulatory finding.

- The Subject Property was not identified on any regulatory databases, included in the environmental record sources reviewed.

4.2 Off-Site Regulatory Database Review

CREtelligent has reviewed the findings of the ASTM regulatory database search. This information was screened for potential environmental relevance. Sites/listings of greatest significant are discussed in the table below.

Properties identified in the regulatory database search but not discussed in further detail were not identified as an increased environmental risk to the Subject Property for one or more of the following reasons:

a) Site(s) only hold an operating permit with no documented violations and/or releases;

b) Site(s) have been granted “No Further Action” by applicable regulatory agency and/or Corrective Action is on-going under the guidance of applicable regulatory agency and/or Subject Property was not identified as a responsible party, contributor, or off-site impact;

c) Site(s) had no documentation indicating they impacted the Subject Property's soil, groundwater, and/or vapor media;

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d) Site(s) distance and/or topographic position relative to the Subject Property reduces the level of potential risk associated with the site(s), and/or

e) RCRA TSD facilities reviewed and identified to NOT be hazardous waste generators.

The following records of greatest significance were identified on adjacent and/or surrounding properties:

DATABASE	SITE NAME	ADDRESS	DIST. (FT) / DIR.	ELEV. DIFF. (FT)	RISK
HHSS, UST SWEEPS	ELANORA VALLANDINGHAM	447 N MADERA AVENUE, KERMAN, CA 93630	>75/WNW (Adjacent)	1	
The regulatory database report identifies the northern west-adjacent property with a Historical Hazardous Substance Storage (HHSS) tank registration associated with one 400-gallon gasoline underground storage tank (UST). The Statewide Environmental Evaluation and Planning System (SWEEPS) identifies the tank as being active; however, the HHSS database indicates that the tank was last used in 1980. No reported releases or active tanks were identified at the property. Therefore, this site is not considered to represent a REC to the Subject Property.					

4.3 Polyfluoroalkyl Substances (PFAS)

According to the EPA, PFAS are a group of manufactured chemicals that have been used in industry and consumer products since the 1940s. PFAS break down very slowly and can build up in people, animals, and the environment over time. Research indicates that PFAS can be harmful to human health. Data regarding PFAS releases and impacts to the environment continues to be documented but is not consistently available. Based on the findings of CREtelligent's research:

- CREtelligent did not identify any current or former operations at the Subject Property which would involve the production or handling of PFAS. PFAS were not identified as a significant risk.

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5.0 INTERVIEWS & USER PROVIDED INFORMATION

According to ASTM E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), certain items should be researched by the prospective landowner or grantee, and the results of such inquiries provided to the Environmental Professional preparing the ESA for his/her consideration.

The table below outlines information that CREtelligent requested in our effort to identify or alleviate possible RECs in connection with the Subject Property. Information provided by the User (if any) is summarized below the table.

USER PROVIDED INFORMATION	NOT PROVIDED BY USER	PROVIDED BY USER
User Questionnaire		✔
Reasonably Ascertainable Title and Judicial Records for Environmental Liens and Activity and Use Limitations (AULs)	✔	
Specialized Knowledge or Experience of the User	✔	
Valuation Reduction for Environmental Issues (Reason for Significantly Lower Purchase Price)	✔	
Commonly Known or Reasonably Ascertainable Information	✔	
Degree of Obviousness	✔	
Prior Environmental Reports	✔	
Other	✔	

- CREtelligent received the Environmental Questionnaire completed by Brian Lambrecht on November 25, 2024. Mr. Lambrecht is the owner and has been associated with the Subject Property since 1993. No known environmental concerns were provided at the time of this report.
- The Subject Property was identified as a property consisting of single-family homes and an orchard. According to Mr. Lambrecht, "The property is being proposed for a subdivision and annexation into the city of Kerman".

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5.1 Interviews

Interviews were conducted with various individuals knowledgeable of the Subject Property. The interviews were conducted to determine an awareness of any recognized environmentally-related problems or concerns at the Subject Property. Specific information obtained from the noted individuals appears in the appropriate sections of this report.

The information gained from the interviews conducted by CREtelligent for this ESA were obtained from sources considered reliable and believed to be true and correct. However, CREtelligent has made no independent investigation as to such matters and undertakes no responsibility for the accuracy of these items.

TITLE	COMMENTS
Seller Questionnaire	At the time of this report the seller questionnaire has not been provided to CREtelligent.
Owner	At the time of this site assessment, a representative of the property owner, Lambrecht Limited II LP, was available for an interview. Brain Lambrecht has been associated with the property for the last 31 years. The Subject Property is currently occupied by single-family residents with a majority of the property consisting of an orchard. The proposed use is residential.
Current Site Manager, Occupants, or Employees	At the time of the ESA, current site managers, occupants, or employees were not available for interview.
Past Site Manager, Occupants, or Employees	At the time of the ESA, past site managers, occupants, or employees were not available for interview.
State/Local Agency	Interviews with State/Local agencies were summarized in Section 5.3.
Other	At the time of the ESA, other individuals were not available for interview.

5.2 Summary of Previous Investigations

No copies of previous investigations or other environmentally-related information about the property was provided by the Client. Based on the quality of information obtained from other sources, this is not considered a significant data gap.

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5.3 Agency Records Review

The purpose of the additional regulatory agency file review is to obtain sufficient information to assist CREtelligent personnel in determining if a REC, HREC, CREC, BER, or a De Minimis condition exists at the Subject Property in connection with the identified database listings. Pertinent regulatory files and/or records received by the date of this report have been added into Section 4.0. The following additional environmental records were reviewed to supplement the standard environmental record database search.

DATE REQUESTED	RESOURCE	COMMENTS
12/02/24	US EPA MyProperty Database	According to the online database search, no records were on file for the subject property.
12/02/24	California GeoTracker Database	No sites were identified on or near the subject property.
12/02/24	California EnviroStor Database	No sites were identified on or near the subject property.
12/02/24	Fresno County Environmental Health	As of the date of this report, CREtelligent has not received a response from this agency.
12/02/24	City of Kerman Building Division	As of the date of this report, CREtelligent has not received a response from this agency.

CREtelligent requested regulatory files for the Subject Property and/or off site concerns; however, as of the date of this report, limited agency response has been received. Based on the quality of information obtained from other sources, CREtelligent does not consider the lack information from regulatory agencies a significant data gap.

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6.0 SITE RECONNAISSANCE

A visual review of the Subject Property was completed to document site conditions and identify recognized environmental conditions.

The site reconnaissance included a systematic evaluation of the Subject Property exterior was conducted in a manner consistent with the ASTM standard. The Subject Property interior was comprehensively assessed with exception of the items in the table below. Photographs are provided in the appendices of this report.

6.1 Subject Property Observations & Limitations

The following lists the areas of the Subject Property that were or were not accessible during our site visit.

Site Assessment Date:	November 27, 2024
Site Escort:	Brain Lambrecht, Property Owner
What locations on the Subject Property were not observed to evaluate the environmental condition of the Subject Property? (not accessible)	The following locations on the Subject Property were not available for observation: the shed/garage at 130 N Madera Avenue and the single-family home at 402 N Madera Avenue were not accessible.
Were there any discrepancies noted in the Subject Property boundary? Different from the image provided?	No discrepancies were noted in the property boundaries.
Were adjacent properties observed from the Subject Property premises?	All adjacent properties were observed from the Subject Property premises and adjacent rights-of-way. No items of environmental concern were identified.
Limiting conditions to the site visit:	None

6.2 Observations Checklist

The following are the observations that were collected specifically to the ASTM inspection criteria for *"Site Reconnaissance"*.

ASTM OBSERVATIONS	OBSERVED	RISK
Hazardous Substances and Petroleum Products in Connection with Current Business Type	No	

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ASTM OBSERVATIONS	OBSERVED	RISK
Hazardous Substance and Petroleum Product Containers Not in Connection with Current Business Type	No	
Storage Tanks (UST/ASTs)	No	
Strong, Pungent, or Noxious Odors	No	
Standing Surface Water and Pools or Sumps Containing Liquids Likely to be Hazardous Substances or Petroleum Products	No	
Drums, Totes, and Intermediate Bulk Containers	No	
Unidentified Substance Containers	No	
PCB Containing Items	Yes	
Heating/Cooling	No	
Stains or Corrosion on Floors, Walls, or Ceilings (Interior)	No	
Drains and Sumps	No	
Pits, Ponds, or Lagoons	No	
Stained Soil or Pavement	Yes	
Stressed Vegetation (from something other than insufficient water)	No	
Solid Waste (Areas that are apparently graded by non-natural causes - or filled with fill of unknown origin - suggesting trash, construction debris, demolition debris, or other solid waste disposal; and mounds or depressions suggesting trash or other solid waste disposal.)	No	
Water/Wastewater (Wastewater or other liquid - including storm water - discharged from or to the Subject Property)	No	
Wells (e.g, dry wells, irrigation wells, injection wells, abandoned wells, or other wells)	Yes	✔
Septic Systems or Cesspools	Yes	
Other	No	

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OBSERVATIONS SUMMARY	
ASTM OBSERVATIONS	**COMMENTS**
PCB Containing Items	Pole-mounted transformers were identified along the south and east boundaries of the Subject Property. As no evidence of a release was identified, these transformers are not considered to represent a significant environmental concern to the Subject Property.
Stained Soil or Pavement	An area of oil-stained asphalt was identified in front of the garage at the single-family home addressed as 342 N Madera Avenue. This minor oil staining is likely related to vehicle parking and is not considered to be a significant environmental concern to the Subject Property.
Wells	The Subject Property utilizes potable water wells to the east of the single-family homes. Due to the current and long-term use of the Subject Property for agricultural/orchard, which may have involved the use of pesticides that could have impacted groundwater, the use of potable wells at the property is considered to represent a BER to the Subject Property.
Septic Systems or Cesspools	The Subject Property utilizes a septic system for the single-family homes along the west side of the property. As the septic tanks have only been used for residential purposes, the septic systems are not considered to represent a REC.
Please see the Appendices for additional perspective.	

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7.0 ASTM NON-SCOPE CONSIDERATIONS

The ASTM Standard recognizes that there may be environmental issues or conditions at a property that parties may wish to consider. These are considered ASTM Non-Scope Considerations. The scope of services for this assessment included the following:

7.1 Asbestos Containing Materials

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. Construction materials including, but not limited to, thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building and that have not been appropriately tested may be considered suspect Asbestos Containing Material (ACM).

Local, State, and Federal regulations indicate that any building material, regardless of age, should be presumed to contain greater than 1% asbestos. As a result, it is always advisable to conduct an asbestos survey prior to the disturbance of building materials to confirm the presence or absence of ACMs at a property.

The on-site residential structures were constructed prior to 1946. Based on this date of construction, ACM may be present in on-site materials. During our site reconnaissance, CREtelligent identified suspect ACMs including vinyl floor tile, drywall and joint compound, ceiling tiles, caulks, glazings, mastics, and roofing material. Several areas of damage were identified at the interior and exterior portions of the buildings. Therefore, the possible presence of ACM is considered a BER.

7.2 Radon

Radon is an odorless, colorless, tasteless radioactive gas that occurs from the natural breakdown (radioactive decay) of radium, uranium and thorium. The United States Environmental Protection Agency (US EPA) has specified a Radon action level of 4.0 picocuries per liter of air (pCi/L). The health risk associated with radon is its potential rate of accumulation within confined areas, particularly confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Indoor gas levels depend primarily on the underlying geological formations and building construction characteristics. Large, adequately ventilated rooms generally present limited risk for radon exposure.

The Subject Property is located in Radon Zone 2, which indicates that it is located in a county which has a predicted average indoor radon screening between 2 pCi/L and the USEPA action level of 4 pCi/L. Based on the low regional average, radon is not considered a BER.

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7.3 Lead-based Paint

Lead is a highly toxic metal that affects human health. Lead-Based Paint (LBP) is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm2 (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Based on the pre-1979 date of construction, it is possible LBP was used at the Subject Property. The painted surfaces observed were in good condition. As the Subject Property is used residentially, the possible presence of LBP is considered a BER.

7.4 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

No visual or olfactory indications of microbial growth or water infiltration were noted during the site reconnaissance. Microbial growth is not considered a BER.

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8.0 ABOUT THIS ENVIRONMENTAL SITE ASSESSMENT REPORT

On November 22, 2024, Cypress Developments, LLC retained CREtelligent to conduct a Phase I Environmental Site Assessment of the property at 134, 342 & 402 N Madera Avenue, Kerman, California, 93630 (herein, the "Subject Property"). This assessment was performed in general conformance with ASTM E1527-21, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," following all prescribed methodologies and protocols detailed in this Practice.

Any environmental Site Assessment that meets or exceeds the above-described methods is presumed valid under all applicable standards. Any exceptions to, or deletions from, this Practice are described in this report.

8.1 Purpose

This Phase I ESA is intended to assist the user in identifying Recognized Environmental Conditions (RECs), Controlled Recognized Environmental Conditions (CRECs), Historical Recognized Environmental Conditions (HRECs), de minimis conditions, and Business Environmental Risks (BERs) as defined by ASTM E1527-21.

The User indicated the reason for conducting the Phase I ESA was to assist in their internal decision making process, not to qualify for a landowner liability protection (LLP) to CERCLA liability.

A REC, as defined in ASTM E1527-21, is "(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*."

A CREC, as defined in ASTM E1527-21, is "a recognized environmental condition affecting the *subject property* that has been addressed to the satisfaction of the applicable regulatory authority or authorities with *hazardous substances* or *petroleum products* allowed to remain in place subject to implementation of required controls (for example, *activity and use limitations* or other *property use limitations).*"

A HREC, as defined in ASTM E1527-21, is "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 (for example, *activity and use limitations* or other *property use limitations*). A *historical recognized environmental condition* is not a *recognized environmental condition*."

A de minimis condition, as defined in ASTM E1527-21, is "a condition related to a *release* that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a *de minimis condition* is not considered a *recognized environmental condition (REC)* nor a *controlled recognized environmental condition (CREC)*.

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A BER, as defined by ASTM E1527-21, is a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.

8.2 Scope of Work

In accordance with ASTM Practice E1527-21, CREtelligent's assessment activities included: 1) a review of available historical resources (e.g. historical aerial photographs, city directories, and fire insurance maps; 2) a review Federal, State, County, and Local regulatory agency records; 3) a review of a regulatory database report provided by a third-party vendor; 4) on-site reconnaissance of the Subject Property and adjacent/adjoining properties; and 5) interviews, when reasonably possible, with on-site personnel and the Subject Property owner(s).

During the site visit, a CREtelligent representative conducted site reconnaissance to assess the possible presence of petroleum products and/or other hazardous materials on the Subject Property and made every reasonable effort to interview site personnel about current and past Subject Property use.

8.3 Report Reliance

In accordance with the terms of CREtelligent's Client Services Agreement, which governs the nature, scope, and purpose of this ESA, all reports, both verbal and written, are for the sole benefit of Cypress Developments, LLC, its affiliates, successors and assigns, as well as lending institutions involved in securing financing for the Subject Property. Other parties may not rely on this report without written consent from CREtelligent.

Third parties coming into possession of all or part of this report, whether verbal or written, must obtain written permission from CREtelligent for report reliance. Specific conditions and fees may apply to third-party reliance letters. In the absence of a written agreement with CREtelligent, no third party shall have any rights of recourse or recovery whatsoever under any course of action against CREtelligent, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold CREtelligent as well as Cypress Developments, LLC and their respective officers, employees, vendors, successors, and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such report reliance. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply for unauthorized use of this report.

All facsimile transmissions, accompanying documents, and signatures shall be treated as original documents and shall bind and inure the parties involved in this agreement.

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8.4 Significant Assumptions

While compiling this report, CREtelligent has assumed the veracity of sources of information widely considered within the industry to be authoritative, true, and correct. Nevertheless, CREtelligent has conducted no independent survey of the Subject Property nor made any independent investigation verifying the veracity of its sources. CREtelligent assumes no responsibility for the accuracy of these sources. All descriptions of dimensions, capacities, quantities, distances, historical site use, and ownership history information gathered from these sources are provided to assist the Client in visualizing the property and evaluating its likely exposure to environmental risk.

Further, it is assumed that all environmental site assessments contain data gaps. Data gaps that may be filled in by reasonable inference or that are unlikely to have a material effect on the environmental health of a property are considered insignificant and have been identified as such throughout this report. Significant data gaps, such as the current disposition of an environmental cleanup action or the number of hazardous materials used, stored, and/or hazardous waste generated on the Subject Property, are also identified and discussed. Significant data gaps may result in a recommendation for further assessment.

8.5 Data Gaps/Failures

A data gap is defined as the "lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information."

CREtelligent encountered the following data gaps during this assessment:

SECTION	SOURCES CONSULTED	DETAILS	SIGNIFICANCE
HISTORICAL			
3.0	Aerial photographs, city directories, topographic map, municipal records, and site contact.	Historical uses for each five-year period were not obtained. History not conducted back to a time when the site was undeveloped land.	LOW - Not anticipated to be significant, based on information reviewed to date.
INTERVIEWS			
5.0	Current owners and municipal records.	Historical owners could not be identified and/or contacted.	LOW - Not anticipated to be significant, based on information reviewed to date.

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SECTION	SOURCES CONSULTED	DETAILS	SIGNIFICANCE
INFORMATION REQUESTS			
5.0	FOIA requests submitted to: the City and County	Complete responses from regulatory agencies yet to be received as of the date of this report.	LOW - Not anticipated to be significant, based on information reviewed to date.
SITE RECONNAISSANCE			
6.0	N/A	The shed/garage at 130 N Madera Avenue and the single-family home at 402 N Madera Avenue were not accessible.	LOW - Not anticipated to be significant, based on information reviewed to date.

None of the data failures affected the ability of the Environmental Professionals involved in this assessment to identify RECs in connection with the Subject Property; therefore, they are not considered significant data gaps.

8.6 Limitations

CREtelligent warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in ASTM Practice E1527-21 at "Scope of Work." These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. However, even with the proper application of these methodologies, conditions may exist on the Subject Property that could not be identified within the scope of the assessment or which were not reasonably identifiable from available information. Further, the conclusions and findings set forth in this report are strictly limited in time to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. CREtelligent makes no other warranty, either expressed or implied.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is therefore subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those interviewed.

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ASTM Practice E1527-21 does not address requirements of any state or local laws or of any federal laws other than the all-appropriate inquiry provisions of the landowner liability protections. Further, this report does not intend to address all possible safety concerns, if any, associated with the Subject Property. While CREtelligent may comment on such matters, this report may not be construed as or used to certify that conditions on the Subject Property do not pose safety or health risks to its occupants or their visitors.

8.7 Limiting Conditions

No ESA can wholly eliminate uncertainty about whether environmental concerns affect the Subject Property. This report, therefore, is intended to reduce rather than eliminate uncertainty.

The performance of this ESA does not, in and of itself, meet the eligibility requirements qualifying landowners for certain liability protections set forth in 40 Code of Federal Regulations (CFR), Part 312, and authorized under the CERCLA.

Conditions may exist which were not identified as a result of our site reconnaissance or review of available historical and regulatory resources which might otherwise impact our conclusions concerning the condition of the Subject Property. Any conditions discovered or revealed which were not identified during the completion of this assessment should be reported to CREtelligent upon discovery and may impact the conclusions and recommendations of this Report.

CREtelligent utilized limited information concerning regulatory compliance in the preparation of this ESA report; however, this report is not intended as a compliance audit and may not be assumed to be, relied upon, or otherwise utilized as evidence of regulatory compliance.

In addition, the findings and conclusions expressed in this report are subject to all the limitations inherent to the methodologies prescribed in ASTM Practice E1527-21. Specific limitations, such as the unavailability of owner contact information, responses to FOIA requests not made available within agreed-upon service deadlines, areas inaccessible to the site assessor at the time of site reconnaissance, etc. are noted and their impact discussed in the appropriate sections of this report.

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9.0 TERMS AND ACRONYMS

Terms and Acronyms	Description
Adjacent Property	Any real property or properties the border of which is contiguous or partially contiguous with that of the Subject Property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AUL	Activity and Use Limitation
BER	A Business Environmental Risk (BER), as defined by ASTM E1527-21, is a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
CDL	Clandestine Drug Lab
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
COC	Contaminant of Concern
CREC	A Controlled Recognized Environmental Condition, as defined in ASTM E1527-21, is "a recognized environmental condition affecting the *subject property* that has been addressed to the satisfaction of the applicable regulatory authority or authorities with *hazardous substances* or *petroleum products* allowed to remain in place subject to implementation of required controls (for example, *activity and use limitations* or other *property use limitations).*"
Data Gap	A data gap, as defined in ASTM E1527-21, is the "lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information."
De Minimis Condition	A de minimis condition, as defined in ASTM E1527-21, is "a condition related to a *release* that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a *de minimis condition* is not considered a *recognized environmental condition (REC)* nor a *controlled recognized environmental condition (CREC)*.
ERNS	Emergency Response Notification System
FED ENG/FED INST	Federal Engineering Controls/Federal Institutional Controls
FOIA	Freedom of Information Act
FUDS	Formerly Used Defense Sites

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HREC	A historical REC (HREC), as defined in ASTM E1527-21, is "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 (for example, *activity and use limitations* or other *property use limitations*). A *historical recognized environmental condition* is not a *recognized environmental condition*."
ICIS	Integrated Compliance Information System
LST	Leaking Storage Tank
LPST/LUST	Leaking Petroleum Storage Tank | Leaking Underground Storage Tank
LUR	Land Use Restriction
MSL	Mean Sea Level
NFA/NFRA/NFRAP	No Further Action/No Further Remedial Action/No Further Remedial Action Planned
ND	None Detected
NOV	Notice of Violation
NPL	National Priorities List (aka Superfund)
PCB	Polychlorinated Biphenyls
PCE/PERC	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene
PRP	Potentially Responsible Parties List
PST	Petroleum Storage Tank
RCRA	Resource Conservation and Recovery Act
RCRA CESQG	RCRA Conditionally Exempt Small Quantity Generator
RCRA CORRACTS	RCRA Corrective Action
RCRA LQG	RCRA Large Quantity Generators List
RCRA NON GEN	RCRA Non-Generator
RCRA SQG	RCRA Small Quantity Generators List
RCRA TSD	RCRA non-CORRACTS TSD Facilities
REC	A Recognized Environmental Condition, as defined in ASTM E1527-21, is "(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*."
SEMS	Superfund Enterprise Management System
SUPERFUND ROD	Superfund Record of Decision
SWF/LF	Solid Waste Facility/Landfill
TRIS	Toxic Release Inventory Program
UST	Underground Storage Tank

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VCP	Voluntary Cleanup Program
VOC/HVOC	Volatile Organic Compound/Halogenated Volatile Organic Compound
USGS	United States Geological Survey

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Maps

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Figure 1: Subject Property Map

Residences and Orchard
134, 342 & 402 N Madera Avenue
Kerman, California 93630

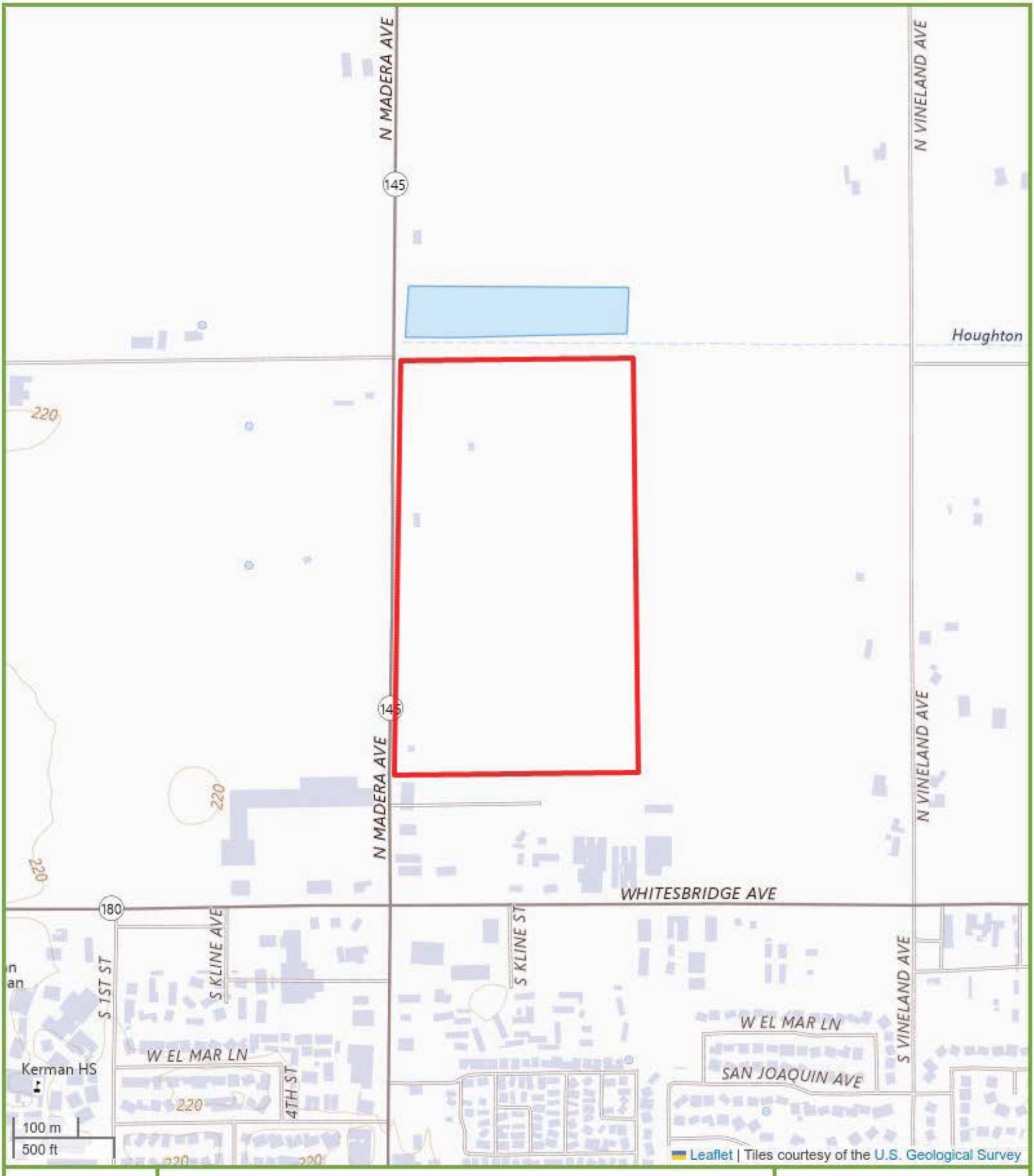


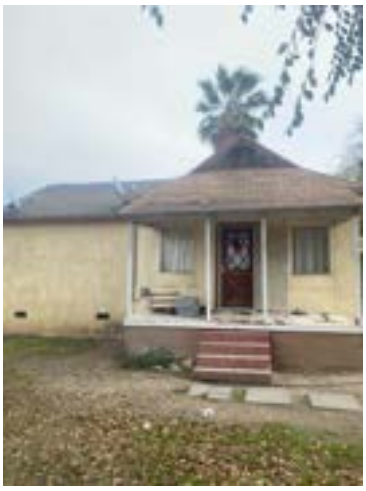
Figure 2: Topographic Map

Residences and Orchard
134, 342 & 402 N Madera Avenue
Kerman, California 93630

CREtelligent
Commercial Real Estate Due Diligence. Simplified.

Photographs

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Western/front view of the residence at 130 N Madera Avenue



Southeast view of the residence at 130 N Madera Avenue



East view of the residence at 130 N Madera Avenue, showing yard



East view of the residence at 130 N Madera Avenue, showing shed in back yard



Pressure tank for well water at the 130 N Madera Avenue residence



Water well for the 130 N Madera Avenue residence



Orchard at 130 N Madera Avenue



Orchard at 130 N Madera Avenue



Western/front view of the residence at 342 N Madera Avenue



Northeast view of the residence at 342 N Madera Avenue



East/rear view of the residence at 342 N Madera Avenue



Kitchen within residence at 342 N Madera Avenue

 Living room within residence at 342 N Madera Avenue	 Bedroom within residence at 342 N Madera Avenue
 Bedroom within residence at 342 N Madera Avenue	 Bedroom within residence at 342 N Madera Avenue

	
Bathroom within residence at 342 N Madera Avenue	Garage within residence at 342 N Madera Avenue
	
Minor oil staining in front of the garage at the residence at 342 N Madera Avenue	Pressure tank for well water at the 342 N Madera Avenue residence



Hydroelectric power (HEP) unit at 342 N Madera Avenue



Orchard at 342 N Madera Avenue



Orchard at 342 N Madera Avenue



Orchard at 342 N Madera Avenue



Orchard at 342 N Madera Avenue



Residential and orchard (402 N Madera Avenue)



Water irrigation standpipe located at the far northeast portion of the 342 N Madera Avenue parcel



Pipes for flood irrigation are located on the east side of both parcels of the Subject Property

 Pipes for flood irrigation are located on the east side of both parcels of the Subject Property	 Pipes for flood irrigation are located on the east side of both parcels of the Subject Property
 Pipes for flood irrigation are located on the east side of both parcels of the Subject Property	 Pole-mounted transformers at the southeast corner of the Subject Property



Adjoining property to the east consisting of vacant land



Adjoining property to the east consisting of orchard land (245 & 287 N Vineland Avenue)



Adjoining property to the south consisting of Kerman Mobile Homes Inc (14754 W Whitesbridge Avenue)



Adjoining property to the south consisting of StorMax of Kerman (14750 W Whitesbridge Avenue)



Adjoining property to the south consisting of multi-tenant retail (170-198 N Madera Avenue)



Adjoining property to the south consisting of multi-tenant retail (170-198 N Madera Avenue)



Adjoining property to the west consisting of Kerman High School (194 S 1st Street)



Adjoining property to the west consisting of orchard land

County Tax Office Information

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134 N MADERA

County Id	6019
County	Fresno, CA
Muni Name	Kerman
Census Place	Kerman city
Parcel Id	02513048
Address	134 N MADERA Ave
Zip Code	93630
Owner	LAMBRECHT LIMITED II LP
Acreage	19.61 (deeded), 19.37 (calculated)
Land Cover	Cultivated Crops: 16.12ac (83.2%), Developed Low Intensity: 2.23ac (11.5%), Developed Medium Intensity: 0.89ac (4.6%), Developed Open Space: 0.14ac (0.7%)
Elevation Ft	224
Mkt Val Land	$169,158
Mkt Val Bldg	$169,158
Mkt Val Tot	$169,158
Mailing	P O BOX 767 FRIANT CA 93626
Owner Occupied	No
Usps Residential	Residential
Legal Desc	19.61 AC IN LOTS 51 52 SUBD OF SEC 6 T14R18
Section Township Range	6-14S-18E
Latitude	36.737883
Longitude	-120.058090
School District	Kerman Unified School District

342 N MADERA

County Id	6019
County	Fresno, CA
Muni Name	Kerman
Parcel Id	02513047
Address	342 N MADERA Ave
Zip Code	93630
Owner	LAMBRECHT LIMITED II LP
Acreage	19.56 (deeded), 18.91 (calculated)
Land Cover	Cultivated Crops: 17.75ac (93.9%), Developed Low Intensity: 0.61ac (3.2%), Developed Medium Intensity: 0.55ac (2.9%)
Elevation Ft	225
Mkt Val Land	$193,677
Mkt Val Bldg	$193,677
Mkt Val Tot	$193,677
Mailing	P O BOX 767 FRIANT CA 93626
Owner Occupied	No
Usps Residential	Residential
Legal Desc	19.56 AC IN LOTS 53 54 SUBD OF SEC 6 T14R18
Section Township Range	6-14S-18E
Latitude	36.739564
Longitude	-120.058105
School District	Kerman Unified School District

402 N MADERA

County Id	6019
County	Fresno, CA
Muni Name	Kerman
Parcel Id	02513060S
Address	402 N MADERA Ave
Zip Code	93630
Owner	LAMBRECHT LIMITED II LP
Acreage	15.07 (deeded), 15.40 (calculated)
Land Cover	Cultivated Crops: 14.31ac (92.9%), Developed Low Intensity: 0.67ac (4.4%), Developed Medium Intensity: 0.22ac (1.5%), Developed Open Space: 0.20ac (1.3%)
Elevation Ft	227
Mkt Val Land	$280,066
Mkt Val Bldg	$280,066
Mkt Val Tot	$280,066
Mailing	P O BOX 767 FRIANT CA 93626
Owner Occupied	No
Usps Residential	Residential
Legal Desc	15.07 AC LOT 55 FRESNO IRR FARM CO TR SUB D SEC 6
Section Township Range	6-14S-18E
Latitude	36.741394
Longitude	-120.058020
School District	Kerman Unified School District

Regulatory Agency Records

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An official website of the United States government

Search EPA.gov

No Information Found for the Submitted Address

No records were found within the EPA's Facility Registry System (FRS) list of address records for the provided search location. The No Records <https://epa.gov/envirofacts/embed/myproperty/certificate/134%20n%20madera%20ave/kerman/ca> is a link to a printable document stating that no record(s) were found for the provided search location.

You searched on:
Address Searched: 134 N Madera Ave
City Searched: Kerman
State Searched: CA

WARNING:

The address entered could not be matched exactly against the EPA's Facility Registry System (FRS) list of address records. Please make sure you have entered the address correctly for the location you are interested in.

If you would like to utilize additional search tools to investigate areas of interest, please visit the Envirofacts Multisystem Search <https://epa.gov/envirofacts/multisystem/search> or the Facility Registry System <https://www.epa.gov/frs/frs-query>

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LAST UPDATED ON NOVEMBER 15, 2024

An official website of the United States government

Search EPA.gov

No Information Found for the Submitted Address

No records were found within the EPA's Facility Registry System (FRS) list of address records for the provided search location. The No Records <https://epa.gov/envirofacts/embed/myproperty/certificate/342%20n%20madera%20ave/kerman/ca> is a link to a printable document stating that no record(s) were found for the provided search location.

You searched on:
Address Searched: 342 N Madera Ave
City Searched: Kerman
State Searched: CA

WARNING:

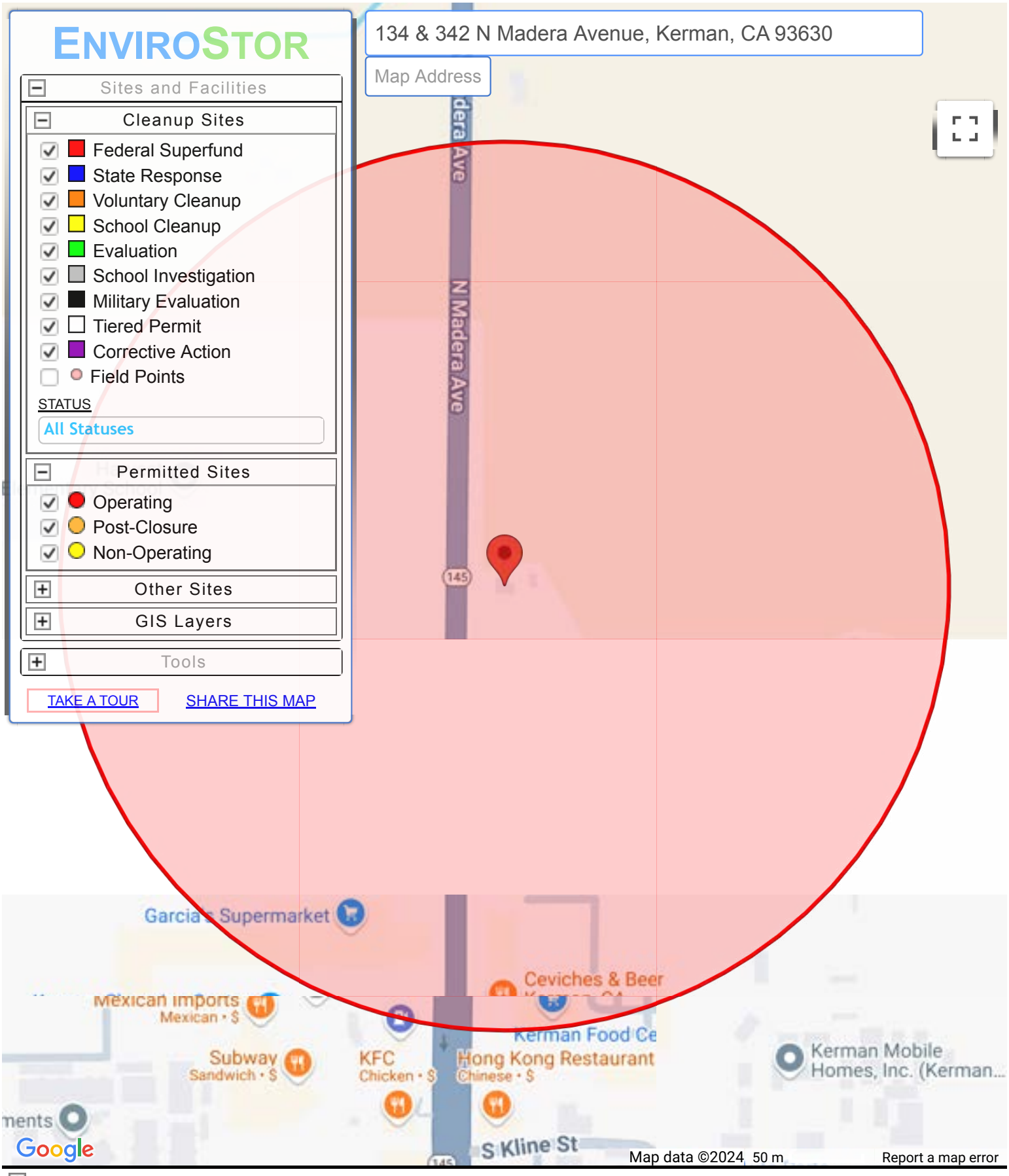
The address entered could not be matched exactly against the EPA's Facility Registry System (FRS) list of address records. Please make sure you have entered the address correctly for the location you are interested in.

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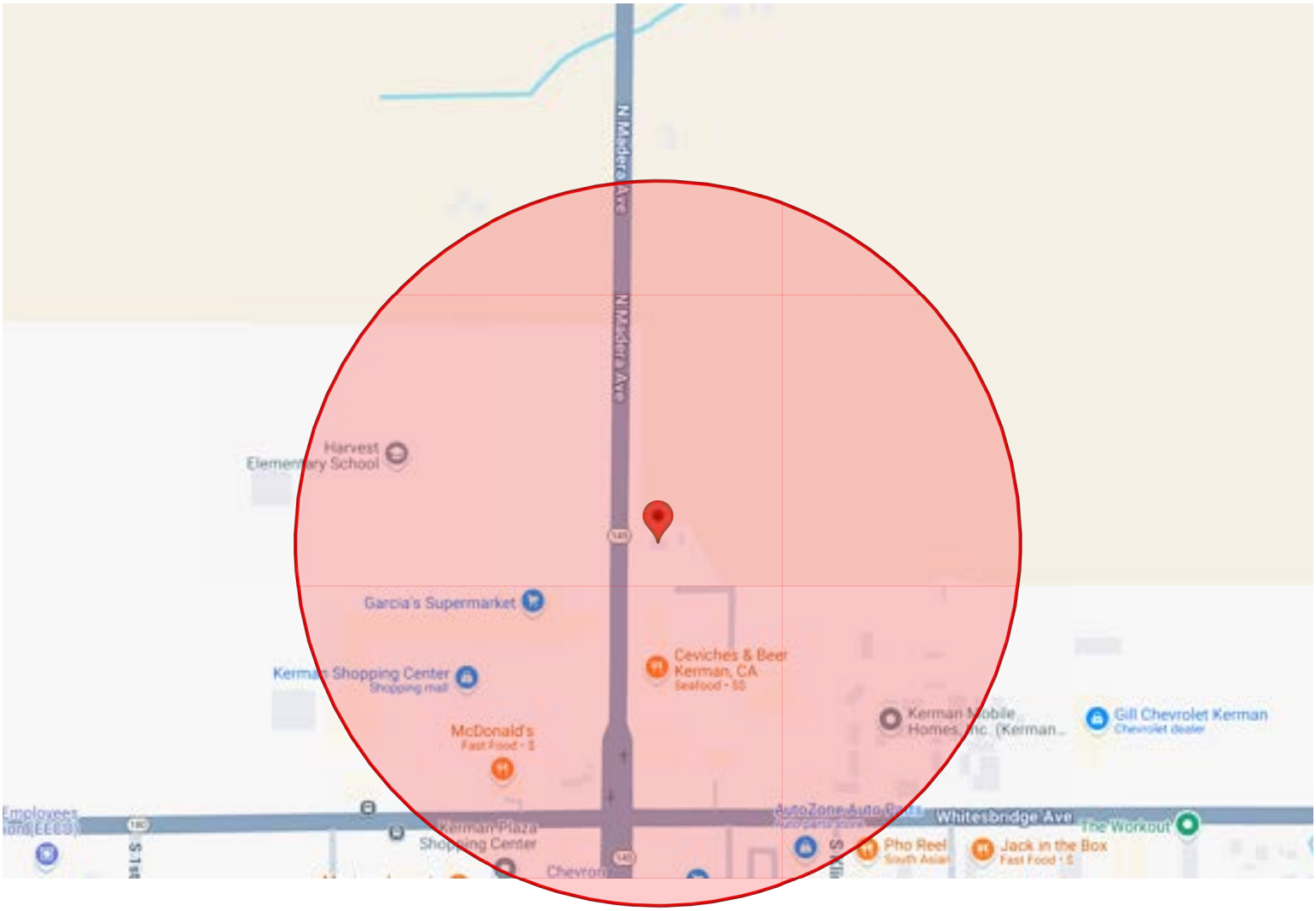
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Contact Us <https://www.epa.gov/enviro/forms/contact-us-about-envirofacts> to ask a question, provide feedback, or report a problem.

LAST UPDATED ON NOVEMBER 15, 2024



SITES FOUND IN SEARCH RADIUS





Sites Shown on Map: 0 Total Sites 0 Open Sites 0 Closed Sites 0 Sites w/Water Quality Data

Public Records Request - 134 & 342 N Madera Avenue, Kerman, CA 93630

From: Caitlyn Seavey (caitlynseavey@yahoo.com)

To: environmentalhealth@fresnocountyca.gov

Date: Saturday, November 30, 2024 at 08:35 AM EST

Hello,

My company has been engaged to perform an environmental site assessment of a property located at 134 & 342 N Madera Avenue, Kerman, CA 93630. As part of our due diligence and in accordance with ASTM production standards, we're requesting any documents that may exist regarding permits (tanks, dry-cleaning, printing, fuel dispensing, hazardous waste), tanks, spills, releases of hazardous materials, or known contaminated sites on our subject property.

Thank you in advance for your efforts,

Caitlyn Seavey
Environmental Consultant

561-571-5561
caitlynseavey@yahoo.com
South Florida Region

Public Records Request - 134 & 342 N Madera Avenue, Kerman, CA 93630

From: Caitlyn Seavey (caitlynseavey@yahoo.com)

To: kzamora@cityofkerman.org

Date: Saturday, November 30, 2024 at 08:37 AM EST

Hello,

My company has been engaged to perform an environmental site assessment of a property located at 134 & 342 N Madera Avenue, Kerman, CA 93630. As part of our due diligence and in accordance with ASTM production standards, we're requesting any building records regarding open permits, violations, site plans, surveys, or Certificates of Occupancy for our subject property.

Thank you in advance for your efforts,

Caitlyn Seavey
Environmental Consultant

561-571-5561
caitlynseavey@yahoo.com
South Florida Region

Regulatory Database Record Report

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DATABASE REPORT

Project Property:	*24K13-79794-762 ESA* *134 N Madera Ave* *Kerman CA 93630*
Project No:	
Report Type:	*Database Report*
Order No:	*24112200909*
Requested by:	*CREtelligent*
Date Completed:	*November 25, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:		*24K13-79794-762 ESA* *134 N Madera Ave Kerman CA 93630*
Project No:		
Coordinates:		
	Latitude:	*36.73860551*
	Longitude:	*-120.05800306*
	UTM Northing:	*4,069,911.94*
	UTM Easting:	*762,693.77*
	UTM Zone:	*UTM Zone 10S*
Elevation:		*225 FT*

Order Information:

Order No:	*24112200909*
Date Requested:	*November 22, 2024*
Requested by:	*CREtelligent*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*Smart CD Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	**1**	-	**1**
RCRA LQG	Y	0.25	0	0	**1**	-	-	**1**
RCRA SQG	Y	0.25	0	0	**1**	-	-	**1**
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	**6**	**9**	-	-	**15**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	**1**	0	**1**
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
WMUD	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	0	**1**	**1**	-	**2**
RECYCLING	Y	0.5	0	0	0	**1**	-	**1**
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	**1**	0	0	-	**1**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	**1**	**2**	-	-	**3**
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	**6**	**3**	-	-	**9**
UST SWEEPS	Y	0.25	0	**7**	**3**	-	-	**10**
AST	Y	0.25	0	0	0	-	-	0
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	**1**	**2**	-	-	**3**
CERS TANK	Y	0.25	0	**1**	**2**	-	-	**3**
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	**5**	**4**	-	-	**9**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	**1**	-	**1**
DELISTED CLEANUP	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County								
CUPA FRESNO	Y	0.25	0	**7**	**11**	-	-	**18**
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
PFAS ERNS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	**3**	-	**3**
HMIRS	Y	0.125	0	**1**	-	-	-	**1**
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	**1**	**1**	-	-	**2**
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	**1**	-	**1**
POWER PLANTS	Y	0.125	0	0	-	-	-	0
State								
PFAS SAMPLING	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS GT CLEANUPS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
PFAS INVEST	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
TOXIC PITS	Y	1	0	0	0	0	0	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	**1**	0	**1**
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	-	-	-	-	0
HAZ GEN	Y	PO	0	-	-	-	-	0
HAZ TSD	Y	0.5	0	0	0	0	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	**2**	-	-	-	**2**
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	**8**	**4**	-	-	**12**
CDL	Y	0.125	0	0	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County								
Total:			0	**47**	**44**	**10**	0	**101**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	HHSS	ELANORA VALLANDINGHAM	447 NO. MADERA AVE KERMAN CA 93630	NW	0.05 / 272.57	1	34
1	UST SWEEPS	ELANORA VALLANDINGHAM	447 N MADERA AVE KERMAN CA ***C C | Status:*** A10-000-22684 | ACTIVE ***Tank ID:*** 000001	NW	0.05 / 272.57	1	34
2	EMISSIONS	BURGER KING #12426/CENTRAL VALLEY GROUP	14890 WHITESBRIDGE RD KERMAN CA 93630	SSW	0.09 / 458.99	-2	34
2	EMISSIONS	BURGER KING #12426/ I DOUBLE ON NINE INC	14890 WHITESBRIDGE RD KERMAN CA 93630	SSW	0.09 / 458.99	-2	39
3	HIST TANK	91911	14980 W. WHITESBRIDGE KERMAN CA	SSW	0.11 / 604.50	-2	42
4	DELISTED TNK	ARCO #3618	15000 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.12 / 608.38	-2	42
4	LUST	ARCO (BEACON) #618	15000 WHITES BRIDGE W KERMAN CA 93630 ***Global ID | Status:*** T0601900027 |	SW	0.12 / 608.38	-2	42
4	CUPA FRESNO	7-ELEVEN #37960	15000 W WHITESBRIDGE AVE NW CORNER KERMAN CA 93630	SW	0.12 / 608.38	-2	45
4	HHSS	KERMAN ARCO	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	-2	45
4	CERS TANK	7-ELEVEN INC. #37960	15000 W WHITESBRIDGE AVE KERMAN CA 93630 ***Site ID:*** 21738	SW	0.12 / 608.38	-2	46
4	UST	7-ELEVEN INC. #37960	15000 W Whitesbridge Ave Kerman CA 93630 ***Facility ID:*** FA00170271 ***Tank ID No. | Tank Status | Tank Closure Date:*** 3618-3 | Confirmed/Updated Information | , 3618-2 | Confirmed/Updated Information | , 3618-1 | Confirmed/Updated Information |	SW	0.12 / 608.38	-2	51
4	EMISSIONS	CST CALIFORNIA STATIONS INC/CORNER STORE #3618	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	-2	53

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
4	EMISSIONS	CST CA STATIONS INC/CORNER STORE #3618	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	-2	54
4	EMISSIONS	VALERO CA RETAIL CO DBA ARCO #3618	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	-2	54
4	EMISSIONS	BEACON OIL COMPANY #3618	15000 W WHITESBRIDGE KERMAN CA	SW	0.12 / 608.38	-2	55
4	HIST TANK	KERMAN ARCO	15000 W WHITESBRIDGE KERMAN CA	SW	0.12 / 608.38	-2	58
4	EMISSIONS	7- ELEVEN INC	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	-2	58
4	RCRA NON GEN	ARCO STORE #3618	15000 W WHITESBRIDGE AVE KERMAN CA 93630-1030 ***EPA Handler ID:*** CAL000383978	SW	0.12 / 608.38	-2	61
4	RCRA NON GEN	7 ELEVEN 37960	15000 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID:*** CAL000418938	SW	0.12 / 608.38	-2	62
4	ALT FUELS	76	15000 W Whitesbridge Ave Kerman CA 93630 ***ID:*** 240313	SW	0.12 / 608.38	-2	63
5	HIST TANK	FRASER SUPPLY, INC.	14902 W. WHITESBRIDGE RD. KERMAN CA	S	0.12 / 612.01	-2	64
6	CUPA FRESNO	CHEVRON	14980 W WHITESBRIDGE KERMAN CA 93630	SSW	0.12 / 612.52	-2	64
6	HHSS	91911	14980 W. WHITESBRIDGE KERMAN CA 93630	SSW	0.12 / 612.52	-2	64
6	UST SWEEPS	CHEVRON	14980 W WHITESBRIDGE KERMAN CA ***C C | Status:*** I10-000-62164 | INACTIVE ***Tank ID:*** 000002, 000004, 000003, 000001	SSW	0.12 / 612.52	-2	64
7	CUPA FRESNO	KERMAN MOBILE HOMES	14754 W WHITESBRIDGE AVE KERMAN CA 93630	S	0.12 / 614.45	-2	65

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
7	HHSS	MACK LAZARUS MOBILHOMES	14754 W. WHITESBRIDGE RD. KERMAN CA 93630	S	0.12 / 614.45	-2	65
7	RCRA NON GEN	KERMAN MOBILE HOMES INC	14754 W WHITESBRIDGE AVE KERMAN CA 93630-1110 ***EPA Handler ID:*** CAL000336734	S	0.12 / 614.45	-2	65
7	UST SWEEPS	MACK LAZARUS MOBILE HOMES	14754 W WHITESBRIDGE RD KERMAN CA ***C C | Status:*** I10-000-39066 | INACTIVE ***Tank ID:*** 000002, 000001, 000003	S	0.12 / 614.45	-2	67
8	HHSS	FRASER SUPPLY INC	14902 W. WHITESBRIDGE RD. KERMAN CA 93630	S	0.12 / 615.13	-2	67
8	UST SWEEPS	FRASER SUPPLY, INC.	14902 W WHITESBRIDGE RD KERMAN CA ***C C | Status:*** A10-000-37780 | ACTIVE ***Tank ID:*** 000001, 000002, 000003	S	0.12 / 615.13	-2	67
9	CERS HAZ	Grocery Outlet of Kerman	14868 W WHITESBRIDGE AVE KERMAN CA 93630	S	0.12 / 615.41	-2	68
9	RCRA NON GEN	FRESHBARGAINS LLC DBA GROCERY OUTLET OF KERMAN	14868 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID:*** CAL000475997	S	0.12 / 615.41	-2	70
10	HIST TANK	MACK LAZARUS MOBILHOMES	14754 W. WHITESBRIDGE RD. KERMAN CA	S	0.12 / 615.83	-2	71
11	CUPA FRESNO	H&J CHEVROLET	14680 W WHITESBRIDGE KERMAN CA 93630	SE	0.12 / 625.97	-1	71
11	RCRA NON GEN	H&J CHEVROLET	14680 W WHITESBRIDGE KERMAN CA 93630-0000 ***EPA Handler ID:*** CAL000024088	SE	0.12 / 625.97	-1	71
11	CERS HAZ	H&J CHEVROLET	14680 W WHITESBRIDGE KERMAN CA 93630	SE	0.12 / 625.97	-1	72
11	UST SWEEPS	H & J CHEVROLET	14680 W WHITESBRIDGE KERMAN CA ***C C | Status:*** A10-000-266 | ACTIVE ***Tank ID:*** 000001	SE	0.12 / 625.97	-1	75
12	HHSS	H/J CHEVROLET INC	14680 W WHITESBRIDGE RD KERMAN CA 93630	SSE	0.12 / 629.15	-1	75

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
12	HIST TANK	H/J CHEVROLET, INC.	14680 W WHITEBRIDGE RD KERMAN CA	SSE	0.12 / 629.15	-1	75
13	CUPA FRESNO	GLEN RUDOLPH AUTO BODY	14703 W WHITESBRIDGE KERMAN CA 93630	SSE	0.12 / 630.50	-1	76
14	UST SWEEPS	ARCO BEACON #618	15000 W WHITESBRIDGE RD KERMAN CA ***C C | Status:*** A10-000-63666 | ACTIVE ***Tank ID:*** 000001, 000003, 000004, 000002	SW	0.12 / 630.68	-2	76
14	UST SWEEPS	ARCO-BEACON #618	15000 W WHITESBRIDGE ROAD KERMAN CA ***C C | Status:*** A10-000-10707 | ACTIVE ***Tank ID:*** 000003, 000001, 000002, 000004	SW	0.12 / 630.68	-2	77
14	HMIRS		15000 West Whitesbridge Ave Kerman CA	SW	0.12 / 630.68	-2	78
15	CUPA FRESNO	AUTOZONE #5324	15010 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 634.06	-2	79
16	RCRA NON GEN	GILL MOTORS KERMAN INC DBA GILL CHEVROLET	14680 W WHITEBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID:*** CAL000474552	SE	0.12 / 635.98	-1	80
17	CUPA FRESNO	WHITESBRIDGE VALERO	14859 W WHITESBRIDGE RD KERMAN CA 93630	S	0.12 / 637.80	-2	81
18	EMISSIONS	CARL'S JR.	15005 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 653.06	-2	81
19	CUPA FRESNO	FAMILY DOLLAR STORE #10017	15070 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.13 / 666.88	-2	86
19	RCRA NON GEN	FAMILY DOLLAR INC #10017	15070 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID:*** CAL000376032	SW	0.13 / 666.88	-2	87
20	RCRA NON GEN	MCDONALD'S CORP.	15100 W. WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID:*** CAC003100570	SW	0.13 / 706.09	-2	88
21	HIST TANK	KERMAN CAR WASH	127 S. MADERA AVE KERMAN CA	SSW	0.14 / 712.90	-2	89

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
22	EMISSIONS	GLENN RUDOLPH'S AUTOBODY	14703 W WHITESBRIDGE RD KERMAN CA 93630	SSE	0.14 / 748.31	-1	89
23	CUPA FRESNO	AUTOZONE #5324	14923 W WHITESBRIDGE AVE KERMAN CA 93630	S	0.14 / 750.71	-2	93
24	CERS TANK	Kerman Food Mart	14859 W WHITESBRIDGE AVE KERMAN CA 93630 ***Site ID:*** 615772	S	0.14 / 759.11	-2	94
24	UST	Kerman Food Mart	14859 W Whitesbridge Ave Kerman CA 93630	S	0.14 / 759.11	-2	97
			Tank ID No. | Tank Status | Tank Closure Date: 3 | New Permit | , 2 | New Permit | , 4 | New Permit | , 1 | New Permit |				
25	RCRA SQG	BUTCHS AUTO PARTS INC	14695 W WHITESBRIDGE RD KERMAN CA 93630 ***EPA Handler ID:*** CAD982512568	SSE	0.14 / 761.97	-1	99
25	CUPA FRESNO	BUTCH'S AUTO PARTS & MACH SHOP	14695 W WHITESBRIDGE KERMAN CA 93630	SSE	0.14 / 761.97	-1	100
26	RCRA NON GEN	AUTOZONE #5324	14923 WHITESBRIDGE RD KERMAN CA 93630 ***EPA Handler ID:*** CAL000356836	S	0.14 / 763.51	-2	100
27	HIST TANK	ELANORA VALLANDINGHAM	447 NO. MADERA AVE KERMAN CA	WNW	0.15 / 765.84	-1	101
28	CUPA FRESNO	BEACON #555	14985 W WHITESBRIDGE AVE KERMAN CA 93630	SSW	0.15 / 777.11	-3	101
28	HHSS	BEACON STATION 555	14985 W. WHITESBRIDGE KERMAN CA 93630	SSW	0.15 / 777.11	-3	101
28	EMISSIONS	BEACON #3555	14985 W WHITESBRIDGE KERMAN CA 93630	SSW	0.15 / 777.11	-3	101
28	HIST TANK	BEACON STATION #555	14985 W. WHITESBRIDGE KERMAN CA	SSW	0.15 / 777.11	-3	103
28	UST SWEEPS	BEACON STATION #555	14985 W WHITESBRIDGE KERMAN CA	SSW	0.15 / 777.11	-3	103

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***C C*	*Status:*** A10-000-42186 | ACTIVE ***Tank ID:*** 000003, 000001, 000002			
29	CUPA FRESNO	DOLLAR TREE #02955	15156 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.15 / 794.43	-2	104
29	RCRA NON GEN	DOLLAR TREE #02955	15156 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID:*** CAL000390940	SW	0.15 / 794.43	-2	104
29	RCRA NON GEN	KERMAN SHOPPING PLAZA, LLC	15160 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID:*** CAC002980355	SW	0.15 / 794.43	-2	105
30	CUPA FRESNO	CVS PHARMACY #4446	14967 W WHITESBRIDGE AVE KERMAN CA 93630	SSW	0.16 / 847.25	-3	106
30	CUPA FRESNO	GARFIELD BEACH CVS LLC	14967 W WHITESBRIDGE RD KERMAN CA 93630	SSW	0.16 / 847.25	-3	106
30	RCRA LQG	CVS PHARMACY # 4446	14967 WEST WHITESBRIDGE ROAD KERMAN CA 93630-1111 ***EPA Handler ID:*** CAR000232942	SSW	0.16 / 847.25	-3	107
31	RCRA NON GEN	KERMAN DIALYSIS CENTER LLC	14945 W WHITESBRIDGE AVE KERMAN CA 93630-1111 ***EPA Handler ID:*** CAL000409483	SSW	0.16 / 847.78	-3	117
32	DELISTED TNK	KERMAN CAR WASH	127 MADERA AVE S KERMAN CA 93630	SSW	0.17 / 882.17	-2	119
32	CUPA FRESNO	KERMAN CAR WASH	127 S MADERA AVE S OF KERMAN CA 93630	SSW	0.17 / 882.17	-2	119
32	HHSS	KERMAN CAR WASH	127 S. MADERA AVE KERMAN CA 93630	SSW	0.17 / 882.17	-2	119
32	CERS TANK	KERMAN CAR WASH INC	127 S MADERA AVE KERMAN CA 93630 ***Site ID:*** 378685	SSW	0.17 / 882.17	-2	119
32	EMISSIONS	KERMAN CAR WASH	127 S MADERA KERMAN CA 93630	SSW	0.17 / 882.17	-2	128
32	EMISSIONS	KERMAN CARWASH INC	127 S MADERA KERMAN CA 93630	SSW	0.17 / 882.17	-2	132

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
32	UST	KERMAN CAR WASH INC	127 S MADERA AVE KERMAN CA 93630	SSW	0.17 / 882.17	-2	135
			Facility ID: FA0169968 ***Tank ID No. | Tank Status | Tank Closure Date:*** TY000603 | Confirmed/Updated Information | , TY000602 | Confirmed/Updated Information | , TY000601 | Confirmed/Updated Information |				
32	UST SWEEPS	KERMAN CAR WASH	127 S MADERA AVE KERMAN CA	SSW	0.17 / 882.17	-2	137
			C C | Status: A10-000-52261 | ACTIVE ***Tank ID:*** 000002, 000003, 000001				
33	CUPA FRESNO	FORMER RITE AID #5853	15196 W WHITESBRIDGE AVE NW CORNER KERMAN CA 93630	SW	0.18 / 937.37	-2	137
33	CUPA FRESNO	O'REILLY AUTO PARTS #3921	15196 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.18 / 937.37	-2	138
33	RCRA NON GEN	O'REILLY AUTO PARTS #3921	15196 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID:*** CAL000393420	SW	0.18 / 937.37	-2	138
33	C&D DEBRIS RECY	O'REILLY AUTO PARTS #3921	15196 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.18 / 937.37	-2	139
34	HIST TANK	JAY RAY BLAIR	15175 W. NIELSEN KERMAN CA	NW	0.18 / 942.09	-1	139
35	RCRA NON GEN	LUPE FLORES	15057 W. WHITESBRIDGE KERMAN CA 93630 ***EPA Handler ID:*** CAC003077989	SW	0.20 / 1,073.53	-2	139
36	ALT FUELS	Kerman Unified School District - District Office	15218 W Whitesbridge Ave Kerman CA 93630 ***ID:*** 153112	SW	0.20 / 1,076.50	-2	140
37	CUPA FRESNO	BLAIR APIARIES	15175 W NIELSEN KERMAN CA 93630	NW	0.21 / 1,133.27	-1	141
37	HHSS	JAY RAY BLAIR	15175 W. NIELSEN KERMAN CA 93630	NW	0.21 / 1,133.27	-1	141
37	UST SWEEPS	BLAIR APIARIES	15175 W NIELSEN KERMAN CA	NW	0.21 / 1,133.27	-1	141
			C C | Status: A10-000-48906 | ACTIVE ***Tank ID:*** 000001, 000002				
38	DELISTED TNK	KERMAN U SAVE MINI MART	200 MADERA AVE S KERMAN CA 93630	S	0.22 / 1,162.02	-3	142

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
39	RCRA NON GEN	HARI JACOB DDS	184 S MADERA AVE KERMAN CA 93630 ***EPA Handler ID:*** CAL000272741	SSW	0.24 / 1,293.51	-3	142
40	C&D DEBRIS RECY	SMITH AUTO PARTS-KERMAN	187 S MADERA AVE KERMAN CA 93630	SSW	0.26 / 1,360.19	-3	143
41	ENVIROSTOR	KERMAN PROPOSED ELEMENTARY SCHOOL & HIGH SCHOOL ATHLETIC FACILITIES	NORTHWEST CORNER OF WHITESBRIDGE & MADERA AVENUES KERMAN CA 93630 ***Estor/EPA ID | Cleanup Status:*** 60002320 | NO FURTHER ACTION AS OF 10/7/2016	WSW	0.27 / 1,447.94	-3	143
41	SCH	KERMAN PROPOSED ELEMENTARY SCHOOL & HIGH SCHOOL ATHLETIC FACILITIES	NORTHWEST CORNER OF WHITESBRIDGE & MADERA AVENUES KERMAN CA 93630 ***Estor/EPA ID | Cleanup Status:*** 60002320 | NO FURTHER ACTION AS OF 10/7/2016	WSW	0.27 / 1,447.94	-3	145
42	CLEANUP SITES	UNITED AGRI PRODUCTS	14451 W. WHITESBRIDGE RD. KERMAN CA 93630-9216 ***Global ID:*** SLT5FU221099	ESE	0.32 / 1,667.49	1	147
43	PFAS IND	VILLARREAL TRUCKING	KERMAN CA	SE	0.32 / 1,674.81	-1	149
44	PFAS IND	GOLDEN STATE MW INC	KERMAN CA	ESE	0.33 / 1,752.09	1	150
45	PCB	GOLDEN STATE MW INC	14443 W WHITESBRIDGE AVE KERMAN CA 93630 ***Site ID:*** CAR000351593	ESE	0.34 / 1,780.92	1	151
46	PFAS IND	AGUILARS TRUCKING JOSE ROBERTO AGUILAR	KERMAN CA	SSE	0.35 / 1,827.87	-2	151
47	RCRA TSD	KERMAN AUTO DISMANTLING & SALES	14320 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID:*** CAL000293461	ESE	0.42 / 2,226.77	2	152
47	RECYCLING	Guzman Recycle	14320 W Whitesbridge Ave Kerman CA 93630	ESE	0.42 / 2,226.77	2	153

Executive Summary: Summary by Data Source

Standard

Federal

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Apr 8, 2024 has found that there are 1 RCRA TSD site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
KERMAN AUTO DISMANTLING & SALES	14320 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID**: CAL000293461*	ESE	0.42 / 2,226.77	47

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Apr 8, 2024 has found that there are 1 RCRA LQG site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CVS PHARMACY # 4446	14967 WEST WHITESBRIDGE ROAD KERMAN CA 93630-1111 ***EPA Handler ID**: CAR000232942*	SSW	0.16 / 847.25	30

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Apr 8, 2024 has found that there are 1 RCRA SQG site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BUTCHS AUTO PARTS INC	14695 W WHITESBRIDGE RD KERMAN CA 93630 ***EPA Handler ID**: CAD982512568*	SSE	0.14 / 761.97	25

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Apr 8, 2024 has found that there are 15 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
7 ELEVEN 37960	15000 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID**: CAL000418938*	SW	0.12 / 608.38	4
ARCO STORE #3618	15000 W WHITESBRIDGE AVE KERMAN CA 93630-1030 ***EPA Handler ID**: CAL000383978*	SW	0.12 / 608.38	4

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
KERMAN MOBILE HOMES INC	14754 W WHITESBRIDGE AVE KERMAN CA 93630-1110 ***EPA Handler ID**: CAL000336734*	S	0.12 / 614.45	7
FRESHBARGAINS LLC DBA GROCERY OUTLET OF KERMAN	14868 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID**: CAL000475997*	S	0.12 / 615.41	9
H&J CHEVROLET	14680 W WHITESBRIDGE KERMAN CA 93630-0000 ***EPA Handler ID**: CAL000024088*	SE	0.12 / 625.97	11
GILL MOTORS KERMAN INC DBA GILL CHEVROLET	14680 W WHITEBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID**: CAL000474552*	SE	0.12 / 635.98	16
FAMILY DOLLAR INC #10017	15070 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID**: CAL000376032*	SW	0.13 / 666.88	19
MCDONALD'S CORP.	15100 W. WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID**: CAC003100570*	SW	0.13 / 706.09	20
AUTOZONE #5324	14923 WHITESBRIDGE RD KERMAN CA 93630 ***EPA Handler ID**: CAL000356836*	S	0.14 / 763.51	26
KERMAN SHOPPING PLAZA, LLC	15160 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID**: CAC002980355*	SW	0.15 / 794.43	29
DOLLAR TREE #02955	15156 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID**: CAL000390940*	SW	0.15 / 794.43	29
KERMAN DIALYSIS CENTER LLC	14945 W WHITESBRIDGE AVE KERMAN CA 93630-1111 ***EPA Handler ID**: CAL000409483*	SSW	0.16 / 847.78	31
O'REILLY AUTO PARTS #3921	15196 W WHITESBRIDGE AVE KERMAN CA 93630 ***EPA Handler ID**: CAL000393420*	SW	0.18 / 937.37	33
LUPE FLORES	15057 W. WHITESBRIDGE KERMAN CA 93630 ***EPA Handler ID**: CAC003077989*	SW	0.20 / 1,073.53	35
HARI JACOB DDS	184 S MADERA AVE KERMAN CA 93630 ***EPA Handler ID**: CAL000272741*	SSW	0.24 / 1,293.51	39

State

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Sep 25, 2024 has found that there are 1 ENVIROSTOR site(s) within approximately 1.00miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
KERMAN PROPOSED ELEMENTARY SCHOOL & HIGH SCHOOL ATHLETIC FACILITIES	NORTHWEST CORNER OF WHITESBRIDGE & MADERA AVENUES KERMAN CA 93630	WSW	0.27 / 1,447.94	41
	***Estor/EPA ID** | **Cleanup Status**: 60002320 | NO FURTHER ACTION AS OF 10/7/2016*			

C&D DEBRIS RECY - Construction and Demolition Debris Recyclers

A search of the C&D DEBRIS RECY database, dated Jun 20, 2018 has found that there are 2 C&D DEBRIS RECY site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
O'REILLY AUTO PARTS #3921	15196 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.18 / 937.37	33
SMITH AUTO PARTS-KERMAN	187 S MADERA AVE KERMAN CA 93630	SSW	0.26 / 1,360.19	40

RECYCLING - Recycling Centers

A search of the RECYCLING database, dated Oct 5, 2024 has found that there are 1 RECYCLING site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Guzman Recycle	14320 W Whitesbridge Ave Kerman CA 93630	ESE	0.42 / 2,226.77	47

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Jul 4, 2024 has found that there are 1 LUST site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ARCO (BEACON) #618	15000 WHITES BRIDGE W KERMAN CA 93630	SW	0.12 / 608.38	4
	***Global ID** | **Status**: T0601900027 |*			

UST - Permitted Underground Storage Tank (UST) in GeoTracker

A search of the UST database, dated Nov 17, 2024 has found that there are 3 UST site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
7-ELEVEN INC. #37960	15000 W Whitesbridge Ave Kerman CA 93630	SW	0.12 / 608.38	4
	***Facility ID**: FA00170271* ***Tank ID No. | Tank Status | Tank Closure Date**: 3618-3 | Confirmed/Updated Information | , 3618-2 | Confirmed/Updated Information | , 3618-1 | Confirmed/Updated Information |*			
Kerman Food Mart	14859 W Whitesbridge Ave Kerman CA 93630	S	0.14 / 759.11	24
	***Tank ID No. | Tank Status | Tank Closure Date**: 3 | New Permit | , 2 | New Permit | , 4 | New Permit | , 1 | New Permit |*			
KERMAN CAR WASH INC	127 S MADERA AVE KERMAN CA 93630	SSW	0.17 / 882.17	32
	***Facility ID**: FA0169968* ***Tank ID No. | Tank Status | Tank Closure Date**: TY000603 | Confirmed/Updated Information | , TY000602 | Confirmed/Updated Information | , TY000601 | Confirmed/Updated Information |*			

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 9 HHSS site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ELANORA VALLANDINGHAM	447 NO. MADERA AVE KERMAN CA 93630	NW	0.05 / 272.57	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
KERMAN ARCO	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	4
91911	14980 W. WHITESBRIDGE KERMAN CA 93630	SSW	0.12 / 612.52	6
MACK LAZARUS MOBILHOMES	14754 W. WHITESBRIDGE RD. KERMAN CA 93630	S	0.12 / 614.45	7
FRASER SUPPLY INC	14902 W. WHITESBRIDGE RD. KERMAN CA 93630	S	0.12 / 615.13	8
H/J CHEVROLET INC	14680 W WHITESBRIDGE RD KERMAN CA 93630	SSE	0.12 / 629.15	12
BEACON STATION 555	14985 W. WHITESBRIDGE KERMAN CA 93630	SSW	0.15 / 777.11	28
KERMAN CAR WASH	127 S. MADERA AVE KERMAN CA 93630	SSW	0.17 / 882.17	32

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
JAY RAY BLAIR	15175 W. NIELSEN KERMAN CA 93630	NW	0.21 / 1,133.27	37

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 10 UST SWEEPS site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ELANORA VALLANDINGHAM	447 N MADERA AVE KERMAN CA ***C C	Status**: *A10-000-22684	ACTIVE* ***Tank ID**: *000001*	NW	0.05 / 272.57	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHEVRON	14980 W WHITESBRIDGE KERMAN CA ***C C	Status**: *I10-000-62164	INACTIVE* ***Tank ID**: *000002, 000004, 000003, 000001*	SSW	0.12 / 612.52	6
MACK LAZARUS MOBILE HOMES	14754 W WHITESBRIDGE RD KERMAN CA ***C C	Status**: *I10-000-39066	INACTIVE* ***Tank ID**: *000002, 000001, 000003*	S	0.12 / 614.45	7
FRASER SUPPLY, INC.	14902 W WHITESBRIDGE RD KERMAN CA ***C C	Status**: *A10-000-37780	ACTIVE* ***Tank ID**: *000001, 000002, 000003*	S	0.12 / 615.13	8
H & J CHEVROLET	14680 W WHITESBRIDGE KERMAN CA ***C C	Status**: *A10-000-266	ACTIVE* ***Tank ID**: *000001*	SE	0.12 / 625.97	11
ARCO-BEACON #618	15000 W WHITESBRIDGE ROAD KERMAN CA ***C C	Status**: *A10-000-10707	ACTIVE* ***Tank ID**: *000003, 000001, 000002, 000004*	SW	0.12 / 630.68	14
ARCO BEACON #618	15000 W WHITESBRIDGE RD KERMAN CA ***C C	Status**: *A10-000-63666	ACTIVE* ***Tank ID**: *000001, 000003, 000004, 000002*	SW	0.12 / 630.68	14
BEACON STATION #555	14985 W WHITESBRIDGE KERMAN CA ***C C	Status**: *A10-000-42186	ACTIVE* ***Tank ID**: *000003, 000001, 000002*	SSW	0.15 / 777.11	28
KERMAN CAR WASH	127 S MADERA AVE KERMAN CA ***C C	Status**: *A10-000-52261	ACTIVE* ***Tank ID**: *000002, 000003, 000001*	SSW	0.17 / 882.17	32

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BLAIR APIARIES	15175 W NIELSEN KERMAN CA ***C C	Status**: *A10-000-48906	ACTIVE* ***Tank ID**: *000001, 000002*	NW	0.21 / 1,133.27	37

DELISTED TNK - Delisted Storage Tanks

A search of the DELISTED TNK database, dated Nov 17, 2024 has found that there are 3 DELISTED TNK site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ARCO #3618	15000 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.12 / 608.38	4
KERMAN CAR WASH	127 MADERA AVE S KERMAN CA 93630	SSW	0.17 / 882.17	32
KERMAN U SAVE MINI MART	200 MADERA AVE S KERMAN CA 93630	S	0.22 / 1,162.02	38

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Oct 28, 2024 has found that there are 3 CERS TANK site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
7-ELEVEN INC. #37960	15000 W WHITESBRIDGE AVE KERMAN CA 93630 ***Site ID**: *21738*	SW	0.12 / 608.38	4
Kerman Food Mart	14859 W WHITESBRIDGE AVE KERMAN CA 93630 ***Site ID**: *615772*	S	0.14 / 759.11	24
KERMAN CAR WASH INC	127 S MADERA AVE KERMAN CA 93630 ***Site ID**: *378685*	SSW	0.17 / 882.17	32

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 9 HIST TANK site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
91911	14980 W. WHITESBRIDGE KERMAN CA	SSW	0.11 / 604.50	3
KERMAN ARCO	15000 W WHITESBRIDGE KERMAN CA	SW	0.12 / 608.38	4

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FRASER SUPPLY, INC.	14902 W. WHITESBRIDGE RD. KERMAN CA	S	0.12 / 612.01	5
MACK LAZARUS MOBILHOMES	14754 W. WHITESBRIDGE RD. KERMAN CA	S	0.12 / 615.83	10
H/J CHEVROLET, INC.	14680 W WHITEBRIDGE RD KERMAN CA	SSE	0.12 / 629.15	12
KERMAN CAR WASH	127 S. MADERA AVE KERMAN CA	SSW	0.14 / 712.90	21
ELANORA VALLANDINGHAM	447 NO. MADERA AVE KERMAN CA	WNW	0.15 / 765.84	27
BEACON STATION #555	14985 W. WHITESBRIDGE KERMAN CA	SSW	0.15 / 777.11	28
JAY RAY BLAIR	15175 W. NIELSEN KERMAN CA	NW	0.18 / 942.09	34

CLEANUP SITES - GeoTracker Cleanup Program Sites

A search of the CLEANUP SITES database, dated Jul 4, 2024 has found that there are 1 CLEANUP SITES site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNITED AGRI PRODUCTS	14451 W. WHITESBRIDGE RD. KERMAN CA 93630-9216 ***Global ID**: SLT5FU221099*	ESE	0.32 / 1,667.49	42

County

CUPA FRESNO - Fresno County - CUPA/Solid Waste Programs Resource List

A search of the CUPA FRESNO database, dated Jun 28, 2021 has found that there are 18 CUPA FRESNO site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
7-ELEVEN #37960	15000 W WHITESBRIDGE AVE NW CORNER KERMAN CA 93630	SW	0.12 / 608.38	4

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHEVRON	14980 W WHITESBRIDGE KERMAN CA 93630	SSW	0.12 / 612.52	6
KERMAN MOBILE HOMES	14754 W WHITESBRIDGE AVE KERMAN CA 93630	S	0.12 / 614.45	7
H&J CHEVROLET	14680 W WHITESBRIDGE KERMAN CA 93630	SE	0.12 / 625.97	11
GLEN RUDOLPH AUTO BODY	14703 W WHITESBRIDGE KERMAN CA 93630	SSE	0.12 / 630.50	13
AUTOZONE #5324	15010 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 634.06	15
WHITESBRIDGE VALERO	14859 W WHITESBRIDGE RD KERMAN CA 93630	S	0.12 / 637.80	17
FAMILY DOLLAR STORE #10017	15070 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.13 / 666.88	19
AUTOZONE #5324	14923 W WHITESBRIDGE AVE KERMAN CA 93630	S	0.14 / 750.71	23
BUTCH'S AUTO PARTS & MACH SHOP	14695 W WHITESBRIDGE KERMAN CA 93630	SSE	0.14 / 761.97	25
BEACON #555	14985 W WHITESBRIDGE AVE KERMAN CA 93630	SSW	0.15 / 777.11	28
DOLLAR TREE #02955	15156 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.15 / 794.43	29
CVS PHARMACY #4446	14967 W WHITESBRIDGE AVE KERMAN CA 93630	SSW	0.16 / 847.25	30
GARFIELD BEACH CVS LLC	14967 W WHITESBRIDGE RD KERMAN CA 93630	SSW	0.16 / 847.25	30

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
KERMAN CAR WASH	127 S MADERA AVE S OF KERMAN CA 93630	SSW	0.17 / 882.17	32
FORMER RITE AID #5853	15196 W WHITESBRIDGE AVE NW CORNER KERMAN CA 93630	SW	0.18 / 937.37	33
O'REILLY AUTO PARTS #3921	15196 W WHITESBRIDGE AVE KERMAN CA 93630	SW	0.18 / 937.37	33
BLAIR APIARIES	15175 W NIELSEN KERMAN CA 93630	NW	0.21 / 1,133.27	37

Non Standard

Federal

PFAS IND - PFAS Industry Sectors

A search of the PFAS IND database, dated Sep 23, 2024 has found that there are 3 PFAS IND site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
GOLDEN STATE MW INC	KERMAN CA	ESE	0.33 / 1,752.09	44

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
VILLARREAL TRUCKING	KERMAN CA	SE	0.32 / 1,674.81	43
AGUILARS TRUCKING JOSE ROBERTO AGUILAR	KERMAN CA	SSE	0.35 / 1,827.87	46

HMIRS - Hazardous Materials Information Reporting System

A search of the HMIRS database, dated May 29, 2024 has found that there are 1 HMIRS site(s) within approximately 0.12miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	15000 West Whitesbridge Ave Kerman CA	SW	0.12 / 630.68	14

ALT FUELS - Alternative Fueling Stations

A search of the ALT FUELS database, dated Aug 29, 2024 has found that there are 2 ALT FUELS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
76	15000 W Whitesbridge Ave Kerman CA 93630 ***ID**: 240313*	SW	0.12 / 608.38	4
Kerman Unified School District - District Office	15218 W Whitesbridge Ave Kerman CA 93630 ***ID**: 153112*	SW	0.20 / 1,076.50	36

PCB - Polychlorinated Biphenyl (PCB) Notifiers

A search of the PCB database, dated May 23, 2024 has found that there are 1 PCB site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
GOLDEN STATE MW INC	14443 W WHITESBRIDGE AVE KERMAN CA 93630 ***Site ID**: CAR000351593*	ESE	0.34 / 1,780.92	45

State

SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Sep 25, 2024 has found that there are 1 SCH site(s) within approximately 1.00miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
KERMAN PROPOSED ELEMENTARY SCHOOL & HIGH SCHOOL ATHLETIC FACILITIES	NORTHWEST CORNER OF WHITESBRIDGE & MADERA AVENUES KERMAN CA 93630 ***Estor/EPA ID	Cleanup Status**: 60002320 | NO FURTHER ACTION AS OF 10/7/2016*	WSW	0.27 / 1,447.94	41

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

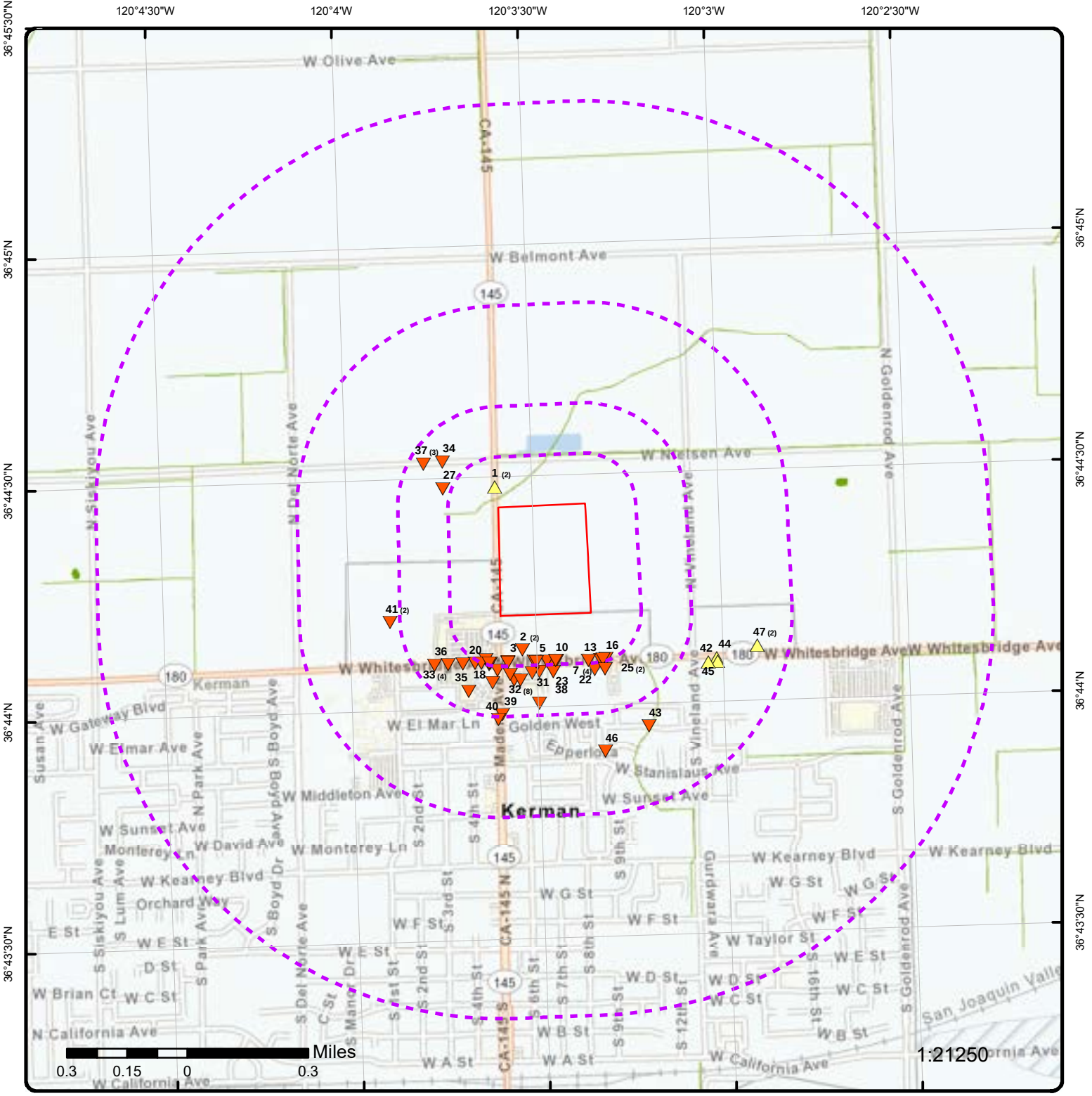
A search of the CERS HAZ database, dated Oct 28, 2024 has found that there are 2 CERS HAZ site(s) within approximately 0.12miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Grocery Outlet of Kerman	14868 W WHITESBRIDGE AVE KERMAN CA 93630	S	0.12 / 615.41	9
H&J CHEVROLET	14680 W WHITESBRIDGE KERMAN CA 93630	SE	0.12 / 625.97	11

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2021 has found that there are 12 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BURGER KING #12426/ I DOUBLE ON NINE INC	14890 WHITESBRIDGE RD KERMAN CA 93630	SSW	0.09 / 458.99	2
BURGER KING #12426/CENTRAL VALLEY GROUP	14890 WHITESBRIDGE RD KERMAN CA 93630	SSW	0.09 / 458.99	2
7- ELEVEN INC	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	4
VALERO CA RETAIL CO DBA ARCO #3618	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	4
CST CALIFORNIA STATIONS INC/CORNER STORE #3618	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	4
BEACON OIL COMPANY #3618	15000 W WHITESBRIDGE KERMAN CA	SW	0.12 / 608.38	4
CST CA STATIONS INC/CORNER STORE #3618	15000 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 608.38	4
CARL'S JR.	15005 W WHITESBRIDGE KERMAN CA 93630	SW	0.12 / 653.06	18
GLENN RUDOLPH'S AUTOBODY	14703 W WHITESBRIDGE RD KERMAN CA 93630	SSE	0.14 / 748.31	22
BEACON #3555	14985 W WHITESBRIDGE KERMAN CA 93630	SSW	0.15 / 777.11	28
KERMAN CARWASH INC	127 S MADERA KERMAN CA 93630	SSW	0.17 / 882.17	32
KERMAN CAR WASH	127 S MADERA KERMAN CA 93630	SSW	0.17 / 882.17	32



Map: 1.0 Mile Radius

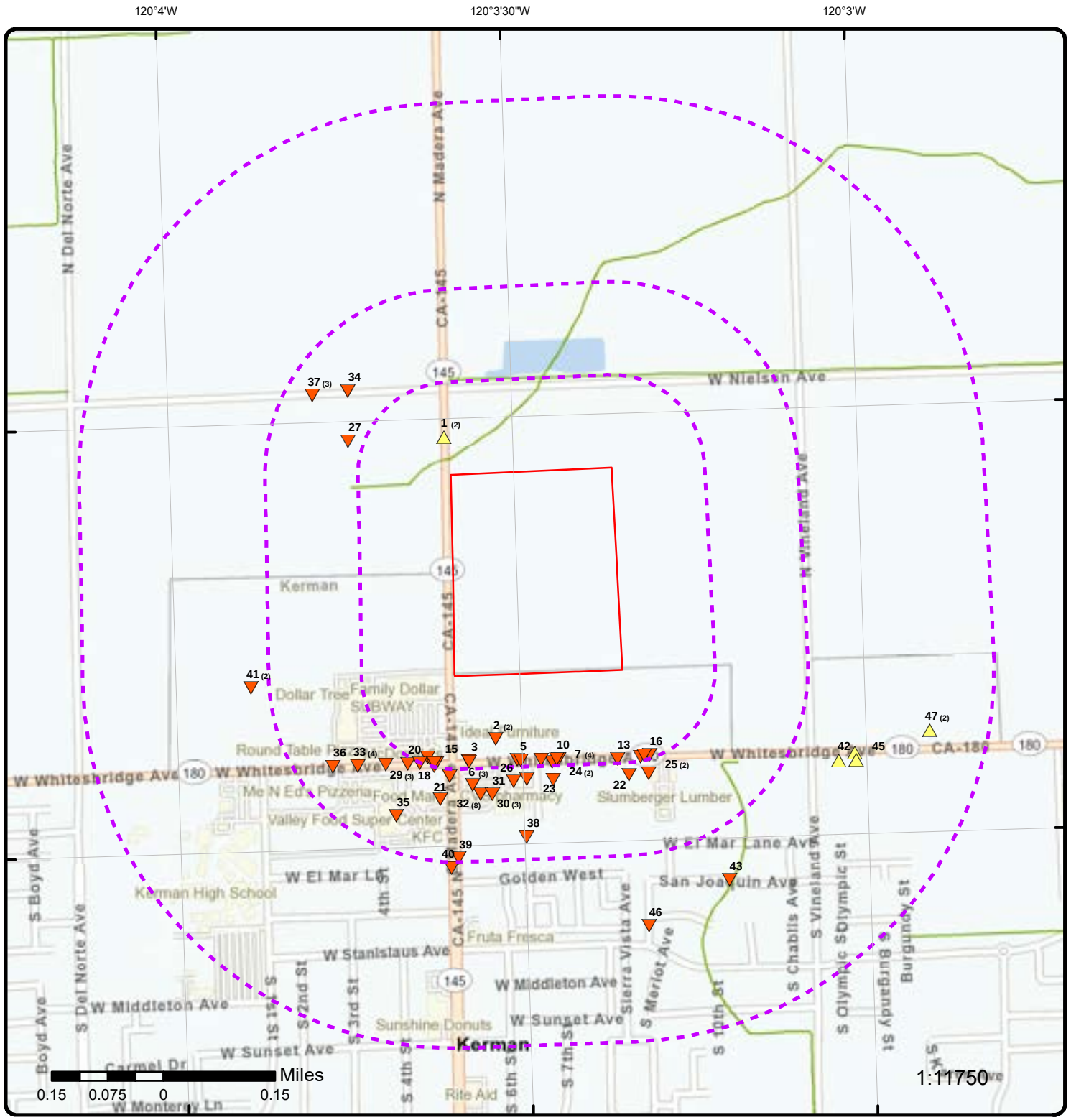
Order Number: 24112200909

Address: 134 N Madera Ave, Kerman, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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Map: 0.5 Mile Radius

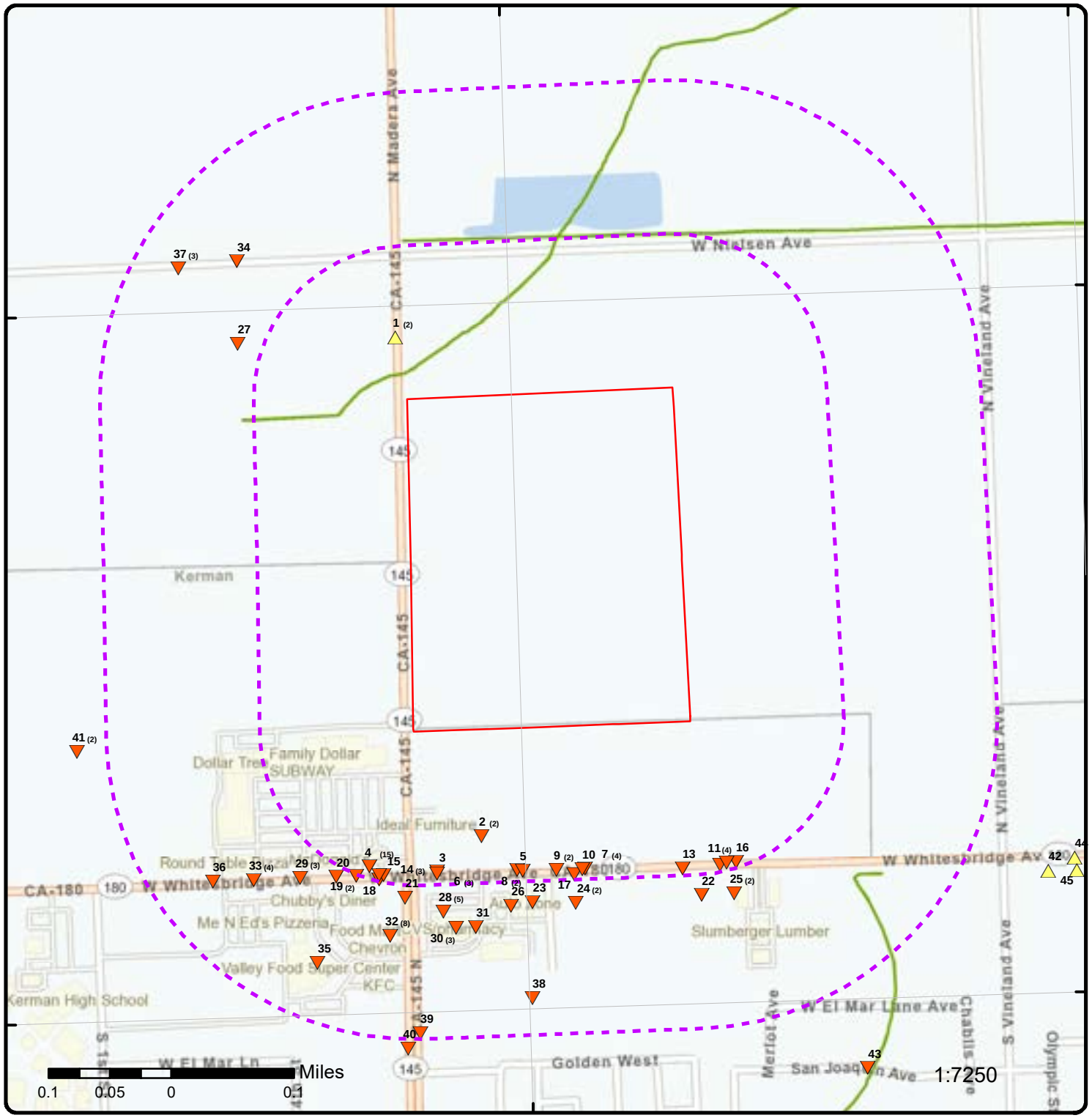
Order Number: 24112200909

Address: 134 N Madera Ave, Kerman, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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Map: 0.25 Mile Radius

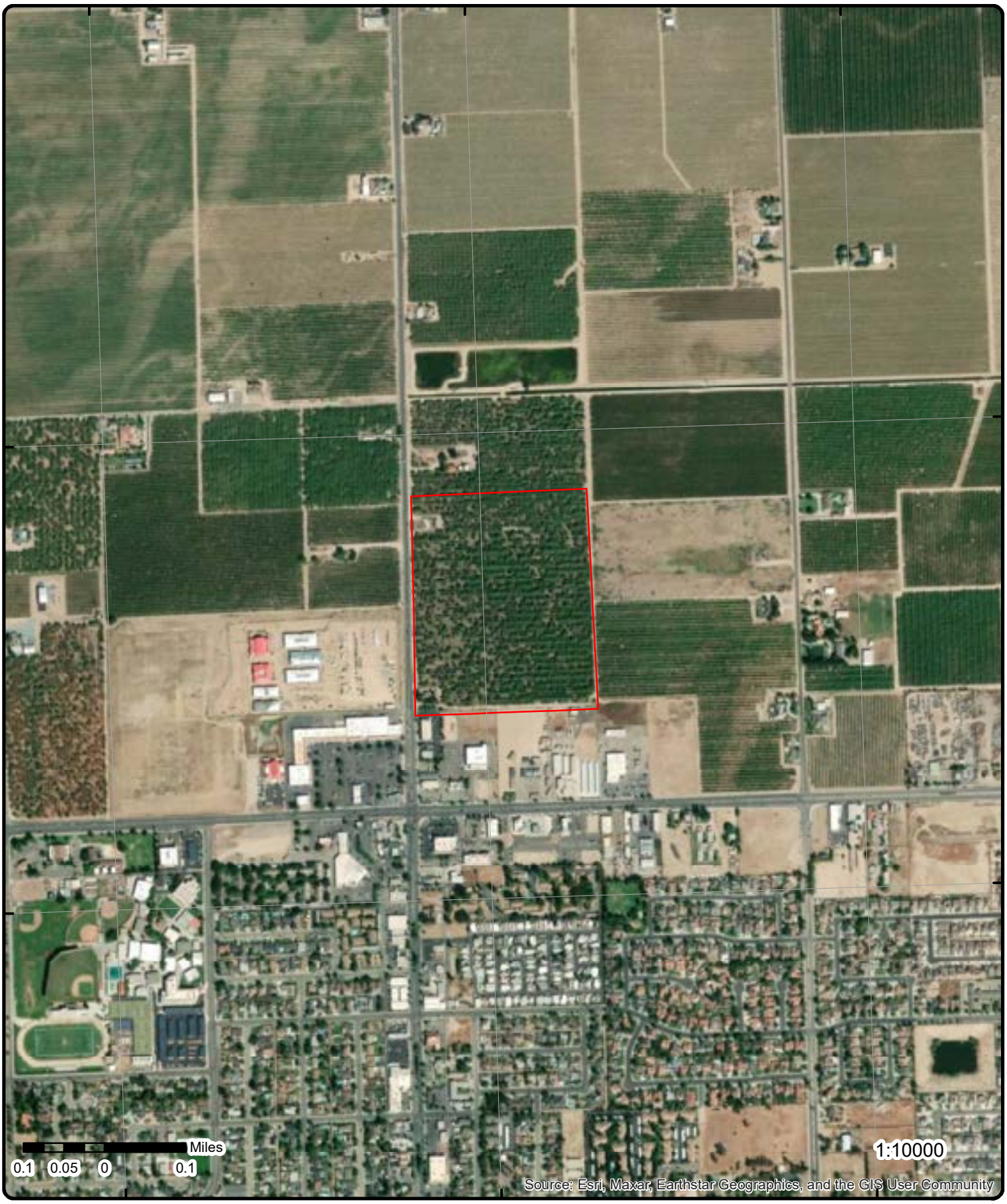
Order Number: 24112200909

Address: 134 N Madera Ave, Kerman, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Aerial **Year: 2023**

Address: 134 N Madera Ave, Kerman, CA

Source: ESRI World Imagery

Order Number: 24112200909

© ERIS Information Inc.



Topographic Map

Year: 2021

Order Number: 24112200909

Address: 134 N Madera Ave, CA

Quadrangle(s): Biola CA, Kerman CA

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of2	NW	0.05 / 272.57	225.29 / 1	ELANORA VALLANDINGHAM 447 NO. MADERA AVE KERMAN CA 93630	HHSS

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00023eca.pdf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of2	NW	0.05 / 272.57	225.29 / 1	ELANORA VALLANDINGHAM 447 N MADERA AVE KERMAN CA	UST SWEEPS

C C:	A10-000-22684	**D Filename:**	SITE09A
BOE:		**Page No:**	300
Comp:	22684	**County:**	FRESNO
Status:	ACTIVE	**State :**	CA
No of Tanks:	1	**Zip:**	93630
Jurisdict:	FRESNO COUNTY	**Latitude:**	36.74155
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-120.060168
Phone:		**Georesult:**	S5HPNTSCZA

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	#1	**Stg:**	P
SWRCB No:	10-000-022684-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	LEADED
Capac:	400	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of2	SSW	0.09 / 458.99	222.61 / -2	BURGER KING #12426/CENTRAL VALLEY GROUP 14890 WHITESBRIDGE RD KERMAN CA 93630	EMISSIONS

2003 Criteria Data

Facility ID:	4106	**CERR Code:**	
Facility SIC Code:	5812	**TOGT:**	.06
CO:	10	**ROGT:**	.04086
Air Basin:	SJV	**COT:**	.00447299998998642
District:	SJU	**NOXT:**	.0200219999551773
COID:	FRE	**SOXT:**	.000617699998617172
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.46
CHAPIS:		**PM10T:**	.13356

2003 Toxic Data

Facility ID:	4106	**COID:**	FRE
Facility SIC Code:	5812	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	

Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

2004 Criteria Data

Facility ID: 4106
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .00826246263996422845691382765531062124 2485
ROGT: .00577215640027901
COT: .000198869815950388
NOXT: .0445090012550354
SOXT: .00137315003871918
PMT: .116775430878014827586206896551724137931
PM10T: .0338648749546243

2004 Toxic Data

Facility ID: 4106
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2005 Criteria Data

Facility ID: 4106
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .00826246263996422845691382765531062124 2485
ROGT: .00577215640027901
COT: .000198869815950388
NOXT: .0445090012550354
SOXT: .00137315003871918
PMT: .116775430878014827586206896551724137931
PM10T: .0338648749546243

2005 Toxic Data

Facility ID: 4106
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2006 Criteria Data

Facility ID:	4106	**CERR Code:**	
Facility SIC Code:	5812	**TOGT:**	.00826246263996422845691382765531062124 2485
CO:	10	**ROGT:**	.00577215640027901
Air Basin:	SJV	**COT:**	.000198869815950388
District:	SJU	**NOXT:**	.0445090012550354
COID:	FRE	**SOXT:**	.00137315003871918
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.116775430878014827586206896551724137931
CHAPIS:		**PM10T:**	.0338648749546243

2006 Toxic Data

Facility ID:	4106	**COID:**	FRE
Facility SIC Code:	5812	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	4106	**CERR Code:**	
Facility SIC Code:	5812	**TOGT:**	.0107579731169929144002290294875465216147
CO:	10	**ROGT:**	.00751552001953125
Air Basin:	SJV	**COT:**	.0100274998247623
District:	SJU	**NOXT:**	.0448849992156029
COID:	FRE	**SOXT:**	.00138474997580051
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.1020426209548424137931034482758620689655
CHAPIS:		**PM10T:**	.0295923600769043

2007 Toxic Data

Facility ID:	4106	**COID:**	FRE
Facility SIC Code:	5812	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	4106	**CERR Code:**	
Facility SIC Code:	5812	**TOGT:**	.00898391107689709418837675350701402805 6112
CO:	10	**ROGT:**	.00627616027832031
Air Basin:	SJV	**COT:**	.0108065995573997
District:	SJU	**NOXT:**	.048372398018837
COID:	FRE	**SOXT:**	.00149233993887901
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.0852151072271937931034482758620689655172

CHAPIS: ***PM10T:*** .0247123810958862

2008 Toxic Data

Facility ID: 4106
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2009 Criteria Data

Facility ID: 4106
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .008983911076897094188376753507014028056112
ROGT: .00627616027832031
COT: .0108065995573997
NOXT: .048372398018837
SOXT: .00149233993887901
PMT: .085215107227193793103448275862068965517 2
PM10T: .0247123810958862

2009 Toxic Data

Facility ID: 4106
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2010 Toxic Data

Facility ID: 4106
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2011 Criteria Data

Facility ID: 4106
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
CERR Code:
TOGT: .0185129117051066418551388491268250787289
ROGT: .0129331201171875
COT: .00770489993691444
NOXT: .034488599717617
SOXT: .00106400999128819

DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.17560055331526137931034482758620689655 17
CHAPIS:		***PM10T:***	.0509241604614258

2011 Toxic Data

Facility ID:	4106	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	4106	***CERR Code:***	
Facility SIC Code:	5812	***TOGT:***	.01851291170510664185513884912682507872 89
CO:	10	***ROGT:***	.0129331201171875
Air Basin:	SJV	***COT:***	.00770489993691444
District:	SJU	***NOXT:***	.034488599717617
COID:	FRE	***SOXT:***	.00106400999128819
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.0509241604614258
CHAPIS:		***PM10T:***	.0509241604614258

2012 Toxic Data

Facility ID:	4106	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	4106	***CERR Code:***	
Facility SIC Code:	5812	***TOGT:***	.01848571428571428571428571428571428571 43
CO:	10	***ROGT:***	.00647
Air Basin:	SJV	***COT:***	.0077
District:	SJU	***NOXT:***	.0344886
COID:	FRE	***SOXT:***	.00106
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.0255
CHAPIS:		***PM10T:***	.0255

2013 Toxic Data

Facility ID:	4106	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2014 Criteria Data

Facility ID:	4106	**CERR Code:**	
Facility SIC Code:	5812	**TOGT:**	.0179318865094866
CO:	10	**ROGT:**	.00627616027832031
Air Basin:	SJV	**COT:**	.00770489993691444
District:	SJU	**NOXT:**	.034488599717617
COID:	FRE	**SOXT:**	.00106400999128819
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.0247123810958862
CHAPIS:		**PM10T:**	.0247123810958862

2014 Toxic Data

Facility ID:	4106	**COID:**	FRE
Facility SIC Code:	5812	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	2 of2	SSW	0.09 / 458.99	222.61 / -2	**BURGER KING #12426/ I DOUBLE ON NINE INC** **14890 WHITESBRIDGE RD** **KERMAN CA 93630**	EMISSIONS

2015 Criteria Data

Facility ID:	4106	**CERR Code:**	
Facility SIC Code:	5812	**TOGT:**	. 0184857142857142857142857142857142857143
CO:	10	**ROGT:**	.00647
Air Basin:	SJV	**COT:**	.0077
District:	SJU	**NOXT:**	.0344886
COID:	FRE	**SOXT:**	.00106
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.0255
CHAPIS:		**PM10T:**	.0255

2015 Toxic Data

Facility ID:	4106	**COID:**	FRE
Facility SIC Code:	5812	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2016 Criteria Data

Facility ID:	4106	**CERR CODE:**	
Facility SIC Code:	5812	**TOGT:**	.

			0133428571428571428571428571428571428571
CO:	10	***ROGT:***	.00467
Air Basin:	SJV	***COT:***	.00869
District:	SJU	***NOXT:***	.0389
COID:	FRE	***SOXT:***	.0012
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.0634482758620689655172413793103448275862
CHAPIS:		***PM10T:***	.0184

2016 Toxic Data

Facility ID:	4106	***TS:***	
Facility SIC Code:	5812	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	FRE	***AH Index:***	
CO:	10	***Air Basin:***	SJV
DISN:	SAN JOAQUIN VALLEY APCD	***District:***	SJU
CHAPIS:			

2017 Criteria Data

Facility ID:	4106	***CERR Code:***	
Facility SIC Code:	5812	***TOGT:***	.0135428571428571428571428571428571428571
CO:	10	***ROGT:***	.00474
Air Basin:	SJV	***COT:***	.00867
District:	SJU	***NOXT:***	.0388
COID:	FRE	***SOXT:***	.0012
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.0644827586206896551724137931034482758621
CHAPIS:		***PM10T:***	.0187

2017 Toxic Data

Facility ID:	4106	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	4106	***CERR Code:***	
Facility SIC Code:	5812	***TOGT:***	.0122
CO:	10	***ROGT:***	.00427
Air Basin:	SJV	***COT:***	.00662
District:	SJU	***NOXT:***	.0296
COID:	FRE	***SOXT:***	.000915
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.0579310344827586206896551724137931034483
CHAPIS:		***PM10T:***	.0168

2018 Toxic Data

Facility ID:	4106	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
Facility ID:	4106	***ROGT:***	.0012
District:	SJU	***COT:***	.0077
Facility SIC Code:	5812	***NOXT:***	.0344886
CO ID:	FRE	***SOXT:***	.00106
DISN:	SAN JOAQUIN VALLEY APCD		
PM10T:	.00474		
TOGT:	.003428571428571428571428571428571428571429		
PMT:	.0163448275862068965517241379310344827586		

2019 Toxic Data

CO:	10	***DISN:***	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	***CHAPIS:***	
Faccility ID:	4106	***CERR Code:***	
District:	SJU	***TS:***	
Facility SIC Code:	5812	***Health Risk Asmt:***	
COID:	FRE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2020 Criteria Data

CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
Facility ID:	4106	***ROGT:***	.00464
District:	SJU	***COT:***	.00821
Facility SIC Code:	5812	***NOXT:***	.0367
CO ID:	FRE	***SOXT:***	.00113
DISN:	SAN JOAQUIN VALLEY APCD		
TOGT:	.0132571428571428571428571428571428571429		
PMT:	.063		
PM10T:	.01827		

2020 Toxic Data

CO:	10	***DISN:***	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	***CHAPIS:***	
Facility ID:	4106	***CHERR Code:***	
District:	SJU	***TS:***	
Facility SIC Code:	5812	***Health Risk Asmt:***	
COID:	FRE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2021 Toxic Data

Co:	10	***DISN:***	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	***CHAPIS:***	
Facility ID:	4106	***Cerr Code:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District: SJU
Facility SIC Code: 5812
COID: FRE
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
TS:
Health Risk Asmt:

2021 Criteria Data

Co: 10
Air Basin: SJV
Facility ID: 4106
District: SJU
Facility SIC Code: 5812
CO ID: FRE
DISN: SAN JOAQUIN VALLEY APCD
TOGT: .0132571428571428571428571428571429
PMT: .063
PM10T: .00488
CHAPIS:
Cerr Code:
ROGT: .00124
COT: .00583
NOXT: .0261
SOXT: .000804

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of1	SSW	0.11 / 604.50	222.34 / -2	91911 14980 W. WHITESBRIDGE KERMAN CA	HIST TANK

Owner Name: CHEVRON U.S.A. INC.
Owner Street: 575 MARKET
Owner City: FRESNO
Owner State: CA
Owner Zip: 94105
No of Containers: 4
County: FRESNO
Facility State: CA
Facility Zip: 93630

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of15	SW	0.12 / 608.38	222.53 / -2	ARCO #3618 15000 W WHITESBRIDGE AVE KERMAN CA 93630	DELISTED TNK

Delisted Storage Tanks

Facility ID: FA0170271
Latitude: 36.7365575
Longitude: -120.0591941
Permitting Agency: FRESNO COUNTY
County: Fresno
Original Source: UST
Record Date: 30-JAN-2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of15	SW	0.12 / 608.38	222.53 / -2	ARCO (BEACON) #618 15000 WHITES BRIDGE W KERMAN CA 93630	LUST

Global ID: T0601900027
Site Facility Type: LUST CLEANUP SITE
Site Fac Type (SRCH): LUST CLEANUP SITE
Status:
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL): Completed - Case Closed
Status Date (DL): 7/12/2001
Cleanup Status: COMPLETED - CASE CLOSED
Site Facility Name (SRCH): ARCO (BEACON) #618
Address (SRCH): 15000 WHITES BRIDGE W
City (SRCH): KERMAN
Zip (SRCH): 93630
County (SRCH): FRESNO
Street No (DL): 15000
Street Name (DL): WHITES BRIDGE W
City (DL): KERMAN
Zip (DL): 93630
County (DL): Fresno
Case Type (DL): LUST Cleanup Site
Oil Field (SRCH):
Oil Field Oper (SRCH):
Census Tract (SRCH): 6019004001
Latitude (DL): 36.732509
Longitude (DL): -120.0627435
RWQCB Region (DL): CENTRAL VALLEY RWQCB (REGION 5F)

State (DL):	CA
Business Name (DL):	ARCO (BEACON) #618
Site Facility Name:	ARCO (BEACON) #618
Address :	15000 WHITES BRIDGE W
City :	KERMAN
Zip :	93630
County :	FRESNO
Report Source:	GeoTracker Search Results (SRCH);GeoTracker Sites Data Download (DL);GeoTracker Search Results Report

GeoTracker Sites Data Download - Site Details

CUF Case:	NO
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5F)
Case Worker:	JWH
Local Agency:	FRESNO COUNTY
RB Case No:	5T10000028
Local Case No:	FA0170271
File Location:	
Potential COC:	Gasoline
Potential Media of Concern:	Aquifer used for drinking water supply
Begin Date:	3/21/1985
How Discovered:	Tank Tightness Test
How Discovered Description:	
Stop Method:	
Stop Description:	
Calwater Watershed Name:	South Valley Floor - Fresno (551.30)
DWR GW Subbasin Name:	San Joaquin Valley - Kings (5-022.08)
Disadvantaged Community:	
CalEnvScreen Score:	
Coordinate Source:	* Historical Geocode - Zip Code Match
Discharge Cause:	Overfill
Discharge Source:	Piping
EPA Region:	9
Leak Reported Dt:	1988-03-30 00:00:00
Military DoD Site:	No
No Further Action Dt:	2001-07-12 00:00:00
Qty Rlsd Gallons:	
Facility Project Sub Type:	
Calenviroscreen 3 Score:	66-70%
Calenviroscreen 4 Score:	75-80%
Site History:	

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type:	Local Agency Caseworker
Contact Name:	FRESNO COUNTY DPH, ENVIRONMENTAL HEALTH DIV
Organization Name:	FRESNO COUNTY
Address:	1221 Fulton Street
City:	Fresno
Email:	environmentalhealth@fresnocountyca.gov
Phone No:	

Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	JEFFREY HANNEL
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5F)
Address:	1685 E STREET
City:	FRESNO
Email:	jhannel@waterboards.ca.gov
Phone No:	

GeoTracker Sites Data Download - Status History

Status:	Completed - Case Closed
Status Date:	7/12/2001

Status: Open - Site Assessment
Status Date: 10/8/1987

Status: Open - Case Begin Date
Status Date: 3/21/1985

GeoTracker Search - Regulatory Profile (as of June 5, 2024)

Site Facility Name: ARCO (BEACON) #618
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 15000 WHITES BRIDGE W
City: KERMAN
Zip: 93630
County: FRESNO
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0601900027
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/12/2001
Project Status:
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0601900027&tabname=regulatoryhistory
Potential COC: GASOLINE
Potential Media of Concern: AQUIFER USED FOR DRINKING WATER SUPPLY
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC, REC_1, REC_2
DWR GW Sub Basin: San Joaquin Valley - Kings (5-022.08)
Calwater Watershed Name: South Valley Floor - Fresno (551.30)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: CENTRAL VALLEY RWQCB (REGION 5F) (LEAD) - CASE #: 5T10000028
CASE MANAGER: JEFFREY HANNEL
FRESNO COUNTY - CASE #: FA0170271
CASE MANAGER: FRESNO COUNTY DPH, ENVIRONMENTAL HEALTH DIV
CUF Claim No:
CUF Priority Assig:
CUF Amount Paid:
WDR Place Type:
WDR File No:
WDR Order No:
Project Oversight Agencies:
Facility Type:
Composting Method:
Grndwtr Monitoring Frequency:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, Water Contact Recreation, Non-Contact Water Recreation
Site History:

No site history available

GeoTracker Search - Cleanup Status History (as of June 5, 2024)

Status: Completed - Case Closed
Date : 7/12/2001

Status: Open - Site Assessment
Date : 10/8/1987

Status: Open - Case Begin Date
Date : 3/21/1985

GeoTracker Search - Regulatory Activities (as of June 5, 2024)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 7/12/2001
Received Issue Date: 7/12/2001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0601900027&enforcement_id=6521189&temptable=ENFORCEMENT

Title Description Comments:

Arco Station Case Closure

Action Type: Leak Action
Action: Leak Reported
Action Date: 3/30/1988
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 4/30/1985
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 3/21/1985
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of June 5, 2024)

Document Type: Site Documents
Type: CLOSURE/NO FURTHER ACTION LETTER
Submitted By: MICHEALE EASLEY (REGULATOR)
Title: ARCO STATION CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0601900027&enforcement_id=6521189
Document Date: 7/12/2001
Submitted:

4	3 of15	SW	0.12 / 608.38	222.53 / -2	7-ELEVEN #37960 15000 W WHITESBRIDGE AVE NW CORNER KERMAN CA 93630	CUPA FRESNO

Facility ID: FA0170271
CERS ID: 10407928
SWIS No:
APN: 02012022S
Zip: 93630
GIS Longitude: -120.060543551
GIS Latitude: 36.7351608569
Cross Street: MADERA

Detail(s)

Program Element: UST REMOVAL/CLOSURE W/4 TANKS
Program Identifier:

Program Element: UST FACILITY WITH 1 TO 3 TANKS
Program Identifier:

Program Element: MV FUEL/OIL/PROPANE ONLY IN AGST/UST MODEL PL
Program Identifier:

Program Element: FORMER CONTAMINATED SITE/NO FURTHER ACTION
Program Identifier:

4	4 of15	SW	0.12 / 608.38	222.53 / -2	KERMAN ARCO 15000 W WHITESBRIDGE	HHSS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					KERMAN CA 93630	

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024c0d.pdf

4	5 of15	SW	0.12 / 608.38	222.53 / -2	7-ELEVEN INC. #37960 15000 W WHITESBRIDGE AVE KERMAN CA 93630	CERS TANK

Site ID: 21738
Latitude: 36.735300
Longitude: -120.060700

Regulated Programs

EI ID: 10407928
EI Description: Chemical Storage Facilities

EI ID: 10407928
EI Description: Underground Storage Tank

EI ID: 10407928
EI Description: Hazardous Waste Generator

Violations

Violation Date: 02/08/2017
Violation Source: CERS
Violation Program: UST
Violation Division: Fresno County Department of Public Health
Citation: 23 CCR 16 2632, 2634, 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2712(b)
Violation Notes:

Returned to compliance on 02/08/2017. Diesel

Violation Description:

Failure to maintain monitoring and maintenance records (e.g., alarm logs) and/or maintain records of appropriate follow-up actions.

Violations

Violation Date: 02/16/2023
Violation Source: CERS
Violation Program: UST
Violation Division: Fresno County Department of Public Health
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Notes:

Returned to compliance on 02/27/2023. 51. VIOLATION: Failure to operate the UST system to prevent spills and/or overfills. (HSC 6.7 25292.1(a)) OBSERVATION: Owner/Operator did not operate UST system to prevent spills and/or overfills. - Observed a slight leak under diesel dispenser #11. There was product observed inside the UDC. The area around the dispenser shows signs of product spill. CORRECTIVE ACTION: Operate UST system to prevent spills and/or overfills. Submit verification.

Violation Description:

Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.

Violations

Violation Date: 02/09/2022
Violation Source: CERS
Violation Program: UST
Violation Division: Fresno County Department of Public Health
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Notes:

51. VIOLATION: Failure to operate the UST system to prevent spills and/or overfills. (HSC 6.7 25292.1(a)) OBSERVATION: Owner/Operator did not operate UST system to prevent spills and/or overfills. CORRECTIVE ACTION: Operate UST system to prevent spills and/or overfills. Submit verification. The diesel sump at liquid at the beginning of inspection. Removed by technician.

Violation Description:

Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.

Violations

Violation Date: 02/29/2024
Violation Source: CERS
Violation Program: UST
Violation Division: Fresno County Department of Public Health
Citation: HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Notes:

49. VIOLATION: Failure to maintain secondary containment (e.g. failure of secondary containment testing). (HSC 6.7 25290.1(c), 25290.1(e), 25290.2 (c), 25291(a)(2)) OBSERVATION: Secondary containment has not been properly maintained as evidenced by failed secondary containment testing. - SB989 secondary containment testing done on 3/20/23 by Tanknology shows failed results for parts of the UST system. CORRECTIVE ACTION: Repair secondary containment as needed and retest. Notify CUPA of testing and submit results. NOTE: A repair permit was issued for piping repairs in November 2023.

Violation Description:

Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Evaluations

Eval Date: 02/07/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

BP; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/16/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/18/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

BP; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/09/2022
Violations Found: No
Eval General Type: Compliance Evaluation Inspection

Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

No violations observed at the time of inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/08/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 02/09/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC Conducted today. Technician: Landon Zamora, Tanknology Designated Operator: Fredy Soriano; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/08/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/16/2023
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

AMC inspection conducted today. Arrange to correct the noted violations and submit verification to this department. - As per facility's records, SB989 testing was last conducted on 3/24/20. OPE testing was conducted on 10/4/21.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/07/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/29/2024
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

AMC conducted today. - Recent SB989 testing shows failed results. Facility is in the process of repairs and a UST repair permit was issued in 11/2023.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/17/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/18/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/07/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: UST Property Owner Name
Entity Name: Daniel R. Martin
Entity Title:
Address: 2377 W. SHAW AVENUE SUITE 112
City: FRESNO
State: CA
Country: United States
Zip Code: 93711-3438
Phone: (559) 225-6502

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
City: DALLAS
State: TX
Country:
Zip Code: 75221

Phone:

Affil Type Desc: Identification Signer
Entity Name: TERESA MILES
Entity Title: SENIOR MANAGER, ENVIRONMENTAL COMPLIANCE WEST
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: UST Permit Applicant
Entity Name: STEPHEN BOYD
Entity Title: REGIONAL GASOLINE ENVIRONMENTAL COMPLIANCE MANAGER
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 771-5484

Affil Type Desc: UST Tank Owner
Entity Name: 7-ELEVEN INC.
Entity Title:
Address: P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
City: DALLAS
State: TX
Country: United States
Zip Code: 75221
Phone: (800) 828-0711

Affil Type Desc: Operator
Entity Name: AIT VENTURE INC.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (559) 846-8408

Affil Type Desc: CUPA District
Entity Name: Fresno County Community Health Department
Entity Title:
Address: 1221 Fulton St., 3rd FloorP.O. Box 11867
City: Fresno
State: CA
Country:
Zip Code: 93775
Phone: (559) 600-3271

Affil Type Desc: Property Owner
Entity Name: Daniel R. Martin
Entity Title:
Address: 2377 W. SHAW AVE STE 112
City: FRESNO
State: CA
Country: United States
Zip Code: 93711
Phone: (559) 225-6502

Affil Type Desc: Environmental Contact
Entity Name: SEAN AUGUSTINE
Entity Title:
Address: P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
City: DALLAS
State: TX
Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Zip Code: 75221
Phone:

Affil Type Desc: Parent Corporation
Entity Name: 7-ELEVEN INC.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: UST Tank Operator
Entity Name: AIT VENTURE INC.
Entity Title:
Address: P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
City: DALLAS
State: TX
Country: United States
Zip Code: 75221
Phone: (559) 846-8408

Affil Type Desc: Document Preparer
Entity Name: BELSHIRE ENVIRONMENTAL SERVICES, INC.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: 7-ELEVEN INC.
Entity Title:
Address: P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
City: DALLAS
State: TX
Country: United States
Zip Code: 75221
Phone: (800) 828-0711

Coordinates

Env Int Type Code: HWG
Program ID: 10407928
Latitude: 36.735161
Longitude: -120.060547
Coord Name:
Ref Point Type Desc: Unknown

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	6 of15	SW	0.12 / 608.38	222.53 / -2	7-ELEVEN INC. #37960 15000 W Whitesbridge Ave Kerman CA 93630	UST

Facility ID: FA00170271
CERS ID: 10407928
County: Fresno
Permitting Agency: 7000
Site Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search
Latitude: 36.7353
Longitude: -120.0607
CalEnviroScrn 4 Pct: 75-80%

Tank Details

Epa Region: 9
No. of Closed UST: 0
No. of Inuse UST:
Tank Closure Date:
Tank Configuration: Stand Alone Tank
Tank Contents: Diesel

No. of Oos UST:	0	**Tank Cp Impr Curr:**	No
Owner Type:	Non-Government	**Tank Cp Shutoff:**	Yes
Tank ID No.:	3618-3	**Tank Installatn Dt:**	4/1/1998 12:00:00 AM
Tank Status:	Confirmed/Updated Information	**Tank No of Compart:**	1
Tank Type:	Double Wall	**Tank Pc Constructn:**	Steel
Tank Alarms:	No	**Tank Spill Bucket:**	Yes
Tank Ball Float:	No	**Tribal Lands:**	No

Tank Operator Name:	AIT VENTURE INC.
Tank Operator Mail Address:	P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
Tank Operator Mail City:	DALLAS
Tank Operator Mail State:	TX
Tank Operator Mail Zip:	75221
Tank Owner Name:	7-ELEVEN INC.
Tank Owner Mailing Address:	P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
Tank Owner Mailing City:	DALLAS
Tank Owner Mailing State:	TX
Tank Owner Mailing Zip:	75221
Tank Capacity Gallons:	10000
Tank Piping Construction:	Double Walled
Tank Piping Type:	Pressure
Tank Pw Piping Construction:	Fiberglass
Tank Sacrificial Anode:	No

Tank Details

Epa Region:	9	**Tank Closure Date:**	
No. of Closed UST:	0	**Tank Configuration:**	Stand Alone Tank
No. of Inuse UST:		**Tank Contents:**	Premium Unleaded
No. of Oos UST:	0	**Tank Cp Impr Curr:**	No
Owner Type:	Non-Government	**Tank Cp Shutoff:**	Yes
Tank ID No.:	3618-2	**Tank Installatn Dt:**	4/1/1998 12:00:00 AM
Tank Status:	Confirmed/Updated Information	**Tank No of Compart:**	1
Tank Type:	Double Wall	**Tank Pc Constructn:**	Steel
Tank Alarms:	No	**Tank Spill Bucket:**	Yes
Tank Ball Float:	No	**Tribal Lands:**	No

Tank Operator Name:	AIT VENTURE INC.
Tank Operator Mail Address:	P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
Tank Operator Mail City:	DALLAS
Tank Operator Mail State:	TX
Tank Operator Mail Zip:	75221
Tank Owner Name:	7-ELEVEN INC.
Tank Owner Mailing Address:	P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
Tank Owner Mailing City:	DALLAS
Tank Owner Mailing State:	TX
Tank Owner Mailing Zip:	75221
Tank Capacity Gallons:	15000
Tank Piping Construction:	Double Walled
Tank Piping Type:	Pressure
Tank Pw Piping Construction:	Fiberglass
Tank Sacrificial Anode:	No

Tank Details

Epa Region:	9	**Tank Closure Date:**	
No. of Closed UST:	0	**Tank Configuration:**	Stand Alone Tank
No. of Inuse UST:		**Tank Contents:**	Regular Unleaded
No. of Oos UST:	0	**Tank Cp Impr Curr:**	No
Owner Type:	Non-Government	**Tank Cp Shutoff:**	Yes
Tank ID No.:	3618-1	**Tank Installatn Dt:**	4/1/1998 12:00:00 AM
Tank Status:	Confirmed/Updated Information	**Tank No of Compart:**	1
Tank Type:	Double Wall	**Tank Pc Constructn:**	Steel
Tank Alarms:	No	**Tank Spill Bucket:**	Yes
Tank Ball Float:	No	**Tribal Lands:**	No

Tank Operator Name:	AIT VENTURE INC.
Tank Operator Mail Address:	P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
Tank Operator Mail City:	DALLAS
Tank Operator Mail State:	TX

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Operator Mail Zip:	75221
Tank Owner Name:	7-ELEVEN INC.
Tank Owner Mailing Address:	P.O. BOX 711 ATTN: GASOLINE COMPLIANCE, LOC 148
Tank Owner Mailing City:	DALLAS
Tank Owner Mailing State:	TX
Tank Owner Mailing Zip:	75221
Tank Capacity Gallons:	15000
Tank Piping Construction:	Double Walled
Tank Piping Type:	Pressure
Tank Pw Piping Construction:	Fiberglass
Tank Sacrificial Anode:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	7 of15	SW	0.12 / 608.38	222.53 / -2	CST CALIFORNIA STATIONS INC/CORNER STORE #3618 15000 W WHITESBRIDGE KERMAN CA 93630	EMISSIONS

2012 Criteria Data

Facility ID:	1944	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	1.307278540118685094887358923300370985 7
CO:	10	**ROGT:**	1.3001802766113296
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2012 Toxic Data

Facility ID:	1944	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	1944	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	1.300228952
CO:	10	**ROGT:**	1.300228952
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2013 Toxic Data

Facility ID:	1944	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Non-Cancer Acute Haz Ind:

2014 Criteria Data

Facility ID:	1944	***CERR Code:***	
Facility SIC Code:	5541	***TOGT:***	1.1390191782226563
CO:	10	***ROGT:***	1.1390191782226563
Air Basin:	SJV	***COT:***	
District:	SJU	***NOXT:***	
COID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	
CHAPIS:		***PM10T:***	

2014 Toxic Data

Facility ID:	1944	***COID:***	FRE
Facility SIC Code:	5541	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

4	***8 of15***	***SW***	***0.12 / 608.38***	***222.53 / -2***	***CST CA STATIONS INC/CORNER STORE #3618 15000 W WHITESBRIDGE KERMAN CA 93630***	***EMISSIONS***

2015 Criteria Data

Facility ID:	1944	***CERR Code:***	
Facility SIC Code:	5541	***TOGT:***	1.152415501
CO:	10	***ROGT:***	1.152415501
Air Basin:	SJV	***COT:***	
District:	SJU	***NOXT:***	
COID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	
CHAPIS:		***PM10T:***	

2015 Toxic Data

Facility ID:	1944	***COID:***	FRE
Facility SIC Code:	5541	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

4	***9 of15***	***SW***	***0.12 / 608.38***	***222.53 / -2***	***VALERO CA RETAIL CO DBA ARCO #3618 15000 W WHITESBRIDGE KERMAN CA 93630***	***EMISSIONS***

2011 Criteria Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: 1.15993340011380060116020569941916894201
ROGT: 1.1536351915283196
COT:
NOXT:
SOXT:
PMT:
PM10T:

2011 Toxic Data

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	10 of15	SW	0.12 / 608.38	222.53 / -2	BEACON OIL COMPANY #3618 15000 W WHITESBRIDGE KERMAN CA	EMISSIONS

2002 Criteria Data

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: 1.241299892365213731932732305002994351 2
ROGT: 1.2351
COT:
NOXT:
SOXT:
PMT:
PM10T:

2002 Toxic Data

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2003 Criteria Data

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: 1.23
ROGT: 1.2351
COT:
NOXT:
SOXT:
PMT:
PM10T:

2003 Toxic Data

Facility ID:	1944	***COID:***	FRE
Facility SIC Code:	5541	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	1944	***CERR Code:***	
Facility SIC Code:	5541	***TOGT:***	1.1423940694475241586129865508427129593535
CO:	10	***ROGT:***	1.136707145
Air Basin:	SJV	***COT:***	
District:	SJU	***NOXT:***	
COID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	
CHAPIS:		***PM10T:***	

2004 Toxic Data

Facility ID:	1944	***COID:***	FRE
Facility SIC Code:	5541	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	1944	***CERR Code:***	
Facility SIC Code:	5541	***TOGT:***	.9956323147336120566895578938323307725889
CO:	10	***ROGT:***	.9903660522460938
Air Basin:	SJV	***COT:***	
District:	SJU	***NOXT:***	
COID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	
CHAPIS:		***PM10T:***	

2005 Toxic Data

Facility ID:	1944	***COID:***	FRE
Facility SIC Code:	5541	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .9873232934508019974388914922334766811326
ROGT: .9821009804077143
COT:
NOXT:
SOXT:
PMT:
PM10T:

2006 Toxic Data

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2007 Criteria Data

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .8801821094259235249625549235921397684128
ROGT: .875491866210938
COT:
NOXT:
SOXT:
PMT:
PM10T:

2007 Toxic Data

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2008 Criteria Data

Facility ID: 1944
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .8100083164169707865292634743714986077265
ROGT: .8055722893066399
COT:
NOXT:
SOXT:
PMT:
PM10T:

2008 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	1944	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	1944	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	1.12370979948300544784748308766620291936
CO:	10	**ROGT:**	1.117555779785157
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2009 Toxic Data

Facility ID:	1944	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	1944	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	11 of15	SW	0.12 / 608.38	222.53 / -2	KERMAN ARCO 15000 W WHITESBRIDGE KERMAN CA	HIST TANK

Owner Name:	MARTIN OIL COMPANY	**No of Containers:**	4
Owner Street:	2874 SO CHERRY	**County:**	FRESNO
Owner City:	FRESNO	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	93630
Owner Zip:	93706		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	12 of15	SW	0.12 / 608.38	222.53 / -2	7- ELEVEN INC 15000 W WHITESBRIDGE KERMAN CA 93630	EMISSIONS

2016 Criteria Data

Facility ID:	1944	**CERR CODE:**	
Facility SIC Code:	5541	**TOGT:**	.516478408
CO:	10	**ROGT:**	.516478408
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2016 Toxic Data

Facility ID:	1944	**TS:**	
Facility SIC Code:	5541	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	FRE	**AH Index:**	
CO:	10	**Air Basin:**	SJV
DISN:	SAN JOAQUIN VALLEY APCD	**District:**	SJU
CHAPIS:			

2017 Criteria Data

Facility ID:	1944	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	.516478408
CO:	10	**ROGT:**	1.077869068
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2017 Toxic Data

Facility ID:	1944	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	1944	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	1.046395362
CO:	10	**ROGT:**	1.046395362
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2018 Toxic Data

Facility ID:	1944	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2019 Criteria Data

CO: 10
Air Basin: SJV
Facility ID: 1944
District: SJU
Facility SIC Code: 5541
CO ID: FRE
DISN: SAN JOAQUIN VALLEY APCD
PM10T:
TOGT: 1.149498722
PMT:
CHAPIS:
CERR Code:
ROGT: 1.149498722
COT:
NOXT:
SOXT:

2019 Toxic Data

CO: 10
Air Basin: SJV
Faccility ID: 1944
District: SJU
Facility SIC Code: 5541
COID: FRE
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TS:
Health Risk Asmt:

2020 Criteria Data

CO: 10
Air Basin: SJV
Facility ID: 1944
District: SJU
Facility SIC Code: 5541
CO ID: FRE
DISN: SAN JOAQUIN VALLEY APCD
TOGT: 1.44845782
PMT:
PM10T:
CHAPIS:
CERR Code:
ROGT: 1.44845782
COT:
NOXT:
SOXT:

2020 Toxic Data

CO: 10
Air Basin: SJV
Facility ID: 1944
District: SJU
Facility SIC Code: 5541
COID: FRE
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CHERR Code:
TS:
Health Risk Asmt:

2021 Toxic Data

Co: 10
Air Basin: SJV
Facility ID: 1944
District: SJU
Facility SIC Code: 5541
COID: FRE
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
Cerr Code:
TS:
Health Risk Asmt:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2021 Criteria Data

Co:	10	***CHAPIS:***	
Air Basin:	SJV	***Cerr Code:***	
Facility ID:	1944	***ROGT:***	.701140661
District:	SJU	***COT:***	
Facility SIC Code:	5541	***NOXT:***	
CO ID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD		
TOGT:	1.45655782		
PMT:			
PM10T:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	13 of15	SW	0.12 / 608.38	222.53 / -2	ARCO STORE #3618 15000 W WHITESBRIDGE AVE KERMAN CA 93630-1030	RCRA NON GEN

EPA Handler ID:	CAL000383978
Gen Status Universe:	No Report
Contact Name:	SANDY HUFF
Contact Address:	19500 BULVERDE ROAD , , SAN ANTONIO , TX, 78259-0000 ,
Contact Phone No and Ext:	210-692-2521
Contact Email:	SANDY.HUFF@CSTBRANDS.COM
Contact Country:	
County Name:	FRESNO
EPA Region:	09
Land Type:	
Receive Date:	20130329
Location Latitude:	36.734961
Location Longitude:	-120.060545

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20130329
Handler Name:	ARCO STORE #3618
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	19500 BULVERDE ROAD
Name:	CST BRANDS, INC.	***Street 2:***	
Date Became Current:		***City:***	SAN ANTIONO
Date Ended Current:		***State:***	TX
Phone:	210-692-2521	***Country:***	
Source Type:	Implementer	***Zip Code:***	79259-0000
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	19500 BULVERDE ROAD
Name:	SANDY HUFF	***Street 2:***	
Date Became Current:		***City:***	SAN ANTONIO
Date Ended Current:		***State:***	TX
Phone:	210-692-2521	***Country:***	
Source Type:	Implementer	***Zip Code:***	78259-0000

4	***14 of15***	***SW***	***0.12 / 608.38***	***222.53 / -2***	***7 ELEVEN 37960 15000 W WHITESBRIDGE AVE KERMAN CA 93630***	***RCRA NON GEN***

EPA Handler ID:	CAL000418938
Gen Status Universe:	No Report
Contact Name:	JOSE RIOS
Contact Address:	1722 ROUTH STREET , SUITE 1000 , DALLAS , TX, 75201 ,
Contact Phone No and Ext:	972-828-6592
Contact Email:	JOSE.RIOS@7-11.COM
Contact Country:	
County Name:	FRESNO
EPA Region:	09
Land Type:	
Receive Date:	20160718
Location Latitude:	36.734961
Location Longitude:	-120.060545

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20160718
Handler Name:	7 ELEVEN 37960

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: JOSE RIOS
Date Became Current:
Date Ended Current:
Phone: 972-828-6592
Source Type: Implementer
Street No:
Street 1: 1722 ROUTH STREET
Street 2: SUITE 1000
City: DALLAS
State: TX
Country:
Zip Code: 75201

Owner/Operator Ind: Current Owner
Type: Other
Name: 7-ELEVEN INC.
Date Became Current:
Date Ended Current:
Phone: 714-771-5484
Source Type: Implementer
Street No:
Street 1: PO BOX 711
Street 2:
City: DALLAS
State: TX
Country:
Zip Code: 75221

4	15 of15	SW	0.12 / 608.38	222.53 / -2	76 15000 W Whitesbridge Ave Kerman CA 93630	ALT FUELS

ID: 240313
Fuel Type Code:
Station Phone: 559-846-8408
Expected Date:
BD Blends:
NG PSI:
Federal Agency ID:
Open Date: 2022-11-07
Hydrogen is Retail:
Federal Agency:
Facility Type: GAS_STATION
Dt Last Confirmed: 2024-07-11
Updated at: 2024-07-11 19:05:43 UTC
Access Code: public
Access Detail Code:
Groups with Access Code: Public
Groups with Access Code Fr: Public
Fed Agency Name:
Hydrogen Status Link:
E85 Other Ethanol Blends:
NPS Unit Name:
Cards Accepted: A Cash CREDIT D Debit M V
CNG Statn Sells Renewable Na:
LNG Statn Sells Renewable Na:
Maximum Vehicle Class:
RD Blended With Biodiesel: YES
RD Blends: RD95
RD Blends French:
RD Maximum Biodiesel Level: 5
Status: Open: The station is open.
Owner Type Desc: Privately owned
E85 Blender Pump Desc:
NG Fill Type Desc:
NG Vehicle Class Desc:
Geocode Status Desc: The location is from a real GPS readout at the station.
Group with Access Desc: Publicly available to all customers.
LPG Primary Desc:
Intersection Directions:
Access Days Time: 24 hours daily
Restricted Access: false
Ev Workplace Charging:
CNG Dispenser No:
CNG Site Renew Src:
CNG Tot Compr Cap:
CNG Storage Cap:
CNG Fill Type Code:
CNG PSI:
CNG Vehicle Class:
LNG Site Renew Src:
LNG Vehicle Class:
LPG Nozzle Types:
Hydrogen Pressures:
Hydrogen Standards:
Latitude: 36.73493
Longitude: -120.06013

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Funding Sources:						

5	1 of1	S	0.12 / 612.01	222.55 / -2	FRASER SUPPLY, INC. 14902 W. WHITESBRIDGE RD. KERMAN CA	HIST TANK

Owner Name:	FRASER SUPPLY, INC.	**No of Containers:**	3
Owner Street:	14902 W. WHITESBRIDGE RD.	**County:**	FRESNO
Owner City:	KERMAN	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	93630
Owner Zip:	93630		

6	1 of3	SSW	0.12 / 612.52	222.34 / -2	CHEVRON 14980 W WHITESBRIDGE KERMAN CA 93630	CUPA FRESNO

Facility ID:	FA0170269	**Zip:**	93630
CERS ID:		**GIS Longitude:**	-120.059731
SWIS No:		**GIS Latitude:**	36.7352367468
APN:	02513038	**Cross Street:**	

Detail(s)

Program Element:	UST REMOVAL/CLOSURE W/4 TANKS
Program Identifier:	

6	2 of3	SSW	0.12 / 612.52	222.34 / -2	91911 14980 W. WHITESBRIDGE KERMAN CA 93630	HHSS

County:	
Tank Details Microfiche:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00023c09.pdf

6	3 of3	SSW	0.12 / 612.52	222.34 / -2	CHEVRON 14980 W WHITESBRIDGE KERMAN CA	UST SWEEPS

C C:	I10-000-62164	**D Filename:**	NSITE7
BOE:		**Page No:**	414
Comp:	62164	**County:**	FRESNO
Status:	INACTIVE	**State :**	CA
No of Tanks:	4	**Zip:**	93630
Jurisdict:	FRESNO COUNTY	**Latitude:**	0
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	0
Phone:	(209) 846-8300	**Georesult:**	N

Tank Details

Tank ID:	000002	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	10-000-062164-000002	**Storage :**	PRODUCT
Removed:	04-05-89	**Storag Type:**	PRODUCT
Installed:	01-01-64	**P Contain:**	BARE STEEL
A Date:		**Content:**	
Capac:	3000	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	NTANK7

Tank Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank ID:	000004	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	10-000-062164-000004	**Storage :**	WASTE
Removed:	04-05-89	**Storag Type:**	WASTE
Installed:	01-01-64	**P Contain:**	BARE STEEL
A Date:		**Content:**	
Capac:	550	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	NTANK7

Tank Details

Tank ID:	000003	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	10-000-062164-000003	**Storage :**	PRODUCT
Removed:	04-05-89	**Storag Type:**	PRODUCT
Installed:	01-01-64	**P Contain:**	BARE STEEL
A Date:		**Content:**	
Capac:	5000	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	NTANK7

Tank Details

Tank ID:	000001	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	10-000-062164-000001	**Storage :**	PRODUCT
Removed:	04-05-89	**Storag Type:**	PRODUCT
Installed:	01-01-64	**P Contain:**	BARE STEEL
A Date:		**Content:**	
Capac:	7000	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	NTANK7

7	*1 of4*	*S*	*0.12 / 614.45*	*223.03 / -2*	***KERMAN MOBILE HOMES*** ***14754 W WHITESBRIDGE AVE*** ***KERMAN CA 93630***	***CUPA FRESNO***

Facility ID:	FA0170267	**Zip:**	93630
CERS ID:		**GIS Longitude:**	-120.05761315
SWIS No:		**GIS Latitude:**	36.7358375653
APN:	02513088	**Cross Street:**	MADERA

Detail(s)

Program Element:	UST REMOVAL/CLOSURE W/1 TANK
Program Identifier:	
Program Element:	WASTE TIRE FACILITY
Program Identifier:	
Program Element:	UST REMOVAL/CLOSURE W/3 TANKS
Program Identifier:	

7	*2 of4*	*S*	*0.12 / 614.45*	*223.03 / -2*	***MACK LAZARUS MOBILHOMES*** ***14754 W. WHITESBRIDGE RD.*** ***KERMAN CA 93630***	***HHSS***

County:	
Tank Details Microfiche:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024b7e.pdf

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7	*3 of4*	*S*	*0.12 / 614.45*	*223.03 / -2*	***KERMAN MOBILE HOMES INC*** ***14754 W WHITESBRIDGE AVE*** ***KERMAN CA 93630-1110***	***RCRA NON GEN***

EPA Handler ID:	CAL000336734
Gen Status Universe:	No Report
Contact Name:	JOSIE GONZALEZ
Contact Address:	14754 W WHITESBRIDGE AVE , , KERMAN , CA, 93630 ,
Contact Phone No and Ext:	559-846-9373
Contact Email:	JOSIE@KERMANMOBILEHOMES.COM
Contact Country:	
County Name:	FRESNO
EPA Region:	09
Land Type:	
Receive Date:	20080926
Location Latitude:	36.734967
Location Longitude:	-120.057827

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20080926
Handler Name:	KERMAN MOBILE HOMES INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	14754 W WHITESBRIDGE AVE
Name:	JOSIE GONZALEZ	***Street 2:***	
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	559-846-9373	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	14754 W WHITESBRIDGE AVE
Name:	KERMAN MOBILE HOMES INC	***Street 2:***	
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	559-846-9373	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630-1110

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	4 of4	S	0.12 / 614.45	223.03 / -2	MACK LAZARUS MOBILE HOMES 14754 W WHITESBRIDGE RD KERMAN CA	UST SWEEPS

C C:	I10-000-39066	**D Filename:**	NSITE7
BOE:	44-004150	**Page No:**	414
Comp:	39066	**County:**	FRESNO
Status:	INACTIVE	**State :**	CA
No of Tanks:	3	**Zip:**	93630
Jurisdict:	FRESNO COUNTY	**Latitude:**	36.734965
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-120.056162
Phone:	(209) 846-9341	**Georesult:**	S5HP-TSCZA

Tank Details

Tank ID:	000002	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	10-000-039066-000002	**Storage :**	PRODUCT
Removed:	07-03-90	**Storag Type:**	PRODUCT
Installed:	01-01-01	**P Contain:**	BARE STEEL
A Date:		**Content:**	LEADED
Capac:	1000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	NTANK7

Tank Details

Tank ID:	000001	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	10-000-039066-000001	**Storage :**	PRODUCT
Removed:	07-03-90	**Storag Type:**	PRODUCT
Installed:	01-01-01	**P Contain:**	BARE STEEL
A Date:		**Content:**	REG UNLEADED
Capac:	1000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	NTANK7

Tank Details

Tank ID:	000003	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	10-000-039066-000003	**Storage :**	WASTE
Removed:	07-03-90	**Storag Type:**	WASTE
Installed:	01-01-01	**P Contain:**	BARE STEEL
A Date:		**Content:**	WASTE OIL
Capac:	550	**ONA:**	
Tank Use:	OIL	**D File Name:**	NTANK7

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of2	S	0.12 / 615.13	222.55 / -2	FRASER SUPPLY INC 14902 W. WHITESBRIDGE RD. KERMAN CA 93630	HHSS

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000240ac.pdf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	2 of2	S	0.12 / 615.13	222.55 / -2	FRASER SUPPLY, INC. 14902 W WHITESBRIDGE RD KERMAN CA	UST SWEEPS

C C:	A10-000-37780	**D Filename:**	SITE09A
BOE:		**Page No:**	316
Comp:	37780	**County:**	FRESNO
Status:	ACTIVE	**State :**	CA
No of Tanks:	3	**Zip:**	93630

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Jurisdict:	FRESNO COUNTY	**Latitude:**	36.734954
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-120.058391
Phone:		**Georesult:**	S5HP-TSCZA

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	1	**Stg:**	P
SWRCB No:	10-000-037780-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	LEADED
Capac:	500	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:	2	**Stg:**	P
SWRCB No:	10-000-037780-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	DIESEL
Capac:	500	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000003	**S Contain:**	
O Tank ID:	3	**Stg:**	P
SWRCB No:	10-000-037780-000003	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	REG UNLEADED
Capac:	500	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of2	S	0.12 / 615.41	222.82 / -2	**Grocery Outlet of Kerman** **14868 W WHITESBRIDGE AVE** **KERMAN CA 93630**	CERS HAZ

Site ID:	626147
Latitude:	36.735800
Longitude:	-120.058840

Regulated Programs

EI ID:	10916443	**EI Description:**	Hazardous Waste Generator
EI ID:	10916443	**EI Description:**	Chemical Storage Facilities

Affiliations

Affil Type Desc:	Parent Corporation
Entity Name:	Grocery Outlet of Kerman
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc: Operator
Entity Name: Sean Tharp
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (559) 696-1837

Affil Type Desc: Environmental Contact
Entity Name: Sean Tharp
Entity Title:
Address: 14868 W Whitesbridge Ave
City: Kerman
State: CA
Country:
Zip Code: 93630
Phone:

Affil Type Desc: CUPA District
Entity Name: Fresno County Community Health Department
Entity Title:
Address: 1221 Fulton St., 3rd FloorP.O. Box 11867
City: Fresno
State: CA
Country:
Zip Code: 93775
Phone: (559) 600-3271

Affil Type Desc: Identification Signer
Entity Name: Sean Tharp
Entity Title: Owner
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 14868 W Whitesbridge Ave
City: Kerman
State: CA
Country:
Zip Code: 93630
Phone:

Affil Type Desc: Document Preparer
Entity Name: APTIM
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: FRESHBARGAINS LLC
Entity Title:
Address: 19014 Via Bella Vita
City: Friant
State: CA
Country: United States
Zip Code: 93626

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone:		(559) 696-1837				
9	2 of2	S	0.12 / 615.41	222.82 / -2	FRESHBARGAINS LLC DBA GROCERY OUTLET OF KERMAN 14868 W WHITESBRIDGE AVE KERMAN CA 93630	RCRA NON GEN

EPA Handler ID: CAL000475997
Gen Status Universe: No Report
Contact Name: SEAN THARP
Contact Address: 14868 W WHITESBRIDGE AVE , , KERMAN , CA, 93630 ,
Contact Phone No and Ext: 559-696-1837
Contact Email: KERMAN@GROCERYOUTLET.COM
Contact Country:
County Name: FRESNO
EPA Region: 09
Land Type:
Receive Date: 20230126
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20230126
Handler Name: FRESHBARGAINS LLC DBA GROCERY OUTLET OF KERMAN
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: FRESHBARGAINS LLC
Date Became Current:
Date Ended Current:
Phone: 559-696-1837
Source Type: Implementer

Street No:
Street 1: 19014 V BELLA VITA
Street 2:
City: FRIANT
State: CA
Country:
Zip Code: 93626

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	14868 W WHITESBRIDGE AVE
Name:	SEAN THARP	**Street 2:**	
Date Became Current:		**City:**	KERMAN
Date Ended Current:		**State:**	CA
Phone:	559-696-1837	**Country:**	
Source Type:	Implementer	**Zip Code:**	93630

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	1 of1	S	0.12 / 615.83	222.99 / -2	MACK LAZARUS MOBILHOMES 14754 W. WHITESBRIDGE RD. KERMAN CA	HIST TANK

Owner Name:	MACK LAZARUS LEASING CO., INC.	**No of Containers:**	3
Owner Street:	14754 W. WHITESBRIDGE RD.	**County:**	FRESNO
Owner City:	KERMAN	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	93630
Owner Zip:	93630		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	1 of4	SE	0.12 / 625.97	223.84 / -1	H&J CHEVROLET 14680 W WHITESBRIDGE KERMAN CA 93630	CUPA FRESNO

Facility ID:	FA0170270	**Zip:**	93630
CERS ID:	10697671	**GIS Longitude:**	-120.055508
SWIS No:		**GIS Latitude:**	36.734947
APN:	02513057	**Cross Street:**	

Detail(s)

Program Element:	UST REMOVAL/CLOSURE W/2 TANKS
Program Identifier:	
Program Element:	AUTO REPAIR/MAINTENANCE MODEL PLAN
Program Identifier:	
Program Element:	HAZARDOUS WASTE GENERATOR (SQG)
Program Identifier:	
Program Element:	WASTE TIRE FACILITY/SMALL QUANTITY GENERATOR
Program Identifier:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	2 of4	SE	0.12 / 625.97	223.84 / -1	H&J CHEVROLET 14680 W WHITESBRIDGE KERMAN CA 93630-0000	RCRA NON GEN

EPA Handler ID:	CAL000024088
Gen Status Universe:	No Report
Contact Name:	JOHN TEIXEIRA
Contact Address:	14680 W WHITESBRIDGE , , KERMAN , CA, 93630 ,
Contact Phone No and Ext:	559-846-9335
Contact Email:	KERI.HJCHEVY@GMAIL.COM
Contact Country:	
County Name:	FRESNO
EPA Region:	09
Land Type:	
Receive Date:	19900509
Location Latitude:	36.734985
Location Longitude:	-120.055379

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19900509
Handler Name:	H&J CHEVROLET
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	14680 W WHITESBRIDGE
Name:	JOHN TEIXEIRA	***Street 2:***	
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	559-846-9335	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	14680 W WHITESBRIDGE RD
Name:	JOHN TEIXEIRA	***Street 2:***	P.O. BOX 307
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	559-846-9335	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630-0307

11	***3 of4***	***SE***	***0.12 / 625.97***	***223.84 / -1***	***H&J CHEVROLET 14680 W WHITESBRIDGE KERMAN CA 93630***	***CERS HAZ***

Site ID:	517746
Latitude:	36.734947
Longitude:	-120.055508

Regulated Programs

EI ID:	10697671	***EI Description:***	Hazardous Waste Generator
EI ID:	10697671	***EI Description:***	Chemical Storage Facilities

Violations

Violation Date: 06/10/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 02/23/2016.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date: 06/10/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Fresno County Department of Public Health
Citation: 22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.51
Violation Notes:

Returned to compliance on 08/09/2015. operator required to clean up neglected spillage by the used oil/filter and waste coolant area.

Violation Description:

Failure to prepare and implement a Contingency Plan to minimize human hazards or threat to the environment and to carry out the provisions of the plan whenever there is a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

Violations

Violation Date: 06/10/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 08/09/2015.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 06/10/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Fresno County Department of Public Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 08/09/2015.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Evaluations

Eval Date: 06/10/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS

Eval Notes:

Eval Date: 06/10/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 14680 W WHITESBRIDGE RD
City: KERMAM
State: CA
Country:
Zip Code: 93630
Phone:

Affil Type Desc: Document Preparer
Entity Name: MIKE TEIXEIRA
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: MIKE TEIXEIRA
Entity Title:
Address: 14680 W WHITESBRIDGE RD
City: KERMAN
State: CA
Country:
Zip Code: 93630
Phone:

Affil Type Desc: Legal Owner
Entity Name: MIKE TEIXEIRA
Entity Title:
Address: 14680 W WHITESBRIDGE RD
City: KERMAM
State: CA
Country: United States
Zip Code: 93630
Phone: (559) 846-9335

Affil Type Desc: Operator
Entity Name: MIKE TEIXEIRA
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (559) 846-9335

Affil Type Desc: CUPA District
Entity Name: Fresno County Community Health Department
Entity Title:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address: 1221 Fulton St., 3rd FloorP.O. Box 11867
City: Fresno
State: CA
Country:
Zip Code: 93775
Phone: (559) 600-3271

Affil Type Desc: Identification Signer
Entity Name: MIKE TEIXEIRA
Entity Title: PRESIDENT
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Parent Corporation
Entity Name: GILL AUTO GROUP
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

11	4 of4	SE	0.12 / 625.97	223.84 / -1	H & J CHEVROLET 14680 W WHITESBRIDGE KERMAN CA	UST SWEEPS

C C: A10-000-266
BOE: 44-003626
Comp: 266
Status: ACTIVE
No of Tanks: 1
Jurisdict: FRESNO COUNTY
Agency: ENVIRONMENTAL HEALTH
Phone:

D Filename: SITE09A
Page No: 316
County: FRESNO
State : CA
Zip: 93630
Latitude: 36.734965
Longitude: -120.055695
Georesult: S5HPN-SCZA

Tank Details

Tank ID: 000001
O Tank ID:
SWRCB No: 10-000-000266-000001
Removed:
Installed:
A Date: 06-05-89
Capac: 10000
Tank Use: M.V. FUEL

S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: REG UNLEADED
ONA:
D File Name: TANK9A

12	1 of2	SSE	0.12 / 629.15	223.80 / -1	H/J CHEVROLET INC 14680 W WHITESBRIDGE RD KERMAN CA 93630	HHSS

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002437c.pdf

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12	2 of2	SSE	0.12 / 629.15	223.80 / -1	H/J CHEVROLET, INC. 14680 W WHITEBRIDGE RD KERMAN CA	HIST TANK

Owner Name: H/J CHEVROLET, INC.
Owner Street: 14680 W WHITEBRIDGE

No of Containers: 2
County: FRESNO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner City:	KERMAN	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	93630
Owner Zip:	93630		

---

13 | **1 of1** | **SSE** | **0.12 / 630.50** | **223.55 / -1** | **GLEN RUDOLPH AUTO BODY**
14703 W WHITESBRIDGE
KERMAN CA 93630 | **CUPA FRESNO**

Facility ID:	FA0272182	**Zip:**	93630
CERS ID:		**GIS Longitude:**	-120.055843782
SWIS No:		**GIS Latitude:**	36.7339659956
APN:	02303027S	**Cross Street:**	

Detail(s)

Program Element:	HAZ MAT DISCLOSURE/CLOSED SITE
Program Identifier:	

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14 | **1 of3** | **SW** | **0.12 / 630.68** | **222.45 / -2** | **ARCO BEACON #618**
15000 W WHITESBRIDGE RD
KERMAN CA | **UST SWEEPS**

C C:	A10-000-63666	**D Filename:**	SITE09A
BOE:	44-024660	**Page No:**	317
Comp:	63666	**County:**	FRESNO
Status:	ACTIVE	**State :**	CA
No of Tanks:	4	**Zip:**	93630
Jurisdict:	FRESNO COUNTY	**Latitude:**	36.734944
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-120.060226
Phone:		**Georesult:**	S5HP-TSCZA

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	618-1	**Stg:**	P
SWRCB No:	10-000-063666-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	11-19-92	**Content:**	PRM UNLEADED
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000003	**S Contain:**	
O Tank ID:	618-3	**Stg:**	P
SWRCB No:	10-000-063666-000003	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	11-19-92	**Content:**	REG UNLEADED
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000004	**S Contain:**	
O Tank ID:	618-4	**Stg:**	P
SWRCB No:	10-000-063666-000004	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	11-19-92	**Content:**	DIESEL
Capac:	12000	**ONA:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:	618-2	**Stg:**	P
SWRCB No:	10-000-063666-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	11-19-92	**Content:**	REG UNLEADED
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	2 of3	SW	0.12 / 630.68	222.45 / -2	ARCO-BEACON #618 15000 W WHITESBRIDGE ROAD KERMAN CA	UST SWEEPS

C C:	A10-000-10707	**D Filename:**	SITE09A
BOE:	44-024660	**Page No:**	317
Comp:	10707	**County:**	FRESNO
Status:	ACTIVE	**State :**	CA
No of Tanks:	4	**Zip:**	93630
Jurisdict:	FRESNO COUNTY	**Latitude:**	36.734944
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-120.060226
Phone:		**Georesult:**	S5HP-TSCZA

Tank Details

Tank ID:	000003	**S Contain:**	
O Tank ID:	P12M	**Stg:**	P
SWRCB No:	10-000-010707-000003	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	05-01-89	**Content:**	REG UNLEADED
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	R12 M	**Stg:**	P
SWRCB No:	10-000-010707-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	05-01-89	**Content:**	LEADED
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:	UL12M	**Stg:**	P
SWRCB No:	10-000-010707-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	05-01-89	**Content:**	REG UNLEADED
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000004	**S Contain:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

O Tank ID:	D 12 M	**Stg:**	P
SWRCB No:	10-000-010707-000004	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	05-01-89	**Content:**	DIESEL
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

14	3 of3	SW	0.12 / 630.68	222.45 / -2	15000 West Whitesbridge Ave Kerman CA	HMIRS

Incident County: FRESNO

HMIR Historical Reports

Report No:	E-2021050262	**Fed DOT Agency Nm:**	
Report Type:	A hazardous material incident	**Fed DOT Report No:**	
Date of Incident:	2021-04-14	**Report Submit Src:**	Web
Time of Incident:	0330	**Inc Multiple Rows:**	No
Haz Class Code:		**Inc Non US State:**	
Hazardous Class:	3	**Mode Transport:**	Highway
Commodity Short Nm:	GASOHOL GASOLINE MIXED W	**Transport Phase:**	Unloading
Commodity Long Nm:	GASOHOL GASOLINE MIXED WITH ETHYL ALCOHOL, WITH NOT MORE THAN 10% ALCOHOL	**Incident Occrrnce:**	
Trade Name:	Gasoline	**Mat Ship Approval?:**	No
ID No:	NA1203	**Mat Ship Approv No:**	
Haz Waste Ind:	No	**Undecl Hazmat Ship?:**	No
Haz Waste EPA No:		**Packaging Type:**	Cargo Tank Motor Vehicle (CTMV)
HMIS Tox Inhalation?:	No	**Packing Group:**	II
TIH Hazard Zone:		**Carrier Reporter:**	KAG West, LLC
Qty Released:	20	**CR Street Name:**	4366 Mount Pleasant St
Unit of Measure:	Liquid - Gallon	**CR City:**	North Canton
What Failed:	126	**CR State:**	OH
What Failed Desc:	Hose Adaptor or Coupling	**CR Postal Code:**	44720
How Failed Code:	308	**CR Non US State:**	
How Failed Desc:	Leaked	**CR Fed DOT ID:**	1489079
Failure Cause Code:	526	**CR Hazmat Reg ID:**	050420550009C
Failure Cause Desc:	Loose Closure, Component, or Device	**CR Country:**	US
Ident. Markings:	DOT 406	**Shipper Name:**	Kinder Morgan
Cont1 Pkging Type:		**Shipper Street Name:**	4149 S. Maple Ave
Cont1 Const Mat:		**Shipper City:**	Fresno
Cont1 Head Type:		**Shipper State:**	CA
Cont1 Pkg Capacity:	9200	**Shipper Postal:**	93725
C1 Capacity UOM:	LGA	**Shipper Non US St:**	
Cont1 Pkg Amt:	7000	**Shipper Country:**	US
C1 Pkg Amt UOM:	LGA	**Shipper Waybill:**	2564209
Cont1 Pkg No:	0	**Ship Hazmat Reg ID:**	
C1 Pkg NO Failed:	0	**Origin City:**	
Cont1 Pkg Mnfctr:	Beall	**Origin State:**	
Cont1 Pkg Mnfct Dt:	1998-01-01 00:00:00	**Origin Postal:**	
Cont1 Pkg Serial NO:	1BN2T4524XP02863	**Origin Non US St:**	
C1 Pkg Last Test Dt:	2021-03-03 00:00:00	**Origin Country:**	US
C1 Test Const Mat:		**Destination City:**	KERMAN
C1 Pkg Dsign Pres.:	0	**Destination State:**	CALIFORNIA
C1 Dsign Press UOM:		**Destination Postal:**	93630
C1 Pkg Shell Thick:	0	**Destination Non US:**	
C1 Shell Thick UOM:		**Destination Country:**	US
C1 Head Thickness:	0	**Cont2 Package Type:**	
C1 Head Thick UOM:		**Cont2 Const Mat:**	
C1 Pkg Srvc Pres.:	0	**Cont2 Pkg Capacity:**	0
C1 Srvc Press UOM:		**Cont2 Capacity UOM:**	
C1 Valve/Device Fail?:	No	**Cont2 Pkg Amount:**	0
C1 Device Type:		**Cont2 Pkg Amt UOM:**	
C1 Device Mnfctr:		**Cont2 Pkg No:**	0
C1 Device Model:		**Cont2 Pkg No Failed:**	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NRC No:

RAM Pkg Category:		**Haz NonHosp Public:**	0
RAM Pkg Cert.:	FALSE	**Haz NonHosp Old:**	
RAM Pkg Cert. NBR:		**Tot Haz Non Hosp Inj:**	
RAM Nuclide S:		**Total Hazmat Injuries:**	0
RAM Transport Index:		**Evacuation Indicator:**	No
RAM UOM:		**Public Evacuated:**	0
RAM Activity Rpted:	0	**Employees Evac:**	0
RAM UOM Rpted:		**Total Evacuated:**	0
RAM Activity:	0	**Total Evacuation Hrs:**	0
RAM Activity UOM:		**Major Artery Closed:**	No
RAM Mat Safety:		**Mjr Artery Hrs Closed:**	0
Spillage Result:	Yes	**Material Involved:**	No
Fire Result:	No	**Estimated Speed:**	0
Explosion Result:	No	**Weather Conditions:**	
Water Sewer Result:	No	**Vehicle Overturn:**	No
Gas Dispersion:	No	**Vehicle Left Roadway:**	No
Environment Damage:	No	**Passenger Aircraft:**	No
No Release Result:	No	**Cargo Baggage:**	
Fire EMS Report:	No	**Ship Non Transport:**	No
Fire EMS EMS Report:		**Ship Air First Flight:**	No
Police Report:	No	**Ship Air Subflight:**	No
Police Report No:		**Ship Init Transport:**	No
In House Cleanup:	No	**Ship Phase Transfer:**	No
Other Cleanup:	Yes	**Contact Name:**	BRIAN WYMER
Damage > 500:	Yes	**Contact Title:**	DIRECTOR, RISK MANAGEMENT
Material Loss:	70	**Contact Business:**	Kenan Transport, LLC
Carrier Damage:	0	**Contact Street:**	4366 Mount Pleasant St
Property Damage:	0	**Contact City:**	North Canton
Response Cost:	0	**Contact State:**	OH
Remediation Cost:	5000	**Contact Postal:**	44720
Damage Old Form:	0	**Contact Non US St:**	
Total Damages Amt:	5070	**Contact Country:**	US
Hazmat Fatality:	No	**Inc. Report Prepared:**	Carrier
Haz Fatal Employees:	0	**HMIS Serious Incidnt:**	No
Haz Fatal Respndrs:	0	**HMIS Serious Fatality:**	No
Haz Fatal Gen Public:	0	**HMIS Serious Injury:**	No
Tot Hazmat Fatalities:	0	**HMIS Flight Plan:**	No
Non Hazmat Fatality:	No	**HMIS Serious Evacs:**	No
Non Hazmat Fatals:	0	**HMIS Major Artery:**	No
Hazmat Injury:	No	**HMIS Bulk Release:**	No
Haz Hospital Empl:	0	**HMIS Marine Pollutnt:**	No
Haz Hospital Resp:	0	**HMIS Radioactive:**	No
Haz Hosp Gen Public:	0	**HMIS Gen Pkg Type:**	TANK
Haz Hosp Old Form:	0	**HMIS Container Code:**	TANK TRK
Total Haz Hosp Inj:	0	**HMIS Container Desc:**	Tank truck, tank mounted on truck chassis
Haz Non Hosp Empl:	0	**HMIS Bulk Incident:**	Yes
Haz Non Hosp Resp:	0	**Undeclared Shipment:**	No

Description of Events: The KAG West, LLC driver was attempting to deliver gasoline into the customer's storage tank. During the course of the delivery, the connection between the storage tank and hose adaptor became compromised. This allowed approximately 20 gallons of gasoline to be released. Patriot Environmental responded to the scene and handled the remediation.

Recommend Actions Taken: KAG West, LLC will continue to train and enforce safe loading/unloading polices and procedures.

15	1 of1	SW	0.12 / 634.06	222.47 / -2	**AUTOZONE #5324** **15010 W WHITESBRIDGE** **KERMAN CA 93630**	**CUPA FRESNO**

Facility ID:	FA0274856	**Zip:**	93630
CERS ID:		**GIS Longitude:**	-120.060429809
SWIS No:		**GIS Latitude:**	36.7363640782
APN:	02012023S	**Cross Street:**	

Detail(s)

Program Element: HAZ MAT DISCLOSURE/CLOSED SITE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program Identifier:						
Program Element:	USED OIL COLLECTION CENTER					
Program Identifier:						

16	1 of1	SE	0.12 / 635.98	223.92 / -1	GILL MOTORS KERMAN INC DBA GILL CHEVROLET 14680 W WHITEBRIDGE AVE KERMAN CA 93630	RCRA NON GEN

EPA Handler ID: CAL000474552
Gen Status Universe: No Report
Contact Name: SARA SCHLESKE
Contact Address: 2266 KITTY HAWK RD , , LIVERMORE , CA, 94551 ,
Contact Phone No and Ext: 925-321-9998
Contact Email: SARAS@GILLAUTOGROUP.COM
Contact Country:
County Name: FRESNO
EPA Region: 09
Land Type:
Receive Date: 20221108
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20221108
Handler Name: GILL MOTORS KERMAN INC DBA GILL CHEVROLET
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: SARA SCHLESKE
Date Became Current:
Date Ended Current:
Street No:
Street 1: 2266 KITTY HAWK RD
Street 2:
City: LIVERMORE
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone: 925-321-9998
Source Type: Implementer

Owner/Operator Ind: Current Owner
Type: Other
Name: GILL MOTORS KERMAN INC
Date Became Current:
Date Ended Current:
Phone: 559-906-6065
Source Type: Implementer

Country:
Zip Code: 94551

Street No:
Street 1: 1100 S MADERA AVE
Street 2:
City: MADERA
State: CA
Country:
Zip Code: 93637

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17 | **1 of1** | **S** | **0.12 / 637.80** | **222.90 / -2** | **WHITESBRIDGE VALERO**
14859 W WHITESBRIDGE RD
KERMAN CA 93630 | **CUPA FRESNO**

Facility ID: FA0287601
CERS ID:
SWIS No:
APN: 02303073

Zip: 93630
GIS Longitude: -120.05772
GIS Latitude: 36.73457
Cross Street:

Detail(s)

Program Element: UST FACILITY WITH >3 TANKS
Program Identifier:

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18 | **1 of1** | **SW** | **0.12 / 653.06** | **222.45 / -2** | **CARL'S JR.**
15005 W WHITESBRIDGE
KERMAN CA 93630 | **EMISSIONS**

2008 Criteria Data

Facility ID: 4122
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:

CERR Code:
TOGT: .01621757745401517320354995705697108502 72
ROGT: .011329599609375
COT: .0142065004706383
NOXT: .0635910021066666
SOXT: .0019618500649929
PMT: .153828615385910689655172413793103448275 9
PM10T: .0446102984619141

2008 Toxic Data

Facility ID: 4122
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2009 Criteria Data

Facility ID: 4122
Facility SIC Code: 5812

CERR Code:
TOGT: .012163755786545190380761523046092184368 7

CO:	10	**ROGT:**	.00849759979248047
Air Basin:	SJV	**COT:**	.0106574998497963
District:	SJU	**NOXT:**	.0477049993276596
COID:	FRE	**SOXT:**	.00147174997925758
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.1153768937341098620689655172413793103448
CHAPIS:		**PM10T:**	.03345929918289186

2009 Toxic Data

Facility ID:	4122	**COID:**	FRE
Facility SIC Code:	5812	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	4122	**COID:**	FRE
Facility SIC Code:	5812	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	4122	**CERR Code:**	
Facility SIC Code:	5812	**TOGT:**	.0121637557865451903807615230460921843687
CO:	10	**ROGT:**	.00849759979248047
Air Basin:	SJV	**COT:**	.0106574998497963
District:	SJU	**NOXT:**	.0477049993276596
COID:	FRE	**SOXT:**	.00147174997925758
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	.1153768937341098620689655172413793103448
CHAPIS:		**PM10T:**	.03345929918289186

2011 Toxic Data

Facility ID:	4122	**COID:**	FRE
Facility SIC Code:	5812	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	4122	**CERR Code:**	

Facility SIC Code:	5812	***TOGT:***	.0121637557865451903807615230460921843687
CO:	10	***ROGT:***	.00849759979248047
Air Basin:	SJV	***COT:***	.0106574998497963
District:	SJU	***NOXT:***	.0477049993276596
COID:	FRE	***SOXT:***	.00147174997925758
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.03345929918289186
CHAPIS:		***PM10T:***	.03345929918289186

2012 Toxic Data

Facility ID:	4122	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	4122	***CERR Code:***	
Facility SIC Code:	5812	***TOGT:***	.0242857142857142857142857142857142857143
CO:	10	***ROGT:***	.0085
Air Basin:	SJV	***COT:***	.0107
District:	SJU	***NOXT:***	.0477
COID:	FRE	***SOXT:***	.00147
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.03345
CHAPIS:		***PM10T:***	.03345

2013 Toxic Data

Facility ID:	4122	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	4122	***CERR Code:***	
Facility SIC Code:	5812	***TOGT:***	.0226422855922154
CO:	10	***ROGT:***	.00792479995727539
Air Basin:	SJV	***COT:***	.00994350028038025
District:	SJU	***NOXT:***	.0445090012550354
COID:	FRE	***SOXT:***	.00137315003871918
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.03120389983177182
CHAPIS:		***PM10T:***	.03120389983177182

2014 Toxic Data

Facility ID:	4122	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	

Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

2015 Criteria Data

Facility ID: 4122
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .0226571428571428571428571428571428571429
ROGT: .00793
COT: .00994
NOXT: .0445
SOXT: .00137
PMT: .03119
PM10T: .03119

2015 Toxic Data

Facility ID: 4122
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2016 Criteria Data

Facility ID: 4122
Facility SIC Code: 5812
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR CODE:
TOGT: .0226571428571428571428571428571428571429
ROGT: .00793
COT: .00994
NOXT: .0445
SOXT: .00137
PMT: .1075517241379310344827586206896551724138
PM10T: .03119

2016 Toxic Data

Facility ID: 4122
Facility SIC Code: 5812
CERR CODE:
COID: FRE
CO: 10
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
TS:
HRA:
CH Index:
AH Index:
Air Basin: SJV
District: SJU

2017 Criteria Data

Facility ID: 4122
Facility SIC Code: 5812
CERR Code:
TOGT: .0226571428571428571428571428571428571429

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CO:	10	***ROGT:***	.00793
Air Basin:	SJV	***COT:***	.00994
District:	SJU	***NOXT:***	.0445
COID:	FRE	***SOXT:***	.00137
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.107551724137931034482758620689655172413 8
CHAPIS:		***PM10T:***	.03119

2017 Toxic Data

Facility ID:	4122	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	4122	***CERR Code:***	
Facility SIC Code:	5812	***TOGT:***	.006277142857142857142857142857142857142857142857
CO:	10	***ROGT:***	.002197
Air Basin:	SJV	***COT:***	.00881
District:	SJU	***NOXT:***	.0394189
COID:	FRE	***SOXT:***	.00122
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	.029813793103448275862068965517241379310 3
CHAPIS:		***PM10T:***	.008646

2018 Toxic Data

Facility ID:	4122	***COID:***	FRE
Facility SIC Code:	5812	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
Facility ID:	4122	***ROGT:***	.002
District:	SJU	***COT:***	.00881
Facility SIC Code:	5812	***NOXT:***	.0394189
CO ID:	FRE	***SOXT:***	.00122
DISN:	SAN JOAQUIN VALLEY APCD		
PM10T:	.007881		
TOGT:	.005714285714285714285714285714285714285714		
PMT:	.0271758620689655172413793103448275862069		

2019 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CO:	10	**DISN:**	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	**CHAPIS:**	
Faccility ID:	4122	**CERR Code:**	
District:	SJU	**TS:**	
Facility SIC Code:	5812	**Health Risk Asmt:**	
COID:	FRE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2020 Criteria Data

CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
Facility ID:	4122	**ROGT:**	.002319
District:	SJU	**COT:**	.00881
Facility SIC Code:	5812	**NOXT:**	.0394189
CO ID:	FRE	**SOXT:**	.00122
DISN:	SAN JOAQUIN VALLEY APCD		
TOGT:	.006625714285714285714285714285714285714286		
PMT:	.031472413793103448275862068965517241379 4		
PM10T:	.009127		

2020 Toxic Data

CO:	10	**DISN:**	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	**CHAPIS:**	
Facility ID:	4122	**CHERR Code:**	
District:	SJU	**TS:**	
Facility SIC Code:	5812	**Health Risk Asmt:**	
COID:	FRE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2021 Toxic Data

Co:	10	**DISN:**	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	**CHAPIS:**	
Facility ID:	4122	**Cerr Code:**	
District:	SJU	**TS:**	
Facility SIC Code:	5812	**Health Risk Asmt:**	
COID:	FRE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2021 Criteria Data

Co:	10	**CHAPIS:**	
Air Basin:	SJV	**Cerr Code:**	
Facility ID:	4122	**ROGT:**	.004152
District:	SJU	**COT:**	.00882
Facility SIC Code:	5812	**NOXT:**	.0395
CO ID:	FRE	**SOXT:**	.00122
DISN:	SAN JOAQUIN VALLEY APCD		
TOGT:	.006625714285714285714285714285714285714286		
PMT:	.031472413793103448275862068965517241379 4		
PM10T:	.016374		

19	***1 of2***	***SW***	***0.13 / 666.88***	***222.53 / -2***	***FAMILY DOLLAR STORE #10017 15070 W WHITESBRIDGE AVE KERMAN CA 93630***	***CUPA FRESNO***

Facility ID:	FA0282599	**Zip:**	93630
CERS ID:	10467550	**GIS Longitude:**	-120.0613

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SWIS No: **GIS Latitude:** 36.7363
APN: 02012019S **Cross Street:**

Detail(s)

Program Element: HAZ MAT DISCLOSURE-HAZ WASTE ONLY
Program Identifier:

Program Element: HAZARDOUS WASTE GENERATOR (CESQG)
Program Identifier:

19	2 of2	SW	0.13 / 666.88	222.53 / -2	FAMILY DOLLAR INC #10017 15070 W WHITESBRIDGE AVE KERMAN CA 93630	RCRA NON GEN

EPA Handler ID: CAL000376032
Gen Status Universe: No Report
Contact Name: CONNIE KELCH
Contact Address: 500 VOLVO PARKWAY , , CHESAPEAKE , VA, 23320 ,
Contact Phone No and Ext: 757-321-5405
Contact Email: CKELCH@DOLLARTREE.COM
Contact Country:
County Name: FRESNO
EPA Region: 09
Land Type:
Receive Date: 20120705
Location Latitude: 36.734961
Location Longitude: -120.061602

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20120705
Handler Name: FAMILY DOLLAR INC #10017
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	500 VOLVO PARKWAY
Name:	FAMILY DOLLAR INC	**Street 2:**	
Date Became Current:		**City:**	CHESAPEAKE
Date Ended Current:		**State:**	VA
Phone:	757-321-5000	**Country:**	
Source Type:	Implementer	**Zip Code:**	23320-0000

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	500 VOLVO PARKWAY
Name:	CONNIE KELCH	**Street 2:**	
Date Became Current:		**City:**	CHESAPEAKE
Date Ended Current:		**State:**	VA
Phone:	757-321-5405	**Country:**	
Source Type:	Implementer	**Zip Code:**	23320

20	1 of1	SW	0.13 / 706.09	222.66 / -2	**MCDONALD'S CORP.** **15100 W. WHITESBRIDGE AVE** **KERMAN CA 93630**	**RCRA NON GEN**

EPA Handler ID:	CAC003100570
Gen Status Universe:	No Report
Contact Name:	SILVIA WYTKIND
Contact Address:	2999 OAK RD , , WALNUT CREEK , CA, 94597 ,
Contact Phone No and Ext:	916-586-0946
Contact Email:	VALERIEO@CVECORP.COM
Contact Country:	
County Name:	FRESNO
EPA Region:	09
Land Type:	
Receive Date:	20210112
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210112
Handler Name:	MCDONALD'S CORP.
Source Type:	Implementer
Federal Waste Generator Code:	N

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2999 OAK RD
Name:	SILVIA WYTKIND	**Street 2:**	
Date Became Current:		**City:**	WALNUT CREEK
Date Ended Current:		**State:**	CA
Phone:	916-586-0946	**Country:**	
Source Type:	Implementer	**Zip Code:**	94597

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	2999 OAK RD
Name:	MCDONALD'S CORP	**Street 2:**	
Date Became Current:		**City:**	WALNUT CREEK
Date Ended Current:		**State:**	CA
Phone:	916-586-0946	**Country:**	
Source Type:	Implementer	**Zip Code:**	94597

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	1 of1	SSW	0.14 / 712.90	222.32 / -2	KERMAN CAR WASH 127 S. MADERA AVE KERMAN CA	HIST TANK

Owner Name:	LOREN T. LINSCHEID	**No of Containers:**	3
Owner Street:	5411 N. GRANTLAND	**County:**	FRESNO
Owner City:	FRESNO	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	93630
Owner Zip:	93711		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of1	SSE	0.14 / 748.31	223.56 / -1	GLENN RUDOLPH'S AUTOBODY 14703 W WHITESBRIDGE RD KERMAN CA 93630	EMISSIONS

2009 Toxic Data

Facility ID:	576	**COID:**	FRE
Facility SIC Code:	7532	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	576	**COID:**	FRE
Facility SIC Code:	7532	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Toxic Data

Facility ID:	576	**COID:**	FRE

Facility SIC Code:	7532	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	576	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	0
CO:	10	**ROGT:**	0
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2012 Toxic Data

Facility ID:	576	**COID:**	FRE
Facility SIC Code:	7532	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	576	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	0
CO:	10	**ROGT:**	0
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2013 Toxic Data

Facility ID:	576	**COID:**	FRE
Facility SIC Code:	7532	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	576	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	0
CO:	10	**ROGT:**	0
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	

DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2014 Toxic Data

Facility ID:	576	**COID:**	FRE
Facility SIC Code:	7532	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	576	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	0
CO:	10	**ROGT:**	0
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2015 Toxic Data

Facility ID:	576	**COID:**	FRE
Facility SIC Code:	7532	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	576	**CERR CODE:**	
Facility SIC Code:	7532	**TOGT:**	0
CO:	10	**ROGT:**	0
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2016 Toxic Data

Facility ID:	576	**TS:**	
Facility SIC Code:	7532	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	FRE	**AH Index:**	
CO:	10	**Air Basin:**	SJV
DISN:	SAN JOAQUIN VALLEY APCD	**District:**	SJU
CHAPIS:			

2017 Criteria Data

Facility ID:	576	**CERR Code:**	

Facility SIC Code:	7532	**TOGT:**	0
CO:	10	**ROGT:**	0
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2017 Toxic Data

Facility ID:	576	**COID:**	FRE
Facility SIC Code:	7532	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	576	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	0
CO:	10	**ROGT:**	0
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2018 Toxic Data

Facility ID:	576	**COID:**	FRE
Facility SIC Code:	7532	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
Facility ID:	576	**ROGT:**	0
District:	SJU	**COT:**	
Facility SIC Code:	7532	**NOXT:**	
CO ID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD		
PM10T:			
TOGT:	0		
PMT:			

2019 Toxic Data

CO:	10	**DISN:**	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	**CHAPIS:**	
Faccility ID:	576	**CERR Code:**	
District:	SJU	**TS:**	
Facility SIC Code:	7532	**Health Risk Asmt:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

COID: FRE
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2020 Criteria Data

CO: 10
Air Basin: SJV
Facility ID: 576
District: SJU
Facility SIC Code: 7532
CO ID: FRE
DISN: SAN JOAQUIN VALLEY APCD
TOGT: 0
PMT:
PM10T:
CHAPIS:
CERR Code:
ROGT: 0
COT:
NOXT:
SOXT:

2020 Toxic Data

CO: 10
Air Basin: SJV
Facility ID: 576
District: SJU
Facility SIC Code: 7532
COID: FRE
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CHERR Code:
TS:
Health Risk Asmt:

2021 Toxic Data

Co: 10
Air Basin: SJV
Facility ID: 576
District: SJU
Facility SIC Code: 7532
COID: FRE
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
Cerr Code:
TS:
Health Risk Asmt:

2021 Criteria Data

Co: 10
Air Basin: SJV
Facility ID: 576
District: SJU
Facility SIC Code: 7532
CO ID: FRE
DISN: SAN JOAQUIN VALLEY APCD
TOGT: 0
PMT:
PM10T:
CHAPIS:
Cerr Code:
ROGT: 0
COT:
NOXT:
SOXT:

23	***1 of1***	***S***	***0.14 / 750.71***	***222.54 / -2***	***AUTOZONE #5324 14923 W WHITESBRIDGE AVE KERMAN CA 93630***	***CUPA FRESNO***

Facility ID: FA0281926
CERS ID: 10139345
SWIS No:
APN: 02303051
Zip: 93630
GIS Longitude: -120.058392
GIS Latitude: 36.734585
Cross Street:

Detail(s)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program Element: HAZ MAT DISCLOSURE-HAZ WASTE ONLY
Program Identifier:

Program Element: HAZARDOUS WASTE GENERATOR (CESQG)
Program Identifier:

Program Element: USED OIL COLLECTION CENTER
Program Identifier:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	1 of2	S	0.14 / 759.11	222.79 / -2	Kerman Food Mart 14859 W WHITESBRIDGE AVE KERMAN CA 93630	CERS TANK

Site ID: 615772
Latitude: 36.734580
Longitude: -120.057460

Regulated Programs

EI ID: 10906177
EI Description: Underground Storage Tank

EI ID: 10906177
EI Description: Chemical Storage Facilities

Violations

Violation Date: 02/12/2024
Violation Source: CERS
Violation Program: UST
Violation Division: Fresno County Department of Public Health
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Notes:

9. VIOLATION: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vacuum, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.). (23 CCR 16 2638(a) & (b), 2641(j), 2715(f)) OBSERVATION: Owner/Operator did not have a properly qualified service technician test leak detection equipment every 12 months (VPH, sensor, LLD, ATG, etc.). CORRECTIVE ACTION: Have a properly qualified service technician test leak detection equipment every 12 months.

Violation Description:

Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).

Violations

Violation Date: 02/12/2024
Violation Source: CERS
Violation Program: UST
Violation Division: Fresno County Department of Public Health
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Notes:

Violation Description:

Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.

Evaluations

Eval Date: 02/12/2024
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency

Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

9. Monitor cert was due January 31, 2024. Perform next monitor certification by January 31, 2025. 45. The 91 & 87 line leak detectors failed. Replace & submit passing results in 30 days. Tech: Kao Chang, NWestco DO: June Milner, J&J; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/19/2023
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

UST Final/Initial AMC Inspection; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/19/2023
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

No violations observed at the time of inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Document Preparer
Entity Name: June Milner
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 14859 W. Whites Bridge Ave.
City: Kerman
State: CA
Country:
Zip Code: 93630
Phone:

Affil Type Desc: Legal Owner
Entity Name: DB Kerman Inc.
Entity Title:
Address: 14859 W. Whites Bridge Ave.
City: Kerman
State: CA
Country: United States
Zip Code: 93630
Phone: (559) 351-1916

Affil Type Desc: Parent Corporation
Entity Name: Kerman Food Mart
Entity Title:

Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	UST Tank Operator
Entity Name:	MANMOHAN DHILLON
Entity Title:	
Address:	14859 W. Whites Bridge Ave.
City:	Kerman
State:	CA
Country:	United States
Zip Code:	93630
Phone:	(559) 351-1916

Affil Type Desc:	Environmental Contact
Entity Name:	MANMOHAN DHILLON
Entity Title:	
Address:	14859 W. Whitesbridge Ave.
City:	Kerman
State:	CA
Country:	
Zip Code:	93630
Phone:	

Affil Type Desc:	Operator
Entity Name:	MANMOHAN DHILLON
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(559) 351-1916

Affil Type Desc:	UST Tank Owner
Entity Name:	DB Kerman Inc.
Entity Title:	
Address:	14859 W. Whites Bridge Ave.
City:	Kerman
State:	CA
Country:	United States
Zip Code:	93630
Phone:	(559) 351-1916

Affil Type Desc:	UST Property Owner Name
Entity Name:	DB Kerman Inc.
Entity Title:	
Address:	14859 W. Whites Bridge Ave.
City:	Kerman
State:	CA
Country:	United States
Zip Code:	93630
Phone:	(559) 351-1916

Affil Type Desc:	CUPA District
Entity Name:	Fresno County Community Health Department
Entity Title:	
Address:	1221 Fulton St., 3rd FloorP.O. Box 11867
City:	Fresno
State:	CA
Country:	
Zip Code:	93775
Phone:	(559) 600-3271

Affil Type Desc:	Identification Signer
Entity Name:	JUNE MILNER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity Title:		DESIGNATED OPERATOR				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						

24	2 of2	S	0.14 / 759.11	222.79 / -2	**Kerman Food Mart** **14859 W Whitesbridge Ave** **Kerman CA 93630**	UST

Facility ID:
CERS ID: 10906177
County: Fresno
Permitting Agency: 7000
Site Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search

Latitude: 36.73458
Longitude: -120.05746
CalEnviroScrn 4 Pct: 85-90%

Tank Details

Epa Region: 9
No. of Closed UST: 0
No. of Inuse UST:
No. of Oos UST: 0
Owner Type: Non-Government
Tank ID No.: 3
Tank Status: New Permit
Tank Type: Double Wall
Tank Alarms: No
Tank Ball Float: No
Tank Operator Name: Manmohan Dhillon
Tank Operator Mail Address: 14859 W. Whites Bridge Ave.
Tank Operator Mail City: Kerman
Tank Operator Mail State: CA
Tank Operator Mail Zip: 93630
Tank Owner Name: DB Kerman Inc.
Tank Owner Mailing Address: 14859 W. Whites Bridge Ave.
Tank Owner Mailing City: Kerman
Tank Owner Mailing State: CA
Tank Owner Mailing Zip: 93630
Tank Capacity Gallons: 10000
Tank Piping Construction: Double Walled
Tank Piping Type: Pressure
Tank Pw Piping Construction: Fiberglass
Tank Sacrificial Anode: No

Tank Closure Date:
Tank Configuration: One in a Compartmented Unit
Tank Contents: Diesel
Tank Cp Impr Curr: No
Tank Cp Shutoff: Yes
Tank Installatn Dt: 2/10/2022 12:00:00 AM
Tank No of Compart: 2
Tank Pc Constructn: Steel
Tank Spill Bucket: Yes
Tank Tribal Lands: No

Tank Details

Epa Region: 9
No. of Closed UST: 0
No. of Inuse UST:
No. of Oos UST: 0
Owner Type: Non-Government
Tank ID No.: 2
Tank Status: New Permit
Tank Type: Double Wall
Tank Alarms: No
Tank Ball Float: No
Tank Operator Name: Manmohan Dhillon
Tank Operator Mail Address: 14859 W. Whites Bridge Ave.
Tank Operator Mail City: Kerman
Tank Operator Mail State: CA
Tank Operator Mail Zip: 93630
Tank Owner Name: DB Kerman Inc.

Tank Closure Date:
Tank Configuration: One in a Compartmented Unit
Tank Contents: Premium Unleaded
Tank Cp Impr Curr: No
Tank Cp Shutoff: Yes
Tank Installatn Dt: 2/10/2022 12:00:00 AM
Tank No of Compart: 2
Tank Pc Constructn: Steel
Tank Spill Bucket: Yes
Tank Tribal Lands: No

Tank Owner Mailing Address: 14859 W. Whites Bridge Ave.
Tank Owner Mailing City: Kerman
Tank Owner Mailing State: CA
Tank Owner Mailing Zip: 93630
Tank Capacity Gallons: 5000
Tank Piping Construction: Double Walled
Tank Piping Type: Pressure
Tank Pw Piping Construction: Fiberglass
Tank Sacrificial Anode: No

Tank Details

Epa Region: 9
No. of Closed UST: 0
No. of Inuse UST:
No. of Oos UST: 0
Owner Type: Non-Government
Tank ID No.: 4
Tank Status: New Permit
Tank Type: Double Wall
Tank Alarms: No
Tank Ball Float: No
Tank Operator Name: Manmohan Dhillon
Tank Operator Mail Address: 14859 W. Whites Bridge Ave.
Tank Operator Mail City: Kerman
Tank Operator Mail State: CA
Tank Operator Mail Zip: 93630
Tank Owner Name: DB Kerman Inc.
Tank Owner Mailing Address: 14859 W. Whites Bridge Ave.
Tank Owner Mailing City: Kerman
Tank Owner Mailing State: CA
Tank Owner Mailing Zip: 93630
Tank Capacity Gallons: 10000
Tank Piping Construction: Double Walled
Tank Piping Type: Pressure
Tank Pw Piping Construction: Fiberglass
Tank Sacrificial Anode: No

Tank Closure Date:
Tank Configuration: One in a Compartmented Unit
Tank Contents: 12
Tank Cp Impr Curr: No
Tank Cp Shutoff: Yes
Tank Installatn Dt: 2/10/2022 12:00:00 AM
Tank No of Compart: 2
Tank Pc Constructn: Steel
Tank Spill Bucket: Yes
Tribal Lands: No

Tank Details

Epa Region: 9
No. of Closed UST: 0
No. of Inuse UST:
No. of Oos UST: 0
Owner Type: Non-Government
Tank ID No.: 1
Tank Status: New Permit
Tank Type: Double Wall
Tank Alarms: No
Tank Ball Float: No
Tank Operator Name: Manmohan Dhillon
Tank Operator Mail Address: 14859 W. Whites Bridge Ave.
Tank Operator Mail City: Kerman
Tank Operator Mail State: CA
Tank Operator Mail Zip: 93630
Tank Owner Name: DB Kerman Inc.
Tank Owner Mailing Address: 14859 W. Whites Bridge Ave.
Tank Owner Mailing City: Kerman
Tank Owner Mailing State: CA
Tank Owner Mailing Zip: 93630
Tank Capacity Gallons: 15000
Tank Piping Construction: Double Walled
Tank Piping Type: Pressure
Tank Pw Piping Construction: Fiberglass
Tank Sacrificial Anode: No

Tank Closure Date:
Tank Configuration: One in a Compartmented Unit
Tank Contents: Regular Unleaded
Tank Cp Impr Curr: No
Tank Cp Shutoff: Yes
Tank Installatn Dt: 2/10/2022 12:00:00 AM
Tank No of Compart: 2
Tank Pc Constructn: Steel
Tank Spill Bucket: Yes
Tribal Lands: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	1 of2	SSE	0.14 / 761.97	223.67 / -1	BUTCHS AUTO PARTS INC 14695 W WHITESBRIDGE RD KERMAN CA 93630	RCRA SQG

EPA Handler ID: CAD982512568
Gen Status Universe: Small Quantity Generator
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 14695 W WHITESBRIDGE RD , , KERMAN , CA, 93630 , US
Contact Phone No and Ext: 209-846-6660
Contact Email:
Contact Country: US
County Name: FRESNO
EPA Region: 09
Land Type:
Receive Date: 19880523
Location Latitude: 36.734949
Location Longitude: -120.053086

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19880523
Handler Name: BUTCHS AUTO PARTS INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: BUTCH TURNER
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Ended Current: | **State:** ME
Phone: 415-555-1212 | **Country:**
Source Type: Notification | **Zip Code:** 99999

25	2 of2	SSE	0.14 / 761.97	223.67 / -1	BUTCH'S AUTO PARTS & MACH SHOP 14695 W WHITESBRIDGE KERMAN CA 93630	CUPA FRESNO

Facility ID: FA0272183 | **Zip:** 93630
CERS ID: | **GIS Longitude:** -120.055512793
SWIS No: | **GIS Latitude:** 36.7341804847
APN: 02303029S | **Cross Street:**

Detail(s)

Program Element: HAZ MAT DISCLOSURE-BELOW REPORTING QUANTITY
Program Identifier:

26	1 of1	S	0.14 / 763.51	222.43 / -2	AUTOZONE #5324 14923 WHITESBRIDGE RD KERMAN CA 93630	RCRA NON GEN

EPA Handler ID: CAL000356836
Gen Status Universe: No Report
Contact Name: BRYAN BLAIR
Contact Address: DEPT 8190, 123 SOUTH FRONT STREET , , MEMPHIS , TN, 38103 ,
Contact Phone No and Ext: 901-495-7217
Contact Email: BRYAN.BLAIR@AUTOZONE.COM
Contact Country:
County Name: FRESNO
EPA Region: 09
Land Type:
Receive Date: 20100913
Location Latitude: 36.73486
Location Longitude: -120.058659

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Date: 20100913
Handler Name: AUTOZONE #5324
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: BRYAN BLAIR
Date Became Current:
Date Ended Current:
Phone: 901-495-7217
Source Type: Implementer

Street No:
Street 1: DEPT 8190, 123 SOUTH FRONT STREET
Street 2:
City: MEMPHIS
State: TN
Country:
Zip Code: 38103

Owner/Operator Ind: Current Owner
Type: Other
Name: AUTO ZONE CORPORTATION
Date Became Current:
Date Ended Current:
Phone: 901-495-6500
Source Type: Implementer

Street No:
Street 1: 123 S FRONT ST
Street 2:
City: MEMPHIS
State: TN
Country:
Zip Code: 38103-3607

27	1 of1	WNW	0.15 / 765.84	223.67 / -1	ELANORA VALLANDINGHAM 447 NO. MADERA AVE KERMAN CA	HIST TANK

Owner Name: ELANORA VALLANDINGHAM
Owner Street: 447 NO. MADERA AVE.
Owner City: KERMAN
Owner State: CA
Owner Zip: 93630

No of Containers: 1
County: FRESNO
Facility State: CA
Facility Zip: 93630

28	1 of5	SSW	0.15 / 777.11	222.24 / -3	BEACON #555 14985 W WHITESBRIDGE AVE KERMAN CA 93630	CUPA FRESNO

Facility ID: FA0170274
CERS ID:
SWIS No:
APN: 02303050

Zip: 93630
GIS Longitude: -120.059528087
GIS Latitude: 36.7343857076
Cross Street: MADERA

Detail(s)

Program Element: UST REMOVAL/CLOSURE W/3 TANKS
Program Identifier:

Program Element: HAZ MAT DISCLOSURE/CLOSED SITE
Program Identifier:

28	2 of5	SSW	0.15 / 777.11	222.24 / -3	BEACON STATION 555 14985 W. WHITESBRIDGE KERMAN CA 93630	HHSS

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024569.pdf

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28	3 of5	SSW	0.15 / 777.11	222.24 / -3	BEACON #3555 14985 W WHITESBRIDGE KERMAN CA 93630	EMISSIONS

2004 Criteria Data

Facility ID:	82	***CERR Code:***	
Facility SIC Code:	5541	***TOGT:***	.7333631186053452186633470078710818905 4
CO:	10	***ROGT:***	.729685708
Air Basin:	SJV	***COT:***	
District:	SJU	***NOXT:***	
COID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	
CHAPIS:		***PM10T:***	

2004 Toxic Data

Facility ID:	82	***COID:***	FRE
Facility SIC Code:	5541	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	82	***CERR Code:***	
Facility SIC Code:	5541	***TOGT:***	.7333631186053452186633470078710818905 4
CO:	10	***ROGT:***	.729685708
Air Basin:	SJV	***COT:***	
District:	SJU	***NOXT:***	
COID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	
CHAPIS:		***PM10T:***	

2005 Toxic Data

Facility ID:	82	***COID:***	FRE
Facility SIC Code:	5541	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	82	***CERR Code:***	
Facility SIC Code:	5541	***TOGT:***	.5748011673940542774893466163377653302709
CO:	10	***ROGT:***	.5717608343505864
Air Basin:	SJV	***COT:***	
District:	SJU	***NOXT:***	
COID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	
CHAPIS:		***PM10T:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2006 Toxic Data

Facility ID:	82	***COID:***	FRE
Facility SIC Code:	5541	***DISN:***	SAN JOAQUIN VALLEY APCD
CO:	10	***CHAPIS:***	
Air Basin:	SJV	***CERR Code:***	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

28	*4 of5*	*SSW*	*0.15 / 777.11*	*222.24 / -3*	***BEACON STATION #555*** ***14985 W. WHITESBRIDGE*** ***KERMAN CA***	***HIST TANK***

Owner Name:	IRVING GROSER	***No of Containers:***	3
Owner Street:	806 WEST SANTA ANA	***County:***	FRESNO
Owner City:	FRESNO	***Facility State:***	CA
Owner State:	CA	***Facility Zip:***	93630
Owner Zip:	93705		

28	*5 of5*	*SSW*	*0.15 / 777.11*	*222.24 / -3*	***BEACON STATION #555*** ***14985 W WHITESBRIDGE*** ***KERMAN CA***	***UST SWEEPS***

C C:	A10-000-42186	***D Filename:***	SITE09A
BOE:	44-024660	***Page No:***	316
Comp:	42186	***County:***	FRESNO
Status:	ACTIVE	***State :***	CA
No of Tanks:	3	***Zip:***	93630
Jurisdict:	FRESNO COUNTY	***Latitude:***	0
Agency:	ENVIRONMENTAL HEALTH	***Longitude:***	0
Phone:		***Georesult:***	N

Tank Details

Tank ID:	000003	***S Contain:***	
O Tank ID:	555-2	***Stg:***	P
SWRCB No:	10-000-042186-000003	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	11-30-92	***Content:***	REG UNLEADED
Capac:	12000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK9A

Tank Details

Tank ID:	000001	***S Contain:***	
O Tank ID:	#555-2	***Stg:***	P
SWRCB No:	10-000-042186-000001	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	05-04-89	***Content:***	LEADED
Capac:	12000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK9A

Tank Details

Tank ID:	000002	***S Contain:***	
O Tank ID:	555-3	***Stg:***	P

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SWRCB No:	10-000-042186-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	11-30-92	**Content:**	REG UNLEADED
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

29	1 of3	SW	0.15 / 794.43	222.82 / -2	**DOLLAR TREE #02955** **15156 W WHITESBRIDGE AVE** **KERMAN CA 93630**	**CUPA FRESNO**

Facility ID:	FA0277338	**Zip:**	93630
CERS ID:	10467982	**GIS Longitude:**	-120.0625
SWIS No:		**GIS Latitude:**	36.7363
APN:	02012019S	**Cross Street:**	

Detail(s)

Program Element:	MV FUEL/OIL/PROPANE ONLY IN AGST/UST MODEL PL
Program Identifier:	
Program Element:	HAZARDOUS WASTE GENERATOR (CESQG)
Program Identifier:	

29	2 of3	SW	0.15 / 794.43	222.82 / -2	**DOLLAR TREE #02955** **15156 W WHITESBRIDGE AVE** **KERMAN CA 93630**	**RCRA NON GEN**

EPA Handler ID:	CAL000390940
Gen Status Universe:	No Report
Contact Name:	ANGELA JONES
Contact Address:	500 VOLVO PKWY , , CHESAPEAKE , VA, 23320-1604 ,
Contact Phone No and Ext:	757-321-5761
Contact Email:	AJONES@DOLLARTREE.COM
Contact Country:	
County Name:	FRESNO
EPA Region:	09
Land Type:	
Receive Date:	20131106
Location Latitude:	36.734961
Location Longitude:	-120.061602

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20131106
Handler Name:	DOLLAR TREE #02955
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	500 VOLVO PKWY
Name:	ANGELA JONES	***Street 2:***	
Date Became Current:		***City:***	CHESAPEAKE
Date Ended Current:		***State:***	VA
Phone:	757-321-5761	***Country:***	
Source Type:	Implementer	***Zip Code:***	23320-1604
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	500 VOLVO PKWY
Name:	DOLLAR TREE STORES, INC.	***Street 2:***	
Date Became Current:		***City:***	CHESAPEAKE
Date Ended Current:		***State:***	VA
Phone:	757-321-5000	***Country:***	
Source Type:	Implementer	***Zip Code:***	23320-1604

29	*3 of3*	*SW*	*0.15 / 794.43*	*222.82 / -2*	***KERMAN SHOPPING PLAZA, LLC*** ***15160 W WHITESBRIDGE AVE*** ***KERMAN CA 93630***	***RCRA NON GEN***

EPA Handler ID:	CAC002980355
Gen Status Universe:	No Report
Contact Name:	R. BRANDEN
Contact Address:	15160 W WHITESBRIDGE AVE , , KERMAN , CA, 93630 ,
Contact Phone No and Ext:	559-256-4005
Contact Email:	MARYANNM@CVECORP.COM
Contact Country:	
County Name:	FRESNO
EPA Region:	09
Land Type:	
Receive Date:	20180914
Location Latitude:	36.734961
Location Longitude:	-120.061602

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No

Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180914
Handler Name: KERMAN SHOPPING PLAZA, LLC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: KERMAN SHOPPING PLAZA, LLC
Date Became Current:
Date Ended Current:
Phone: 559-256-4005
Source Type: Implementer
Street No:
Street 1: 15160 W WHITESBRIDGE AVE
Street 2:
City: KERMAN
State: CA
Country:
Zip Code: 93630

Owner/Operator Ind: Current Operator
Type: Other
Name: R. BRANDEN
Date Became Current:
Date Ended Current:
Phone: 559-256-4005
Source Type: Implementer
Street No:
Street 1: 15160 W WHITESBRIDGE AVE
Street 2:
City: KERMAN
State: CA
Country:
Zip Code: 93630

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30 | ***1 of3*** | ***SSW*** | ***0.16 / 847.25*** | ***222.20 / -3*** | ***CVS PHARMACY #4446 14967 W WHITESBRIDGE AVE KERMAN CA 93630*** | ***CUPA FRESNO***

Facility ID: FA0281336
CERS ID: 10410184
SWIS No:
APN: 02303050
Zip: 93630
GIS Longitude: -120.0595
GIS Latitude: 36.7343
Cross Street:

Detail(s)

Program Element: HAZ MAT DISCLOSURE/CLOSED SITE
Program Identifier:

Program Element: HAZARDOUS WASTE GENERATOR (CESQG)
Program Identifier:

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30 | ***2 of3*** | ***SSW*** | ***0.16 / 847.25*** | ***222.20 / -3*** | ***GARFIELD BEACH CVS LLC 14967 W WHITESBRIDGE RD KERMAN CA 93630*** | ***CUPA FRESNO***

Facility ID: FA0281609
CERS ID:
SWIS No:
APN: 02303050
Zip: 93630
GIS Longitude:
GIS Latitude:
Cross Street: MADERA

Detail(s)

Program Element: UST REMOVAL/CLOSURE W/5 TANKS
Program Identifier:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	3 of3	SSW	0.16 / 847.25	222.20 / -3	CVS PHARMACY # 4446 14967 WEST WHITESBRIDGE ROAD KERMAN CA 93630-1111	RCRA LQG

EPA Handler ID: CAR000232942
Gen Status Universe: Large Quantity Generator
Contact Name: NICOLE WILKINSON
Contact Address: 1 , CVS DR MC2340 , , WOONSOCKET , RI, 02895 , US
Contact Phone No and Ext: 401-770-7132
Contact Email: NICOLE.WILKINSON@CVSHEALTH.COM
Contact Country: US
County Name: FRESNO
EPA Region: 09
Land Type: Private
Receive Date: 20220210
Location Latitude: 36.734903
Location Longitude: -120.059487

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20121025
Handler Name: CVS PHARMACY NO 4446
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: P001
Waste Code Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Hazardous Waste Code: P042
Waste Code Description: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: P081
Waste Code Description: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20140301
Handler Name: CVS PHARMACY #4446
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 131
Waste Code Description: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 541
Waste Code Description: Photochemicals / photo processing waste

Hazardous Waste Code: 561
Waste Code Description: Detergent and soap

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code:	D004
Waste Code Description:	ARSENIC
Hazardous Waste Code:	D005
Waste Code Description:	BARIUM
Hazardous Waste Code:	D006
Waste Code Description:	CADMIUM
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM
Hazardous Waste Code:	D008
Waste Code Description:	LEAD
Hazardous Waste Code:	D009
Waste Code Description:	MERCURY
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	D016
Waste Code Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE
Hazardous Waste Code:	D024
Waste Code Description:	M-CRESOL
Hazardous Waste Code:	D027
Waste Code Description:	1,4-DICHLOROBENZENE
Hazardous Waste Code:	D035
Waste Code Description:	METHYL ETHYL KETONE
Hazardous Waste Code:	D039
Waste Code Description:	TETRACHLOROETHYLENE
Hazardous Waste Code:	P001
Waste Code Description:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Hazardous Waste Code:	P012
Waste Code Description:	ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE
Hazardous Waste Code:	P075
Waste Code Description:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
Hazardous Waste Code:	P081
Waste Code Description:	1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
Hazardous Waste Code:	P188
Waste Code Description:	BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE
Hazardous Waste Code:	U002
Waste Code Description:	2-PROPANONE (I) (OR) ACETONE (I)
Hazardous Waste Code:	U010
Waste Code Description:	AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

Hazardous Waste Code:	U031
Waste Code Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Hazardous Waste Code:	U034
Waste Code Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
Hazardous Waste Code:	U035
Waste Code Description:	BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL
Hazardous Waste Code:	U044
Waste Code Description:	CHLOROFORM (OR) METHANE, TRICHLORO-
Hazardous Waste Code:	U058
Waste Code Description:	2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE
Hazardous Waste Code:	U059
Waste Code Description:	5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL) OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN
Hazardous Waste Code:	U070
Waste Code Description:	BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
Hazardous Waste Code:	U072
Waste Code Description:	BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
Hazardous Waste Code:	U089
Waste Code Description:	DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-
Hazardous Waste Code:	U122
Waste Code Description:	FORMALDEHYDE
Hazardous Waste Code:	U129
Waste Code Description:	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
Hazardous Waste Code:	U132
Waste Code Description:	HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-
Hazardous Waste Code:	U150
Waste Code Description:	L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
Hazardous Waste Code:	U151
Waste Code Description:	MERCURY
Hazardous Waste Code:	U154
Waste Code Description:	METHANOL (I) (OR) METHYL ALCOHOL (I)
Hazardous Waste Code:	U165
Waste Code Description:	NAPHTHALENE
Hazardous Waste Code:	U188
Waste Code Description:	PHENOL
Hazardous Waste Code:	U200
Waste Code Description:	RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL) OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-
Hazardous Waste Code:	U201
Waste Code Description:	1,3-BENZENEDIOL (OR) RESORCINOL
Hazardous Waste Code:	U204
Waste Code Description:	SELENIOUS ACID (OR) SELENIUM DIOXIDE
Hazardous Waste Code:	U205
Waste Code Description:	SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)
Hazardous Waste Code:	U206
Waste Code Description:	D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-

DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN

Hazardous Waste Code: U210
Waste Code Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Hazardous Waste Code: U279
Waste Code Description: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Hazardous Waste Code: U411
Waste Code Description: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20160830
Handler Name: CVS PHARMACY #4446
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Hazardous Waste Code: P001
Waste Code Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U129
Waste Code Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Hazardous Waste Code: U205
Waste Code Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20180301
Handler Name: CVS PHARMACY # 4446
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D024
Waste Code Description: M-CRESOL

Hazardous Waste Code: P001
Waste Code Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U129
Waste Code Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Hazardous Waste Code: U205
Waste Code Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20200215
Handler Name: CVS PHARMACY # 4446
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181

Waste Code Description:	Other inorganic solid waste
Hazardous Waste Code:	214
Waste Code Description:	Unspecified solvent mixture
Hazardous Waste Code:	311
Waste Code Description:	Pharmaceutical waste
Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	352
Waste Code Description:	Other organic solids
Hazardous Waste Code:	725
Waste Code Description:	Liquids with mercury > 20 mg/l
Hazardous Waste Code:	791
Waste Code Description:	Liquids with pH < 2
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D003
Waste Code Description:	REACTIVE WASTE
Hazardous Waste Code:	D005
Waste Code Description:	BARIUM
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM
Hazardous Waste Code:	D009
Waste Code Description:	MERCURY
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE
Hazardous Waste Code:	D022
Waste Code Description:	CHLOROFORM
Hazardous Waste Code:	D024
Waste Code Description:	M-CRESOL
Hazardous Waste Code:	D025
Waste Code Description:	P-CRESOL
Hazardous Waste Code:	D026
Waste Code Description:	CRESOL
Hazardous Waste Code:	D035
Waste Code Description:	METHYL ETHYL KETONE
Hazardous Waste Code:	P001
Waste Code Description:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Hazardous Waste Code:	P075
Waste Code Description:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U034
Waste Code Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Hazardous Waste Code: U035
Waste Code Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Hazardous Waste Code: U058
Waste Code Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U129
Waste Code Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Hazardous Waste Code: U132
Waste Code Description: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U205
Waste Code Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200430
Handler Name: CVS PHARMACY # 4446
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Deactivation

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20220210
Handler Name: CVS PHARMACY # 4446
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181

Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 541
Waste Code Description: Photochemicals / photo processing waste

Hazardous Waste Code: 725
Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: P001
Waste Code Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Hazardous Waste Code: P075
Waste Code Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U034
Waste Code Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Hazardous Waste Code: U129
Waste Code Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U188

Waste Code Description: PHENOL

Hazardous Waste Code: U205
Waste Code Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	1869
Type:	Private	***Street 1:***	N VERMONT AVE
Name:	KATHANA LLC	***Street 2:***	
Dt Became Current:	20101201	***City:***	LOS ANGELES
Dt Ended Current:		***State:***	CA
Phone:	323-668-0429	***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	90027

Owner/Operator Ind:	Current Operator	***Street No:***	1
Type:	Private	***Street 1:***	CVS DRIVE
Name:	GARFIELD BEACH CVS, L.L.C.	***Street 2:***	
Dt Became Current:	20100620	***City:***	WOONSOCKET
Dt Ended Current:		***State:***	RI
Phone:	401-765-1500	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	02895

Owner/Operator Ind:	Current Operator	***Street No:***	1
Type:	Private	***Street 1:***	CVS DRIVE MC2340
Name:	GARFIELD BEACH CVS, L.L.C.	***Street 2:***	
Dt Became Current:	20100620	***City:***	WOONSOCKET
Dt Ended Current:		***State:***	RI
Phone:	401-765-1500	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	02895

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	1869 N VERMONT AVE
Name:	KATHANA LLC	***Street 2:***	
Dt Became Current:	20101201	***City:***	LOS ANGELES
Dt Ended Current:		***State:***	CA
Phone:	323-668-0429	***Country:***	US
Source Type:	Notification	***Zip Code:***	90027

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GARFIELD BEACH CVS, L.L.C.	***Street 2:***	
Dt Became Current:	20100620	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	1869
Type:	Private	***Street 1:***	N VERMONT AVE
Name:	KATHANA LLC	***Street 2:***	
Dt Became Current:	20101201	***City:***	LOS ANGELES
Dt Ended Current:		***State:***	CA
Phone:	323-668-0429	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	90027

Owner/Operator Ind:	Current Owner	***Street No:***	1869
Type:	Private	***Street 1:***	N VERMONT AVE
Name:	KATHANA LLC	***Street 2:***	
Dt Became Current:	20101201	***City:***	LOS ANGELES
Dt Ended Current:		***State:***	CA
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	90027

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GARFIELD BEACH CVS, LLC	***Street 2:***	
Dt Became Current:	20100620	***City:***	
Dt Ended Current:		***State:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	1869
Type:	Private	**Street 1:**	N VERMONT AVE
Name:	KATHANA LLC	**Street 2:**	
Dt Became Current:	20101201	**City:**	LOS ANGELES
Dt Ended Current:		**State:**	CA
Phone:	323-668-0429	**Country:**	US
Source Type:	Deactivation	**Zip Code:**	90027
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GARFIELD BEACH CVS LLC	**Street 2:**	
Dt Became Current:	20100620	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	1869
Type:	Private	**Street 1:**	N VERMONT AVE
Name:	KATHANA LLC	**Street 2:**	
Dt Became Current:	20101201	**City:**	LOS ANGELES
Dt Ended Current:		**State:**	CA
Phone:	401-765-1500	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	90027
Owner/Operator Ind:	Current Operator	**Street No:**	1
Type:	Private	**Street 1:**	CVS DRIVE
Name:	GARFIELD BEACH CVS, L.L.C.	**Street 2:**	
Dt Became Current:	20100620	**City:**	WOONSOCKET
Dt Ended Current:		**State:**	RI
Phone:	401-765-1500	**Country:**	US
Source Type:	Deactivation	**Zip Code:**	02895

Historical Handler Details

Receive Dt:	20200430
Generator Code Description:	Not a Generator, Verified
Handler Name:	CVS PHARMACY # 4446
Receive Dt:	20200215
Generator Code Description:	Large Quantity Generator
Handler Name:	CVS PHARMACY # 4446
Receive Dt:	20180301
Generator Code Description:	Large Quantity Generator
Handler Name:	CVS PHARMACY # 4446
Receive Dt:	20160830
Generator Code Description:	Large Quantity Generator
Handler Name:	CVS PHARMACY #4446
Receive Dt:	20140301
Generator Code Description:	Large Quantity Generator
Handler Name:	CVS PHARMACY #4446
Receive Dt:	20121025
Generator Code Description:	Large Quantity Generator
Handler Name:	CVS PHARMACY NO 4446

31	*1 of1*	*SSW*	*0.16 / 847.78*	*222.23 / -3*	***KERMAN DIALYSIS CENTER LLC*** ***14945 W WHITESBRIDGE AVE*** ***KERMAN CA 93630-1111***	***RCRA NON GEN***

EPA Handler ID:	CAL000409483
Gen Status Universe:	No Report

Contact Name:	RUSSEL BUNKER
Contact Address:	14945 W WHITESBRIDGE AVE , , KERMAN , CA, 93630 ,
Contact Phone No and Ext:	559-417-0457
Contact Email:	RBUNKER@AMERICANRENAL.COM
Contact Country:	
County Name:	FRESNO
EPA Region:	09
Land Type:	
Receive Date:	20150820
Location Latitude:	36.73486
Location Longitude:	-120.058958

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20150820
Handler Name:	KERMAN DIALYSIS CENTER LLC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	14945 W WHITESBRIDGE AVE
Name:	KERMAN DIALYSIS CENTER LLC	***Street 2:***	
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	559-846-0023	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630-1111

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	14945 W WHITESBRIDGE AVE
Name:	RUSSEL BUNKER	***Street 2:***	
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	559-417-0457	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	1 of8	SSW	0.17 / 882.17	222.27 / -2	KERMAN CAR WASH 127 MADERA AVE S KERMAN CA 93630	DELISTED TNK

Delisted Storage Tanks

Facility ID: FA0169968
Latitude: 36.7342444444444
Longitude: -120.060458333333
Permitting Agency: FRESNO COUNTY
County: Fresno
Original Source: UST
Record Date: 30-JAN-2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	2 of8	SSW	0.17 / 882.17	222.27 / -2	KERMAN CAR WASH 127 S MADERA AVE S OF KERMAN CA 93630	CUPA FRESNO

Facility ID: FA0169968
CERS ID: 10699033
SWIS No:
APN: 02339017S
Zip: 93630
GIS Longitude: -120.0605629
GIS Latitude: 36.7342915
Cross Street: WHITESBRIDGE

Detail(s)

Program Element: MV FUEL/OIL/PROPANE ONLY IN AGST/UST MODEL PL
Program Identifier:

Program Element: UST FACILITY WITH 1 TO 3 TANKS
Program Identifier:

Program Element: UST REMOVAL/CLOSURE W/3 TANKS
Program Identifier:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	3 of8	SSW	0.17 / 882.17	222.27 / -2	KERMAN CAR WASH 127 S. MADERA AVE KERMAN CA 93630	HHSS

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024aee.pdf

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	4 of8	SSW	0.17 / 882.17	222.27 / -2	KERMAN CAR WASH INC 127 S MADERA AVE KERMAN CA 93630	CERS TANK

Site ID: 378685
Latitude: 36.734401
Longitude: -120.060256

Regulated Programs

EI ID: 10699033
EI Description: Chemical Storage Facilities

EI ID: 10699033
EI Description: Underground Storage Tank

Violations

Violation Date: 09/13/2023
Violation Program: UST
Violation Source: CERS
Violation Division: Fresno County Department of Public Health
Citation: HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Notes:

49. VIOLATION: Failure to maintain secondary containment (e.g. failure of secondary containment testing). (HSC 6.7 25290.1(c), 25290.1(e), 25290.2 (c), 25291(a)(2)) OBSERVATION: Secondary containment has not been properly maintained as evidenced by failed secondary containment testing. SECONDARY TESTING ON 4/29/21 FAILED. CORRECTIVE ACTION: Repair secondary containment as needed and retest. Notify CUPA of testing and submit results.

Violation Description:

Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Violations

Violation Date: 11/18/2013 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Notes:

Returned to compliance on 11/10/2014.

Violation Description:

UST Program - Administration/Documentation - General

Violations

Violation Date: 11/16/2022 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: 23 CCR 16 2637(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(f)
Violation Notes:

Returned to compliance on 08/22/2023. 12. VIOLATION: Failure to submit a copy of the secondary containment test results on the ?Secondary Containment Testing Report Form? to the UPA within 30 days after the test. (23 CCR 16 2637(e), (f)) OBSERVATION: Owner/Operator did not submit secondary containment test results to the CUPA within 30 days after the test. CORRECTIVE ACTION: Submit secondary containment test results to the CUPA within 30 days after the test.

Violation Description:

Failure to submit a copy of the secondary containment test results on the "Secondary Containment Testing report Form" to the UPA within 30 days after the test.

Violations

Violation Date: 02/17/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Notes:

Returned to compliance on 04/04/2017.

Violation Description:

Failure to obtain a valid permit to operate from the CUPA.

Violations

Violation Date: 09/13/2023 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Notes:

50. VIOLATION: Failure to meet one or more of the following requirements: 1. Install or maintain a liquid-tight spill container. 2. Have a minimum capacity of five gallons. 3. Have a functional drain valve or other method for the removal of liquid from the spill container. 4. Be resistant to galvanic

corrosion. 5. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. 6. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 7. Tested by a certified UST service technician. 8. Maintain records of spill containment testing for 36 months. (23 CCR 16 2635(b), 2637.1(a), 2637.1(b), 2637.1(c), 2665(a), 2665(b), 2712(b)(1)(F); HSC 6.7 25284.2) OBSERVATION: Owner/Operator failed to meet one or more of the following spill container requirements: install or maintain spill container which is liquid-tight, has a minimum capacity of five gallo

Violation Description:

"Failure to meet one or more of the following requirements:

Install or maintain a liquid-tight spill container.

Have a minimum capacity of five gallons.

Have a functional drain valve or other method for the removal of liquid from the spill container.

Be resistant to galvanic corrosion.

Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container.

Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer.

Tested by a certified UST service technician.

Maintain records of spill containment testing for 36 months.

"

Violations

Violation Date: 11/18/2013 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.7 25281.5(b)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25281.5(b)(2)
Violation Notes:

Returned to compliance on 11/10/2014.

Violation Description:

Failure to conduct daily inspection of the piping and maintain a log of inspection results for review by the CUPA.

Violations

Violation Date: 06/12/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Notes:

Returned to compliance on 02/08/2015.

Violation Description:

Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violations

Violation Date: 11/16/2022 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Notes:

Returned to compliance on 11/16/2022. 50. VIOLATION: Failure to meet one or more of the following requirements: 1. Install or maintain a liquid-tight spill container. 2. Have a minimum capacity of five gallons. 3. Have a functional drain valve or other method for the removal of liquid from the spill

container. 4. Be resistant to galvanic corrosion. 5. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. 6. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 7. Tested by a certified UST service technician. 8. Maintain records of spill containment testing for 36 months. (23 CCR 16 2635(b), 2637.1(a), 2637.1(b), 2637.1(c), 2665(a), 2665(b), 2712(b)(1)(F); HSC 6.7 25284.2)

Violation Description:

"Failure to meet one or more of the following requirements:

Install or maintain a liquid-tight spill container.

Have a minimum capacity of five gallons.

Have a functional drain valve or other method for the removal of liquid from the spill container.

Be resistant to galvanic corrosion.

Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container.

Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer.

Tested by a certified UST service technician.

Maintain records of spill containment testing for 36 months.

"

Violations

Violation Date: 11/16/2022 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Notes:

Returned to compliance on 11/16/2022. 9. VIOLATION: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vacuum, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.). (23 CCR 16 2638 (a) & (b), 2641(j), 2715(f)) OBSERVATION: Owner/Operator did not have a properly qualified service technician test leak detection equipment every 12 months (VPH, sensor, LLD, ATG, etc.). CORRECTIVE ACTION: Have a properly qualified service technician test leak detection equipment every 12 months.

Violation Description:

Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).

Violations

Violation Date: 09/13/2023 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: 23 CCR 16 2636(f)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(4)
Violation Notes:

Returned to compliance on 09/13/2023. 26. VIOLATION: Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested every 12 months: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC). (23 CCR 16 2636(f)(4)) OBSERVATION: Owner/Operator, in lieu of annual tightness testing, failed to maintain all product piping, outside the dispenser, to be fail-safe and capable of shutting down the pump when a leak is detected and a monitoring system capable of shutting down the pump or stops the flow (flow restriction) when a leak is detected in the under dispenser containment. - THE EAST IMPACT VALUE WAS NOT PROPERLY THREADED. CORRECTED ON SITE. TECHNICIAN REPAIRED ON SITE.

Violation Description:

Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested every 12 months: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC).

Violations

Violation Date: 11/18/2013 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Returned to compliance on 11/10/2014.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date: 09/13/2023 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Notes:

Returned to compliance on 09/13/2023. NOTED IN ERROR

Violation Description:

"Failure to conduct secondary containment testing, or one or more of the following requirements:

Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter.

Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring.

Use a procedure that demonstrates the system works as well as at installation.
Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.

Performed by a certified service technician.

Maintain records of secondary containment testing for 36 months."

Violations

Violation Date: 01/15/2016 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Notes:

Returned to compliance on 03/29/2017.

Violation Description:

Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violations

Violation Date: 02/17/2017 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Notes:

Returned to compliance on 03/10/2017.

Violation Description:

Failure to conduct secondary containment testing, or one or more of the following requirements:
Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at

installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.

Violations

Violation Date: 11/10/2014 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Notes:

Returned to compliance on 01/09/2015. diesel

Violation Description:

Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.

Violations

Violation Date: 11/18/2013 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Fresno County Department of Public Health
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Notes:

Returned to compliance on 11/10/2014.

Violation Description:

Failure to submit, obtain approval, or maintain a complete/accurate response plan.

Evaluations

Eval Date: 02/17/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/15/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

ANNUAL MC INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/06/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

BP INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/16/2022
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

No violations observed at the time of inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/21/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

SB9898 test indicates failures. SB989 repair needed; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/22/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 01/09/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

REINSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/13/2023
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

#26- THE EAST IMPACT VALVE AT DISPENSER 3/4 WERE NOT THREADED PROPERLY. REPAIRED ON-SITE BY TECHNICIAN. #49- SECONDARY TEST FROM 4/29/21 FAILED. OPERATOR IS APPLYING FOR RUST PROGRAM FOR REPAIR. #50- THE DIESEL SPILL BUCKET FAILED. REPAIR/REPLACE AND SUBMIT IN VERFICATION TO CUPA (ACTIVITY MAY BE SUJECT TO PERMIT FROM FRESNO COUNTY ENVIRONMENTAL HEALTH).; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/18/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST

Eval Source: CERS
Eval Notes:

MC - SEE INSPECTION REPORT FOR LIST OF VIOLATIONS; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/16/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

9. Monitor certification was due in September. Perform next monitor cert by September 2023. 12. Submit secondary containment testing reports. 50. The diesel spill bucket test failed inspection. Repair/retest and submit passing results within 30 days. MC Conducted today by Andrew Shaffer of LC Services.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/06/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/10/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

MC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/12/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Fresno County Department of Public Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

BP INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Identification Signer
Entity Name: RAJ DHALIWAL
Entity Title: OWNER
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner

Entity Name:	KERMAN CAR WASH INC
Entity Title:	
Address:	127 S. MADERA AVE.
City:	KERMAN
State:	CA
Country:	United States
Zip Code:	93630
Phone:	(559) 217-4974

Affil Type Desc:	Environmental Contact
Entity Name:	RAJ DHALIWAL
Entity Title:	
Address:	P.O. BOX 689
City:	KERMAN
State:	CA
Country:	
Zip Code:	93630
Phone:	

Affil Type Desc:	UST Tank Operator
Entity Name:	KERMAN CAR WASH INC
Entity Title:	
Address:	127 S. MADERA AVE
City:	KERMAN
State:	CA
Country:	United States
Zip Code:	93630
Phone:	(559) 217-4974

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	127 S MADERA AVE
City:	KERMAN
State:	CA
Country:	
Zip Code:	93630
Phone:	

Affil Type Desc:	Parent Corporation
Entity Name:	KERMAN CAR WASH
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Document Preparer
Entity Name:	June Milner
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Operator
Entity Name:	RAJ DHALIWAL
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(559) 217-4974

Affil Type Desc:	CUPA District
Entity Name:	Fresno County Community Health Department
Entity Title:	
Address:	1221 Fulton St., 3rd FloorP.O. Box 11867
City:	Fresno
State:	CA
Country:	
Zip Code:	93775
Phone:	(559) 600-3271

Affil Type Desc:	UST Property Owner Name
Entity Name:	BAKMAN RANCH
Entity Title:	
Address:	PO BOX 7965
City:	FRESNO
State:	CA
Country:	United States
Zip Code:	93747
Phone:	(559) 994-0396

Affil Type Desc:	UST Permit Applicant
Entity Name:	GURINDERDEEP DHALIWAL
Entity Title:	OPERATOR
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(559) 217-4974

Affil Type Desc:	UST Tank Owner
Entity Name:	KERMAN CAR WASH INC
Entity Title:	
Address:	127 S. MADERA AVE.
City:	KERMAN
State:	CA
Country:	United States
Zip Code:	93630
Phone:	(559) 217-4974

Coordinates

Env Int Type Code:	HMBP	***Longitude:***	-120.061190
Program ID:	10699033	***Coord Name:***	
Latitude:	36.734116	***Ref Point Type Desc:***	Entrance point of a facility or station

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	5 of8	SSW	0.17 / 882.17	222.27 / -2	KERMAN CAR WASH 127 S MADERA KERMAN CA 93630	EMISSIONS

2004 Criteria Data

Facility ID:	716	***CERR Code:***	
Facility SIC Code:	5541	***TOGT:***	.2324571895456963437026550837858237510226
CO:	10	***ROGT:***	.2313
Air Basin:	SJV	***COT:***	
District:	SJU	***NOXT:***	
COID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD	***PMT:***	
CHAPIS:		***PM10T:***	

2004 Toxic Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2005 Criteria Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .2324571895456963437026550837858237510226
ROGT: .2313
COT:
NOXT:
SOXT:
PMT:
PM10T:

2005 Toxic Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2006 Criteria Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .1298116210146829848431943050229015434496
ROGT: .129125
COT:
NOXT:
SOXT:
PMT:
PM10T:

2006 Toxic Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2007 Criteria Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .12461915617409566544946653282198548171 16
ROGT: .12396
COT:
NOXT:
SOXT:
PMT:
PM10T:

2007 Toxic Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2008 Criteria Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .14312715208302156916504003142946920534 64
ROGT: .14235
COT:
NOXT:
SOXT:
PMT:
PM10T:

2008 Toxic Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2009 Criteria Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .15266896222188967377604270019143381903 61
ROGT: .15184
COT:
NOXT:
SOXT:
PMT:
PM10T:

2009 Toxic Data

Facility ID:	716	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	716	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	716	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	.1819880870111539365422316500920394577227
CO:	10	**ROGT:**	.18099992774963387
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2011 Toxic Data

Facility ID:	716	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	716	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	.1745841134935632331949858976398891132983
CO:	10	**ROGT:**	.17363615634155272
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2012 Toxic Data

Facility ID:	716	**COID:**	FRE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	716	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	.17357
CO:	10	**ROGT:**	.17357
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2013 Toxic Data

Facility ID:	716	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	716	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	.17363615634155272
CO:	10	**ROGT:**	.17363615634155272
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2014 Toxic Data

Facility ID:	716	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

32	***6 of8***	***SSW***	***0.17 / 882.17***	***222.27 / -2***	***KERMAN CARWASH INC 127 S MADERA KERMAN CA 93630***	***EMISSIONS***

2015 Criteria Data

Facility ID:	716	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	.17357
CO:	10	**ROGT:**	.17357
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2015 Toxic Data

Facility ID:	716	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	716	**CERR CODE:**	
Facility SIC Code:	5541	**TOGT:**	.383396
CO:	10	**ROGT:**	.383396
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2016 Toxic Data

Facility ID:	716	**TS:**	
Facility SIC Code:	5541	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	FRE	**AH Index:**	
CO:	10	**Air Basin:**	SJV
DISN:	SAN JOAQUIN VALLEY APCD	**District:**	SJU
CHAPIS:			

2017 Criteria Data

Facility ID:	716	**CERR Code:**	
Facility SIC Code:	5541	**TOGT:**	.383396
CO:	10	**ROGT:**	.352646182
Air Basin:	SJV	**COT:**	
District:	SJU	**NOXT:**	
COID:	FRE	**SOXT:**	
DISN:	SAN JOAQUIN VALLEY APCD	**PMT:**	
CHAPIS:		**PM10T:**	

2017 Toxic Data

Facility ID:	716	**COID:**	FRE
Facility SIC Code:	5541	**DISN:**	SAN JOAQUIN VALLEY APCD
CO:	10	**CHAPIS:**	
Air Basin:	SJV	**CERR Code:**	
District:	SJU		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

2018 Criteria Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TOGT: .352646182
ROGT: .352646182
COT:
NOXT:
SOXT:
PMT:
PM10T:

2018 Toxic Data

Facility ID: 716
Facility SIC Code: 5541
CO: 10
Air Basin: SJV
District: SJU
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: FRE
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:

2019 Criteria Data

CO: 10
Air Basin: SJV
Facility ID: 716
District: SJU
Facility SIC Code: 5541
CO ID: FRE
DISN: SAN JOAQUIN VALLEY APCD
PM10T:
TOGT: .352646182
PMT:
CHAPIS:
CERR Code:
ROGT: .352646182
COT:
NOXT:
SOXT:

2019 Toxic Data

CO: 10
Air Basin: SJV
Faccility ID: 716
District: SJU
Facility SIC Code: 5541
COID: FRE
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: SAN JOAQUIN VALLEY APCD
CHAPIS:
CERR Code:
TS:
Health Risk Asmt:

2020 Criteria Data

CO: 10
Air Basin: SJV
Facility ID: 716
District: SJU
Facility SIC Code: 5541
CO ID: FRE
DISN: SAN JOAQUIN VALLEY APCD
TOGT: .352646182
PMT:
PM10T:
CHAPIS:
CERR Code:
ROGT: .352646182
COT:
NOXT:
SOXT:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2020 Toxic Data

CO:	10	***DISN:***	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	***CHAPIS:***	
Facility ID:	716	***CHERR Code:***	
District:	SJU	***TS:***	
Facility SIC Code:	5541	***Health Risk Asmt:***	
COID:	FRE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2021 Toxic Data

Co:	10	***DISN:***	SAN JOAQUIN VALLEY APCD
Air Basin:	SJV	***CHAPIS:***	
Facility ID:	716	***Cerr Code:***	
District:	SJU	***TS:***	
Facility SIC Code:	5541	***Health Risk Asmt:***	
COID:	FRE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2021 Criteria Data

Co:	10	***CHAPIS:***	
Air Basin:	SJV	***Cerr Code:***	
Facility ID:	716	***ROGT:***	.271599499
District:	SJU	***COT:***	
Facility SIC Code:	5541	***NOXT:***	
CO ID:	FRE	***SOXT:***	
DISN:	SAN JOAQUIN VALLEY APCD		
TOGT:	.355786182		
PMT:			
PM10T:			

32	***7 of8***	***SSW***	***0.17 / 882.17***	***222.27 / -2***	***KERMAN CAR WASH INC*** ***127 S MADERA AVE*** ***KERMAN CA 93630***	***UST***

Facility ID:	FA0169968	***Latitude:***	36.7341156
CERS ID:	10699033	***Longitude:***	-120.0611981
County:	Fresno	***CalEnviroScrn 4 Pct:***	75-80%
Permitting Agency:	7000		
Site Facility Type:	PERMITTED UNDERGROUND STORAGE TANK (UST)		
Note:	Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search		

Tank Details

Epa Region:	9	***Tank Closure Date:***	
No. of Closed UST:	0	***Tank Configuration:***	One in a Compartmented Unit
No. of Inuse UST:		***Tank Contents:***	Diesel
No. of Oos UST:	0	***Tank Cp Impr Curr:***	No
Owner Type:	Non-Government	***Tank Cp Shutoff:***	Yes
Tank ID No.:	TY000603	***Tank Installatn Dt:***	5/6/1998 12:00:00 AM
Tank Status:	Confirmed/Updated Information	***Tank No of Compart:***	3
Tank Type:	Double Wall	***Tank Pc Constructn:***	Steel
Tank Alarms:	No	***Tank Spill Bucket:***	Yes
Tank Ball Float:	No	***Tribal Lands:***	No
Tank Operator Name:	KERMAN CAR WASH INC		
Tank Operator Mail Address:	127 S. MADERA AVE		
Tank Operator Mail City:	KERMAN		
Tank Operator Mail State:	CA		
Tank Operator Mail Zip:	93630		

Tank Owner Name:	KERMAN CAR WASH INC
Tank Owner Mailing Address:	127 S. MADERA AVE.
Tank Owner Mailing City:	KERMAN
Tank Owner Mailing State:	CA
Tank Owner Mailing Zip:	93630
Tank Capacity Gallons:	5000
Tank Piping Construction:	Double Walled
Tank Piping Type:	Pressure
Tank Pw Piping Construction:	Fiberglass
Tank Sacrificial Anode:	No

Tank Details

Epa Region:	9	**Tank Closure Date:**	
No. of Closed UST:	0	**Tank Configuration:**	One in a Compartmented Unit
No. of Inuse UST:		**Tank Contents:**	Premium Unleaded
No. of Oos UST:	0	**Tank Cp Impr Curr:**	No
Owner Type:	Non-Government	**Tank Cp Shutoff:**	Yes
Tank ID No.:	TY000602	**Tank Installatn Dt:**	5/6/1998 12:00:00 AM
Tank Status:	Confirmed/Updated Information	**Tank No of Compart:**	3
Tank Type:	Double Wall	**Tank Pc Constructn:**	Steel
Tank Alarms:	No	**Tank Spill Bucket:**	Yes
Tank Ball Float:	No	**Tribal Lands:**	No

Tank Operator Name:	KERMAN CAR WASH INC
Tank Operator Mail Address:	127 S. MADERA AVE
Tank Operator Mail City:	KERMAN
Tank Operator Mail State:	CA
Tank Operator Mail Zip:	93630
Tank Owner Name:	KERMAN CAR WASH INC
Tank Owner Mailing Address:	127 S. MADERA AVE.
Tank Owner Mailing City:	KERMAN
Tank Owner Mailing State:	CA
Tank Owner Mailing Zip:	93630
Tank Capacity Gallons:	8000
Tank Piping Construction:	Double Walled
Tank Piping Type:	Pressure
Tank Pw Piping Construction:	Fiberglass
Tank Sacrificial Anode:	No

Tank Details

Epa Region:	9	**Tank Closure Date:**	
No. of Closed UST:	0	**Tank Configuration:**	One in a Compartmented Unit
No. of Inuse UST:		**Tank Contents:**	Regular Unleaded
No. of Oos UST:	0	**Tank Cp Impr Curr:**	No
Owner Type:	Non-Government	**Tank Cp Shutoff:**	Yes
Tank ID No.:	TY000601	**Tank Installatn Dt:**	5/6/1998 12:00:00 AM
Tank Status:	Confirmed/Updated Information	**Tank No of Compart:**	3
Tank Type:	Double Wall	**Tank Pc Constructn:**	Steel
Tank Alarms:	No	**Tank Spill Bucket:**	Yes
Tank Ball Float:	No	**Tribal Lands:**	No

Tank Operator Name:	KERMAN CAR WASH INC
Tank Operator Mail Address:	127 S. MADERA AVE
Tank Operator Mail City:	KERMAN
Tank Operator Mail State:	CA
Tank Operator Mail Zip:	93630
Tank Owner Name:	KERMAN CAR WASH INC
Tank Owner Mailing Address:	127 S. MADERA AVE.
Tank Owner Mailing City:	KERMAN
Tank Owner Mailing State:	CA
Tank Owner Mailing Zip:	93630
Tank Capacity Gallons:	12000
Tank Piping Construction:	Double Walled
Tank Piping Type:	Pressure
Tank Pw Piping Construction:	Fiberglass
Tank Sacrificial Anode:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	8 of8	SSW	0.17 / 882.17	222.27 / -2	KERMAN CAR WASH 127 S MADERA AVE KERMAN CA	UST SWEEPS

C C:	A10-000-52261	**D Filename:**	SITE09A
BOE:	44-004421	**Page No:**	301
Comp:	52261	**County:**	FRESNO
Status:	ACTIVE	**State :**	CA
No of Tanks:	3	**Zip:**	93630
Jurisdict:	FRESNO COUNTY	**Latitude:**	36.734596
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-120.060211
Phone:		**Georesult:**	S5HPNTSCZA

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	10-000-052261-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-05-90	**Content:**	REG UNLEADED
Capac:	10000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000003	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	10-000-052261-000003	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-05-90	**Content:**	REG UNLEADED
Capac:	5000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	1-10,000	**Stg:**	P
SWRCB No:	10-000-052261-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-05-90	**Content:**	LEADED
Capac:	10000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK9A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	1 of4	SW	0.18 / 937.37	222.75 / -2	FORMER RITE AID #5853 15196 W WHITESBRIDGE AVE NW CORNER KERMAN CA 93630	CUPA FRESNO

Facility ID:	FA0000784	**Zip:**	93630
CERS ID:		**GIS Longitude:**	-120.061682104
SWIS No:		**GIS Latitude:**	36.7359227052
APN:	02012019S	**Cross Street:**	MADERA

Detail(s)

Program Element:	HAZ MAT DISCLOSURE/CLOSED SITE
Program Identifier:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	2 of4	SW	0.18 / 937.37	222.75 / -2	O'REILLY AUTO PARTS #3921 15196 W WHITESBRIDGE AVE KERMAN CA 93630	CUPA FRESNO

Facility ID: FA0282944
CERS ID: 10413013
SWIS No:
APN: 02012019S
Zip: 93630
GIS Longitude: -120.061682104
GIS Latitude: 36.7359227052
Cross Street:

Detail(s)

Program Element: USED OIL COLLECTION CENTER
Program Identifier:

Program Element: HAZ MAT DISCLOSURE-HAZ WASTE ONLY
Program Identifier:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	3 of4	SW	0.18 / 937.37	222.75 / -2	O'REILLY AUTO PARTS #3921 15196 W WHITESBRIDGE AVE KERMAN CA 93630	RCRA NON GEN

EPA Handler ID: CAL000393420
Gen Status Universe: No Report
Contact Name: JOHN BOUNDS
Contact Address: 233 S. PATTERSON AVE. , , SPRINGFIELD , MO, 65802 ,
Contact Phone No and Ext: 417-520-4589
Contact Email: JBOUNDS2@OREILLYAUTO.COM
Contact Country:
County Name: FRESNO
EPA Region: 09
Land Type:
Receive Date: 20140123
Location Latitude: 36.734961
Location Longitude: -120.061602

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20140123
Handler Name: O'REILLY AUTO PARTS #3921
Source Type: Implementer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	233 S PATTERSON
Name:	O'REILLY AUTO PARTS	**Street 2:**	
Date Became Current:		**City:**	SPRINGFIELD
Date Ended Current:		**State:**	MO
Phone:	417-862-3333	**Country:**	
Source Type:	Implementer	**Zip Code:**	65802-0000

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	233 S. PATTERSON AVE.
Name:	JOHN BOUNDS	**Street 2:**	
Date Became Current:		**City:**	SPRINGFIELD
Date Ended Current:		**State:**	MO
Phone:	417-520-4589	**Country:**	
Source Type:	Implementer	**Zip Code:**	65802

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	4 of4	SW	0.18 / 937.37	222.75 / -2	O'REILLY AUTO PARTS #3921 15196 W WHITESBRIDGE AVE KERMAN CA 93630	C&D DEBRIS RECY

County: FRESNO

Activity Type: USED OIL COLLECTION
Phone No: (417) 862-2674

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	1 of1	NW	0.18 / 942.09	223.97 / -1	JAY RAY BLAIR 15175 W. NIELSEN KERMAN CA	HIST TANK

Owner Name:	JAY RAY BLAIR	**No of Containers:**	2
Owner Street:	15175 W. NIELSEN	**County:**	FRESNO
Owner City:	KERMAN	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	93630
Owner Zip:	93630		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
35	1 of1	SW	0.20 / 1,073.53	222.57 / -2	LUPE FLORES 15057 W. WHITESBRIDGE KERMAN CA 93630	RCRA NON GEN

EPA Handler ID: CAC003077989
Gen Status Universe: No Report
Contact Name: LUPE FLORES
Contact Address: 1186 S BISHOP AVE , , KERMAN , CA, 93630 ,
Contact Phone No and Ext: 209-416-8578
Contact Email: VALERIEO@CVECORP.COM
Contact Country:
County Name: FRESNO
EPA Region: 09
Land Type:
Receive Date: 20200805
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20200805
Handler Name:	LUPE FLORES
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1186 S BISHOP AVE
Name:	LUPE FLORES	***Street 2:***	
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	209-416-8578	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1186 S BISHOP AVE
Name:	LUPE FLORES	***Street 2:***	
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	209-416-8578	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	1 of1	SW	0.20 / 1,076.50	222.63 / -2	Kerman Unified School District - District Office 15218 W Whitesbridge Ave Kerman CA 93630	ALT FUELS

ID:	153112	***CNG Dispenser No:***	
Fuel Type Code:	ELEC: Electric	***CNG Site Renew Src:***	
Station Phone:	888-758-4389	***CNG Tot Compr Cap:***	
Expected Date:		***CNG Storage Cap:***	
BD Blends:		***CNG Fill Type Code:***	
NG PSI:		***CNG PSI:***	
Federal Agency ID:		***CNG Vehicle Class:***	
Open Date:	2019-12-25	***LNG Site Renew Src:***	
Hydrogen is Retail:		***LNG Vehicle Class:***	
Federal Agency:		***LPG Nozzle Types:***	
Facility Type:	OFFICE_BLDG	***Hydrogen Pressures:***	
Dt Last Confirmed:	2023-05-03	***Hydrogen Standards:***	
Updated at:	2024-01-31 22:07:01 UTC	***Latitude:***	36.7351
Access Code:	public	***Longitude:***	-120.063147
Access Detail Code:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Groups with Access Code: Public
Groups with Access Code Fr: Public
Fed Agency Name:
Hydrogen Status Link:
E85 Other Ethanol Blends:
NPS Unit Name:
Cards Accepted:
CNG Statn Sells Renewable Na:
LNG Statn Sells Renewable Na:
Maximum Vehicle Class: LD
RD Blended With Biodiesel:
RD Blends:
RD Blends French:
RD Maximum Biodiesel Level:
Status: Open: The station is open.
Owner Type Desc: Local government owned
E85 Blender Pump Desc:
NG Fill Type Desc:
NG Vehicle Class Desc:
Geocode Status Desc: Address level accuracy.
Group with Access Desc: Publicly available to all customers.
LPG Primary Desc:
Intersection Directions:
Access Days Time: 7:30am-5:30 pm daily
Restricted Access: false
Ev Workplace Charging: false
Funding Sources:

37	1 of3	NW	0.21 / 1,133.27	223.45 / -1	BLAIR APIARIES 15175 W NIELSEN KERMAN CA 93630	CUPA FRESNO

Facility ID: FA0269893
CERS ID:
SWIS No:
APN: 02009017
Zip: 93630
GIS Longitude: -120.062399673
GIS Latitude: 36.7431871127
Cross Street:

Detail(s)

Program Element: UST REMOVAL/CLOSURE W/1 TANK
Program Identifier:

37	2 of3	NW	0.21 / 1,133.27	223.45 / -1	JAY RAY BLAIR 15175 W. NIELSEN KERMAN CA 93630	HHSS

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024688.pdf

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37	3 of3	NW	0.21 / 1,133.27	223.45 / -1	BLAIR APIARIES 15175 W NIELSEN KERMAN CA	UST SWEEPS

C C: A10-000-48906
BOE:
Comp: 48906
Status: ACTIVE
No of Tanks: 2
Jurisdict: FRESNO COUNTY
Agency: ENVIRONMENTAL HEALTH
Phone:
D Filename: SITE09A
Page No: 304
County: FRESNO
State : CA
Zip: 93639
Latitude: 36.742123
Longitude: -120.063207
Georesult: S5HPN-SC-A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Details

Tank ID:	000001	***S Contain:***	
O Tank ID:	1	***Stg:***	P
SWRCB No:	10-000-048906-000001	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	07-01-85	***Content:***	LEADED
Capac:		***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK9A

Tank Details

Tank ID:	000002	***S Contain:***	
O Tank ID:	2	***Stg:***	P
SWRCB No:	10-000-048906-000002	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	11-04-93	***Content:***	LEADED
Capac:	3000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK9A

38	***1 of1***	***S***	***0.22 / 1,162.02***	***222.21 / -3***	***KERMAN U SAVE MINI MART 200 MADERA AVE S KERMAN CA 93630***	***DELISTED TNK***

Delisted Storage Tanks

Facility ID:	FA0274563	***County:***	Fresno
Latitude:	36.73346	***Original Source:***	UST
Longitude:	-120.058401	***Record Date:***	30-JAN-2017
Permitting Agency:	FRESNO COUNTY		

39	***1 of1***	***SSW***	***0.24 / 1,293.51***	***221.87 / -3***	***HARI JACOB DDS 184 S MADERA AVE KERMAN CA 93630***	***RCRA NON GEN***

EPA Handler ID:	CAL000272741
Gen Status Universe:	No Report
Contact Name:	DR. HARI JACOB
Contact Address:	184 S MADERA AVE , , KERMAN , CA, 93630 ,
Contact Phone No and Ext:	559-846-3333
Contact Email:	HARIJACOB@AOL.COM
Contact Country:	
County Name:	FRESNO
EPA Region:	09
Land Type:	
Receive Date:	20030702
Location Latitude:	36.733092
Location Longitude:	-120.060058

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20030702
Handler Name: HARI JACOB DDS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: DR. HARI JACOB
Date Became Current:
Date Ended Current:
Phone: 559-846-3333
Source Type: Implementer
Street No:
Street 1: 184 S MADERA AVE
Street 2:
City: KERMAN
State: CA
Country:
Zip Code: 93630

Owner/Operator Ind: Current Owner
Type: Other
Name: DR HARI JACOB
Date Became Current:
Date Ended Current:
Phone: 559-846-3333
Source Type: Implementer
Street No:
Street 1: 184 S MADERA AVE
Street 2:
City: KERMAN
State: CA
Country:
Zip Code: 93630-0000

40	1 of1	SSW	0.26 / 1,360.19	221.89 / -3	SMITH AUTO PARTS-KERMAN 187 S MADERA AVE KERMAN CA 93630	C&D DEBRIS RECY

County: FRESNO

Activity Type: USED OIL COLLECTION
Phone No:

41	1 of2	WSW	0.27 / 1,447.94	222.20 / -3	KERMAN PROPOSED ELEMENTARY SCHOOL & HIGH SCHOOL ATHLETIC FACILITIES NORTHWEST CORNER OF WHITESBRIDGE & MADERA AVENUES KERMAN CA 93630	ENVIROSTOR

Estor/EPA ID: 60002320
Site Code: 104753
Nat Priority List: NO
APN: 020-120-26, 020-120-27, 020-120-32, 02012026S, 02012027S, 02012032S
Census Tract: 6019004001
Site Type: SCHOOL
Address Description: NORTHWEST CORNER OF WHITESBRIDGE
Assembly District: 27
Senate District: 14
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: MELLAN SONGCO
County: FRESNO
Latitude: 36.736527

& MADERA AVENUES

Office: SANTA SUSANA FIELD LABORATORY BRANCH
Longitude: -120.064962
Special Program:
Acres: 45 ACRES
Funding: SCHOOL DISTRICT
Supervisor: JOSE SALCEDO
Cleanup Status: NO FURTHER ACTION AS OF 10/7/2016
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: KERMAN UNIFIED SCHOOL DISTRICT
Past Use that Caused Contam: AGRICULTURAL - ROW CROPS
Potential Media Affected: NO MEDIA AFFECTED, SOIL
Potential Contamin of Concern:

ARSENIC
CHLORDANE
DDD
DDE
DDT

Site History:

District submitted an EOP application for DTSC's oversight of a PEA. The Site's proposed use is for an elementary school and high school athletic facilities. Currently, the Site is used as active or fallow cropland. The Site is bordered to the west, north, and east (across Madera Avenue) by cropland, and, to the south by a commercial shopping center and storm water ponding basin, along with vacant land and a school (across Whitesbridge Avenue). The Site is currently leased to a farmer who is reportedly growing certified-organic crops on the Site. Historical research indicates that the Site has been used as cropland for row/field crops from 1937 until the present. The Site is outside the 10-mile radius of ultramafic rock outcrops that may contain naturally occurring asbestos, thus sampling for naturally occurring asbestos is not required.

On May 16, 2016, DTSC received the draft PEA workplan for review and comment. The PEA Workplan includes activities to investigate the potential presence of the following: organochlorine pesticides (OCPs) and arsenicin soil in the agricultural use area and around the existing irrigation well; OCPs and metals along the earthen driveways; and, total petroleum hydrocarbons, benzene, naphthalene and benzo(a)pyrene in soil in the area of the irrigation well pump. On June 7, 2016, DTSC issued comments on the draft PEA Workplan. On June 27, 2016, DTSC approved the PEA workplan for implementation. DTSC was notified that field sampling will be on June 28-29, 2016.

On August 29, 2016, DTSC received the draft PEA Report for review and comment. The investigation results indicate that all metals concentrations, including arsenic, are within background levels. The OCPs, TPHs, benzene, naphthalene and benzo(a)pyrene concentrations were either not detected or were below the levels of concern. The result of the human health screening evaluation for the detected OCPs (4,4-DDE and 4,4-DDT) and TPH (diesel range) indicate a cumulative cancer risk of 7.9x10-8, which is below the DTSC's point of departure of one in one million (1x10-6). The total non-cancer hazard index was calculated as 0.077, which is below DTSC's point of departure (1.0). The PEA Report concludes and recommends that no further action is required for the Site.

The District notified DTSC on October 3, 2016 that it has complied with all public review and comment requirements for the PEA Report pursuant to Option A (Education Code section 17213.1, subdivision (a)(6)(A)). The District made the PEA Report available for public review and comment from September 1, 2016 through September 30, 2016 and a public hearing was held on September 15, 2016. No public comments were received regarding the PEA Report.

DTSC updated the Draft PEA Report dated August 29, 2016 with change pages received on October 3, 2016 via email. On October 7, 2016, DTSC approved the PEA Report with a no further action determination.

Status: NO FURTHER ACTION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 75-80%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002320

Completed Activities

Title: PEA Field Sampling
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/28/2016
Comments: On June 28, 2016, DTSC observed the implementation of the PEA Workplan.

Title: Site Inspection
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&enforcement_id=60409294
Area Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 4/16/2016
Comments: On April 16, 2016, DTSC conducted a site visit and a scoping meeting with the District and their consultant.

Title: EOA
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&enforcement_id=60406924
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 3/23/2016
Comments: Fully executed EOA sent to District.

Title: Preliminary Environmental Assessment Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&doc_id=60413395
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 10/7/2016
Comments: On October 7, 2016, DTSC approved and issued a "No further action" determination on the PEA Report.

Title: Preliminary Environmental Assessment Workplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&doc_id=60409295
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 6/27/2016
Comments:

Title: EOA Application
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&doc_id=60406922
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement Application
Date Completed: 3/10/2016
Comments: Consultant submitted EOP Application for Kerman USD, via email on 03/10/16.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
41	2 of2	WSW	0.27 / 1,447.94	222.20 / -3	KERMAN PROPOSED ELEMENTARY SCHOOL & HIGH SCHOOL ATHLETIC FACILITIES NORTHWEST CORNER OF WHITESBRIDGE & MADERA AVENUES KERMAN CA 93630	SCH

Estor/EPA ID: 60002320
Nat Priority List: NO
Census Tract: 6019004001
Permit Renewl Lead:
Project Manager: MELLAN SONGCO
Site Code: 104753
Cleanup Status: NO FURTHER ACTION AS OF 10/7/2016
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Assembly District: 27
Senate District: 14
School District: KERMAN UNIFIED SCHOOL DISTRICT
Office: SANTA SUSANA FIELD LABORATORY BRANCH
Public Participatn Spclst:
Acres: 45 ACRES
Supervisor: JOSE SALCEDO
County: FRESNO
Latitude: 36.736527
Longitude: -120.064962

Special Program:
Funding: SCHOOL DISTRICT
Site Type: SCHOOL
APN: 020-120-26, 020-120-27, 020-120-32, 02012026S, 02012027S, 02012032S
Past Use that Caused Contam: AGRICULTURAL - ROW CROPS
Potential Media Affected: NO MEDIA AFFECTED, SOIL
Potential Contamin of Concern:

ARSENIC
CHLORDANE
DDD
DDE
DDT

SITE HISTORY:

District submitted an EOP application for DTSC's oversight of a PEA. The Site's proposed use is for an elementary school and high school athletic facilities. Currently, the Site is used as active or fallow cropland. The Site is bordered to the west, north, and east (across Madera Avenue) by cropland, and, to the south by a commercial shopping center and storm water ponding basin, along with vacant land and a school (across Whitesbridge Avenue). The Site is currently leased to a farmer who is reportedly growing certified-organic crops on the Site. Historical research indicates that the Site has been used as cropland for row/field crops from 1937 until the present. The Site is outside the 10-mile radius of ultramafic rock outcrops that may contain naturally occurring asbestos, thus sampling for naturally occurring asbestos is not required.

On May 16, 2016, DTSC received the draft PEA workplan for review and comment. The PEA Workplan includes activities to investigate the potential presence of the following: organochlorine pesticides (OCPs) and arsenicin soil in the agricultural use area and around the existing irrigation well; OCPs and metals along the earthen driveways; and, total petroleum hydrocarbons, benzene, naphthalene and benzo(a)pyrene in soil in the area of the irrigation well pump. On June 7, 2016, DTSC issued comments on the draft PEA Workplan. On June 27, 2016, DTSC approved the PEA workplan for implementation. DTSC was notified that field sampling will be on June 28-29, 2016.

On August 29, 2016, DTSC received the draft PEA Report for review and comment. The investigation results indicate that all metals concentrations, including arsenic, are within background levels. The OCPs, TPHs, benzene, naphthalene and benzo(a)pyrene concentrations were either not detected or were below the levels of concern. The result of the human health screening evaluation for the detected OCPs (4,4-DDE and 4,4-DDT) and TPH (diesel range) indicate a cumulative cancer risk of 7.9x10-8, which is below the DTSC's point of departure of one in one million (1x10-6). The total non-cancer hazard index was calculated as 0.077, which is below DTSC's point of departure (1.0). The PEA Report concludes and recommends that no further action is required for the Site.

The District notified DTSC on October 3, 2016 that it has complied with all public review and comment requirements for the PEA Report pursuant to Option A (Education Code section 17213.1, subdivision (a)(6)(A)). The District made the PEA Report available for public review and comment from September 1, 2016 through September 30, 2016 and a public hearing was held on September 15, 2016. No public comments were received regarding the PEA Report.

DTSC updated the Draft PEA Report dated August 29, 2016 with change pages received on October 3, 2016 via email. On October 7, 2016, DTSC approved the PEA Report with a no further action determination.

Status: NO FURTHER ACTION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 75-80%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002320

Completed Activities

Title: EOA
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&enforcement_id=60406924
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 3/23/2016
Comments: Fully executed EOA sent to District.

Title: EOA Application
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&doc_id=60406922
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement Application

Date Completed: 3/10/2016
Comments: Consultant submitted EOP Application for Kerman USD, via email on 03/10/16.

Title: PEA Field Sampling
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/28/2016
Comments: On June 28, 2016, DTSC observed the implementation of the PEA Workplan.

Title: Preliminary Environmental Assessment Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&doc_id=60413395
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 10/7/2016
Comments: On October 7, 2016, DTSC approved and issued a "No further action" determination on the PEA Report.

Title: Preliminary Environmental Assessment Workplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&doc_id=60409295
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Workplan
Date Completed: 6/27/2016
Comments:

Title: Site Inspection
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002320&enforcement_id=60409294
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 4/16/2016
Comments: On April 16, 2016, DTSC conducted a site visit and a scoping meeting with the District and their consultant.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
42	1 of1	ESE	0.32 / 1,667.49	225.49 / 1	UNITED AGRI PRODUCTS 14451 W. WHITESBRIDGE RD. KERMAN CA 93630-9216	CLEANUP SITES

Global ID: SLT5FU221099
Site Fac Type (SRCH): CLEANUP PROGRAM SITE
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL): Completed - Case Closed
Status Date (DL): 6/12/1995
Cleanup Status: COMPLETED - CASE CLOSED
Site Facility Name (SRCH): UNITED AGRI PRODUCTS
Address (SRCH): 14451 W. WHITESBRIDGE RD.
City (SRCH): KERMAN
Zip (SRCH): 93630-9216
County (SRCH): FRESNO
Street No (DL): 14451
Street Name (DL): W. WHITESBRIDGE RD.
City (DL): KERMAN
Zip (DL): 93630-9216
County (DL): Fresno
State (DL): CA
Site Facility Name : UNITED AGRI PRODUCTS
Address : 14451 W. WHITESBRIDGE RD.
City : KERMAN
Zip : 93630-9216

Site Facility Type: CLEANUP PROGRAM SITE
Case Type (DL): Cleanup Program Site
RWQCB Region (DL): CENTRAL VALLEY RWQCB (REGION 5F)
Census Tract (SRCH): 6019004002
Latitude (DL): 36.734376
Longitude (DL): -120.050672

County : FRESNO
Report Source: GeoTracker Search Results (SRCH); GeoTracker Sites Data Download (DL); GeoTracker Search Results Report

GeoTracker Sites Data Download - Site Details

RB Case No: SLT5FU022
Local Case No:
Begin Date: 6/12/1995
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)
Local Agency:
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC:
How Discovered:
Stop Method:
Stop Description:
Case Worker:
Military DoD Site: No
Leak Reported Dt: 1965-01-02 00:00:00
No Further Action Dt: 1995-06-12 00:00:00
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: South Valley Floor - Fresno (551.30)
DWR GW Subbasin Name: San Joaquin Valley - Kings (5-022.08)
Disadvantaged Community: Severely Disadvantaged Community
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 81-85%
Calenviroscreen 4 Score: 85-90%
File Location:
Site History:

April 2023 Case File Review (Fresno Box #980, approx. 100 pages total) 1. Dry Well and Septic Tank Closure Report, dated 10/27/93 2. Preliminary Assessment Report Rinsewater Collection and Disposal System, dated Oct 1987 3. Workplan for United Agri Products, Inc., Kerman Facility, dated June 9, 1993 4. Closure Plan Report Rinsewater Collection and Disposal System, dated Sept. 1, 1989

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1995-06-12 00:00:00

Status: Open - Case Begin Date
Status Date: 1995-06-12 00:00:00

GeoTracker Search - Facilities (as of June 5, 2024)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC, REC_1, REC_2
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, Water Contact Recreation, Non-Contact Water Recreation
Project Oversight Agencies:

Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SLT5FU221099
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/12/1995
Potential COC: PESTICIDES/HERBICIDES
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Freq:
DWR GW Sub Basin: San Joaquin Valley - Kings (5-022.08)
CalWater Watershed Name: South Valley Floor - Fresno (551.30)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: CENTRAL VALLEY RWQCB (REGION 5F) (LEAD) - CASE #: SLT5FU022
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SLT5FU221099&tabname=regulatoryhistory
Site History:

April 2023 Case File Review (Fresno Box #980, approx. 100 pages total)
1. Dry Well and Septic Tank Closure Report, dated 10/27/93
2. Preliminary Assessment Report Rinsewater Collection and Disposal System, dated Oct 1987
3. Workplan for United Agri Products, Inc., Kerman Facility, dated June 9, 1993
4. Closure Plan Report Rinsewater Collection and Disposal System, dated Sept. 1, 1989

GeoTracker Search - Regulatory Activities (as of June 5, 2024)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 6/12/1995
Received Issue Date: 6/12/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SLT5FU221099&enforcement_id=6537788&temptable=ENFORCEMENT
Title Description Comments:

Review of Closure Report 12 June 1995

Action Type: Leak Action
Action: Leak Reported
Action Date: 1/2/1965
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of June 5, 2024)

Document Type: Site Documents
Document Date: 6/12/1995
Type: CLOSURE/NO FURTHER ACTION LETTER
Submitted:
Submitted By: ARSHDEEP BHATTI (REGULATOR)
Title: REVIEW OF CLOSURE REPORT 12 JUNE 1995
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SLT5FU221099&enforcement_id=6537788

GeoTracker Search - Cleanup Status History (as of June 5, 2024)

Status: Open - Case Begin Date
Date: 6/12/1995

Status: Completed - Case Closed
Date: 6/12/1995

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
43	1 of1	SE	0.32 / 1,674.81	223.61 / -1	VILLARREAL TRUCKING KERMAN CA	PFAS IND

Status: Active
Fac Fips Code: 06019
Fac Indian Cntry Flg: No
Compliance Status: No Violation Identified
Fac Derived Huc: 18030012
EPA Programs: RCRA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fac Derived Wbd:	180300090704	**Federal Facility:**	No
Fac Derived Cd113:	21	**Federal Agency:**	-
Fac Derived Cb2010:	060190040021040	**Fac Snc Flg:**	No
Fac Informal Count:	0	**AIR Flag:**	No
Last Informal Action:	-	**NPDES Flag:**	No
Formal Action Count:	0	**SDWIS Flag:**	No
Last Formal Action:	-	**RCRAFlag:**	Yes
Fac Total Penalties:	0	**TRI Flag:**	No
Fac Penalty Count:	-	**GHG Flag:**	No
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	79.771	**TRI Reporter:**	-
Fac Pop Den:	541.14	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	FRESNO	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	36.73251	**Days Last Inspection:**	-
Longitude:	-120.05352		

Fac Derived Tribes:	Northfork Rancheria of Mono Indians of California - 19 mile(s)
AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDs:	CAR000174714
RCRA Permit Types:	Transporter
RCRA NAICS:	562111 562112
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	No
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	Yes
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-120.05352,%22y%22:36.73251,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110031379915
Industry:	Waste Management

44	1 of1	ESE	0.33 / 1,752.09	225.68 / 1	GOLDEN STATE MW INC KERMAN CA	PFAS IND

Status:	Active	**Fac Fips Code:**	06019
Fac Indian Cntry Flg:	No	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18030012	**EPA Programs:**	RCRA
Fac Derived Wbd:	180300090704	**Federal Facility:**	No
Fac Derived Cd113:	21	**Federal Agency:**	-
Fac Derived Cb2010:	060190040021027	**Fac Snc Flg:**	No
Fac Informal Count:	0	**AIR Flag:**	No
Last Informal Action:	-	**NPDES Flag:**	No
Formal Action Count:	0	**SDWIS Flag:**	No
Last Formal Action:	-	**RCRAFlag:**	Yes
Fac Total Penalties:	0	**TRI Flag:**	No
Fac Penalty Count:	-	**GHG Flag:**	No
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	79.792	**TRI Reporter:**	-
Fac Pop Den:	542.13	**Fac Imp Water Flg:**	-

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Count:	1	**Fac Major Flag:**	-
Fac County:	FRESNO	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	36.734925	**Days Last Inspection:**	-
Longitude:	-120.050397		

Fac Derived Tribes: Northfork Rancheria of Mono Indians of California - 19 mile(s)
AIR IDs: -
CAA Permit Types: -
CAA NAICS: -
CAA SICS: -
NPDES IDs: -
CWA Permit Types: -
CWA NAICS: -
CWA SICS: -
RCRA IDs: CAR000351593
RCRA Permit Types: Transporter
RCRA NAICS: 562112
SDWA IDs: -
SDWA System Types: -
SDWA Compliance Status: -
SDWA Snc Flag: No
Fac Collection Meth: GDT-ADDRESS MATCHING (GEOCODING)
EJSCREEN Flag Us: Yes
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-120.050397,%22y%22:36.734925,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110071414094

Industry: Waste Management

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
45	1 of1	ESE	0.34 / 1,780.92	225.60 / 1	GOLDEN STATE MW INC 14443 W WHITESBRIDGE AVE KERMAN CA 93630	PCB

Site ID:	CAR000351593	**Cert Title:**	
Receive Date:		**Cert Date:**	5/30/2023 12:00:00 AM
Generator:	No	**Cert Name:**	
Storer:	No	**State Name:**	CALIFORNIA
Transporter:	Yes	**Region:**	09
Disposer:	No	**GIS Data Origin:**	Auto-Geocoded
Research:	No	**Latitude:**	36.734925
Smelter:	No	**Longitude:**	-120.050397

Owner Name: FIDEL ALCANTARA
Mail Address 1: W WHITESBRIDGE AVE
Mail Address 2:
Mail Street No: 14443
Mail City: KERMAN
Mail State: CA
Mail Zip: 93630
Mail Country: US
Contact Name: FIDEL ALCANTARA
Contact Title: PRESIDENT
Contact Phone: 323-835-5034
Contact Phone Ext:
Contact Email: GOLDENSTATEMW@GMAIL.COM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
46	1 of1	SSE	0.35 / 1,827.87	222.55 / -2	AGUILARS TRUCKING JOSE ROBERTO AGUILAR KERMAN CA	PFAS IND

Status:	Active	**Fac Fips Code:**	06019
Fac Indian Cntry Flg:	No	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18030012	**EPA Programs:**	RCRA
Fac Derived Wbd:	180300090704	**Federal Facility:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fac Derived Cd113:	21	**Federal Agency:**	-
Fac Derived Cb2010:	060190040021031	**Fac Snc Flg:**	No
Fac Informal Count:	0	**AIR Flag:**	No
Last Informal Action:	-	**NPDES Flag:**	No
Formal Action Count:	0	**SDWIS Flag:**	No
Last Formal Action:	-	**RCRAFlag:**	Yes
Fac Total Penalties:	0	**TRI Flag:**	No
Fac Penalty Count:	-	**GHG Flag:**	No
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	79.762	**TRI Reporter:**	-
Fac Pop Den:	541.23	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	FRESNO	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	36.73166	**Days Last Inspection:**	-
Longitude:	-120.0555		

Fac Derived Tribes:	Northfork Rancheria of Mono Indians of California - 19 mile(s)
AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDs:	CAR000151555
RCRA Permit Types:	Transporter
RCRA NAICS:	562112 562111
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	No
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	Yes
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-120.0555,%22y%22:36.73166,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110017623151
Industry:	Waste Management

47	*1 of2*	*ESE*	*0.42 / 2,226.77*	*226.32 / 2*	***KERMAN AUTO DISMANTLING & SALES*** ***14320 W WHITESBRIDGE AVE*** ***KERMAN CA 93630***	***RCRA TSD***

EPA Handler ID:	CAL000293461
Gen Status Universe:	No Report
Contact Name:	JAGRUP S SIDHU
Contact Address:	14320 W WHITESBRIDGE AVE , , KERMAN , CA, 93630 ,
Contact Phone No and Ext:	559-349-0840
Contact Email:	SUKESIDHU@YAHOO.COM
Contact Country:	
Land Type:	
County Name:	FRESNO
EPA Region:	09
Receive Date:	20050421
Location Latitude:	36.73502
Location Longitude:	-120.04792

Violation/Evaluation Summary

Note:	NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records

associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20050421
Handler Name:	KERMAN AUTO DISMANTLING & SALES
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer
TSD Activity:	Y

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	14320 W WHITESBRIDGE AVE
Name:	JAGRUP SIDHU	***Street 2:***	
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	559-349-0840	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	14320 W WHITESBRIDGE AVE
Name:	JAGRUP S SIDHU	***Street 2:***	
Date Became Current:		***City:***	KERMAN
Date Ended Current:		***State:***	CA
Phone:	559-349-0840	***Country:***	
Source Type:	Implementer	***Zip Code:***	93630

47	***2 of2***	***ESE***	***0.42 / 2,226.77***	***226.32 / 2***	***Guzman Recycle 14320 W Whitesbridge Ave Kerman CA 93630***	***RECYCLING***

Account No:	RC334303.002	***Facility County:***	Fresno
Website:		***Operation Begin Dt:***	10/1/2024
Phone No:	(559) 800-3786	***Rural:***	Yes
Email:		***Appointment Only:***	No
Hours of Operation:	Mon - Sat 9:00 am - 5:00 pm, Closed 1:00 pm - 1:30 pm; Sun Closed		
Organization Name:	Juan D Guzman		
Mailing Address:	798 S Almond Ave		
Mailing City:	Kerman		
Mailing State:	CA		
Mailing Postal Cd:	93630		

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID

No unplottable records were found that may be relevant for the search criteria.

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Sep 25, 2024

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Sep 25, 2024

Deleted NPL: DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Sep 25, 2024

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

Government Publication Date: Jul 24, 2024

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Jul 24, 2024

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Apr 8, 2024

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Apr 8, 2024

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Apr 8, 2024

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Apr 8, 2024

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Apr 8, 2024

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made availabe by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Sep 25, 2024

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Sep 25, 2024

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

Government Publication Date: Sep 25, 2024

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Oct 15, 2024

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 7, 2024

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: Jan 9, 2024

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jan 9, 2024

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Jun 6, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Jun 6, 2024

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Jul 24, 2024

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Oct 24, 2024

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database serves a purpose similar to that of the federal NPL, functioning as a state-level counterpart for prioritizing cleanup efforts at hazardous substance release sites.

Government Publication Date: Sep 25, 2024

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

Government Publication Date: Sep 25, 2024

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Sep 25, 2024

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Oct 26, 2024

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Waste Management Unit Database: WMUD

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

Government Publication Date: Jan 1, 2000

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Sep 25, 2024

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.
Government Publication Date: Oct 5, 2024

Listing of Certified Processors: PROCESSORS
This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.
Government Publication Date: Oct 4, 2024

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY
This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.
Government Publication Date: Oct 5, 2024

Land Disposal Sites: LDS
Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.
Government Publication Date: Jul 4, 2024

Leaking Underground Fuel Tank Reports: LUST
List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.
Government Publication Date: Jul 4, 2024

Delisted Leaking Storage Tanks: DELISTED LST
List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.
Government Publication Date: Oct 26, 2024

Permitted Underground Storage Tank (UST) in GeoTracker: UST
List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).
Government Publication Date: Nov 17, 2024

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE
This listing includes Proposed Closure of Underground Storage Tank (UST) Cases which are being considered for closure by either the State Water Resources Control Board at a Future Board Meeting or the Executive Director that have been posted for a 60-day public comment period, and Closure of UST Cases with Closure Denials and Approved Orders. The lists are provided by the California Water Boards.
Government Publication Date: Oct 26, 2024

Historical Hazardous Substance Storage Information Database: HHSS
The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.
Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS
The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).
Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Sep 13, 2024

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Nov 17, 2024

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Oct 28, 2024

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Oct 28, 2024

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Sep 25, 2024

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Jul 4, 2024

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Sep 25, 2024

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Jul 4, 2024

Delisted Cleanup Program Sites: DELISTED CLEANUP

A list of Cleanup Program sites which were once included - and have since been removed from - the list of Cleanup Program Sites in GeoTracker. GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Government Publication Date: Jul 4, 2024

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Oct 28, 2024

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

County

Fresno County - CUPA/Solid Waste Programs Resource List: CUPA FRESNO

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Fresno County. This list is made available by Fresno County Department of Environmental Health Division which is approved by Cal-EPA as CUPA for the County.

Government Publication Date: Jun 28, 2021

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Aug 5, 2024

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Apr 4, 2024

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Aug 1, 2024

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain 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. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Sep 18, 2024

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2024. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Jul 22, 2024

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: Jun 27, 2024

National Response Center PFAS Spills: PFAS ERNS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Sep 23, 2024

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Sep 30, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data: PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is 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. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Jul 22, 2024

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (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. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. 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 Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Sep 22, 2024

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Sep 23, 2024

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Jul 24, 2024

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Apr 13, 2024

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2024

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2024

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: May 6, 2024

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Feb 5, 2024

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data 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. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 20, 2024

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 29, 2024

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Jun 26, 2024

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Feb 29, 2024

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: May 23, 2024

Power Plants: POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

Government Publication Date: Apr 15, 2024

State

PFAS Sampling Locations: PFAS SAMPLING

This data is sourced from the State Water Board's GeoTracker Per- and Polyfluoroalkyl Substances (PFAS) Map tool which contains individual sampling points (i.e., soil boring, groundwater monitoring well, drinking water well for municipal drinking water systems, etc.) or a site location with PFAS analytical data. Includes analytical results that are finalized and submitted electronically by the Responsible Parties via GeoTracker's Electronic Submittal of Information Portal, and after it's accepted by a Regional Water Quality Control Board.

Government Publication Date: Sep 25, 2024

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Dec 20, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Jan 31, 2022

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Jan 31, 2022

PFAS GeoTracker Cleanup Sites: PFAS GT CLEANUPS

A list of applicable cleanup sites from the State Water Resources Control Board's (SWRCB) GeoTracker data management system where one or more of the potential contaminants of concern are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA).

Government Publication Date: Jul 4, 2024

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Sep 19, 2024

PFAS Investigations: PFAS INVEST

This list of potential Per- and Polyfluoroalkyl Substance (PFAS) sites is compiled from the California State Water Resources Control Board's (SWRCB) PFAS Investigations Map tool. The SWRCB issued investigative orders, per California Water Code (CWC) Section 13267 and/or 13383, to these sites. Orders were also issued to the public water systems to sample wells in the vicinity of these locations. Military facilities have been identified by the Department of Defense (DOD) as part of their efforts to investigate PFAS per the Defense Environmental Restoration Program (DERP) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The data includes locations for Airports, Chrome Plating Facilities, Landfills, Publicly Owned Treatment Works, Refineries and Bulk Terminals, DOD Facilities, and Monitored Drinking Water Wells being investigated for potential PFAS.

Government Publication Date: Jan 23, 2024

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Mar 15, 2023

Toxic Pit Cleanup Act Sites: TOXIC PITS

The Toxic Pits Cleanup Act (TPCA) list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. This list was maintained by the State Water Resources Control Board (SWRCB), is not longer maintained, and updates are not planned.

Government Publication Date: Jul 1, 1995

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked by the California Department of Toxic Substance Control's (DTSC) EnviroStor data management system.

Government Publication Date: Nov 23, 2023

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Sep 25, 2024

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This listing has been made available by the California Governor's Office of Emergency Services (Cal OES).

Government Publication Date: Aug 1, 2024

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Handlers from Hazardous Waste Manifest Data: HAZNET

A list of handlers not otherwise classified as Treatment, Storage, Disposal facilities (TSDF) or generators from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Oct 24, 2016

Generators from Hazardous Waste Manifest Data: HAZ GEN

List of handlers listed as having generated waste from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Dec 31, 2017

TSDF from Hazardous Waste Manifest Data: HAZ TSD

List of Treatment, Storage, and Disposal Facilities (TSDFs) from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Dec 31, 2017

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Oct 5, 2024

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Oct 28, 2024

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Sep 5, 2024

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Dec 6, 2021

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Oct 28, 2024

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Jul 4, 2024

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Oct 3, 2024

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Dec 18, 2023

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Jul 4, 2024

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program.

Government Publication Date: Dec 31, 2021

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Historical Resources

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ERIS

HISTORICAL AERIALS

Project Property: 24K13-79794-762 ESA
134 N Madera Ave
Kerman CA 93630

Project No:

Requested By: CREtelligent

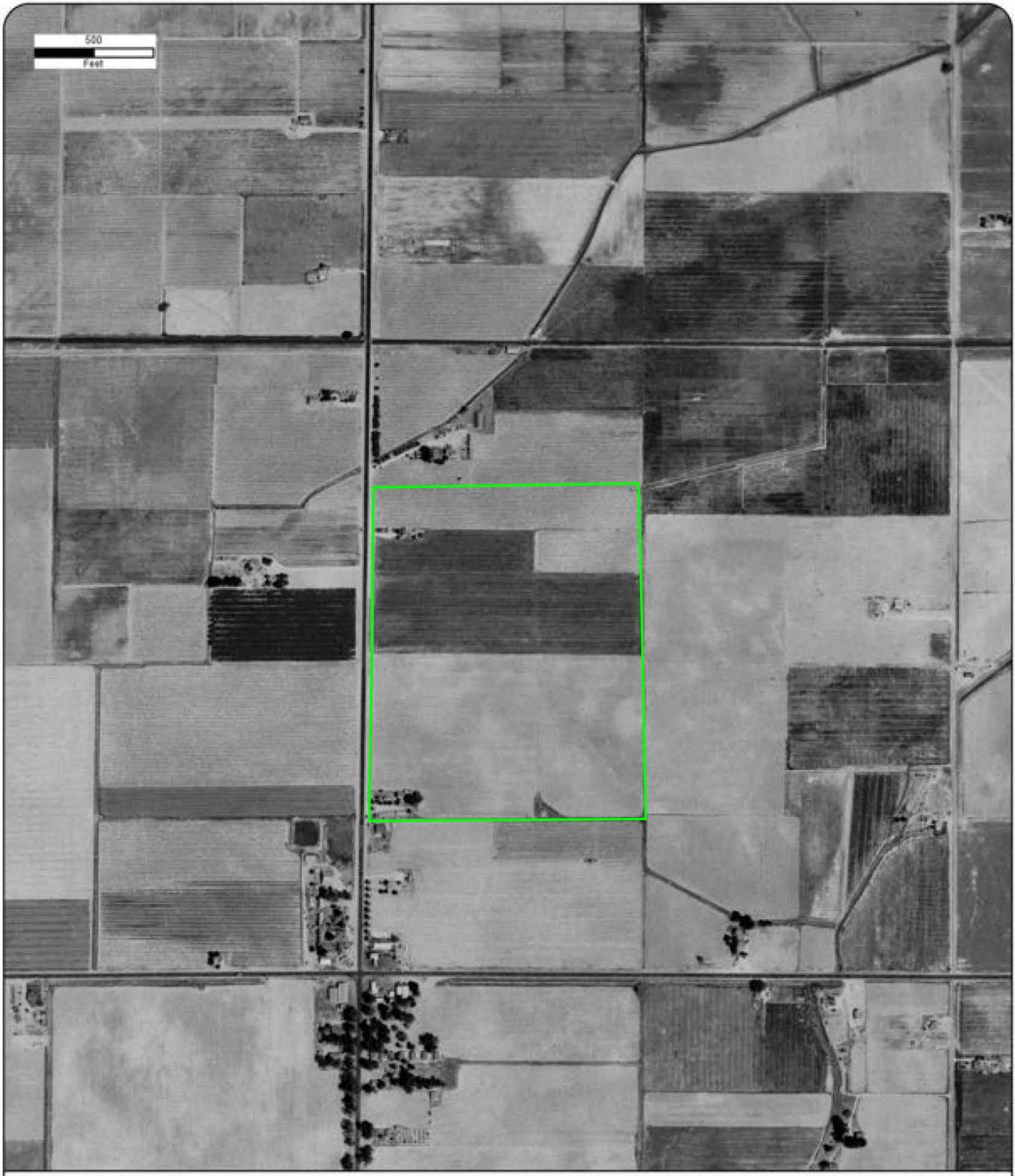
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Date Completed: November 27,2024

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services
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1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
1946	United States Geological Survey	1" = 500'	
1957	Cartwright Aerial Surveys	1" = 500'	
1962	United States Geological Survey	1" = 500'	
1971	National Aeronautics And Space Admin	1" = 500'	Best Copy Available
1981	United States Geological Survey	1" = 500'	
1993	United States Geological Survey	1" = 500'	Best Copy Available
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2023	Maxar Technologies	1" = 500'	



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Scale: 1" = 500'
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Order No: 24112200909

ERIS



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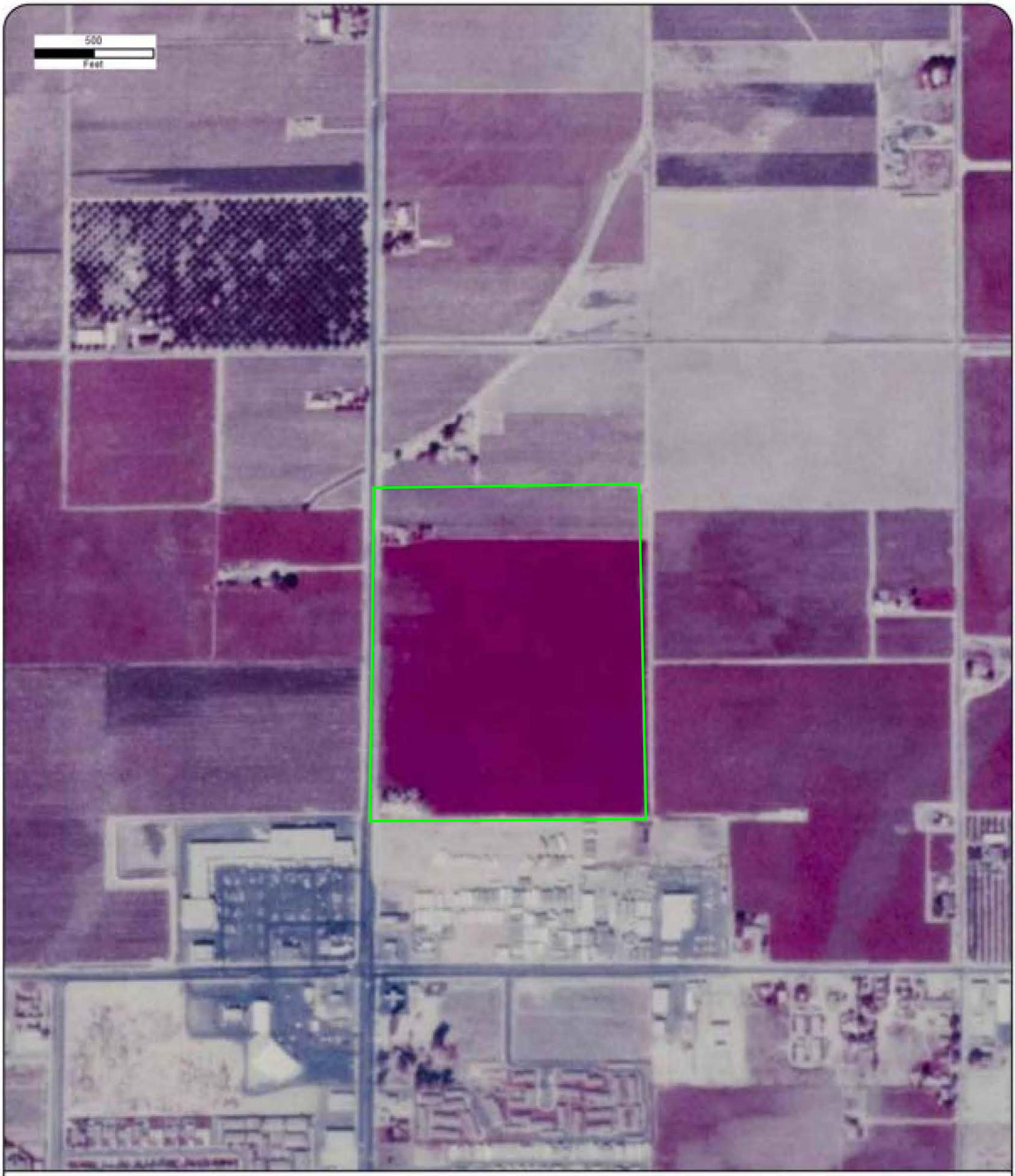


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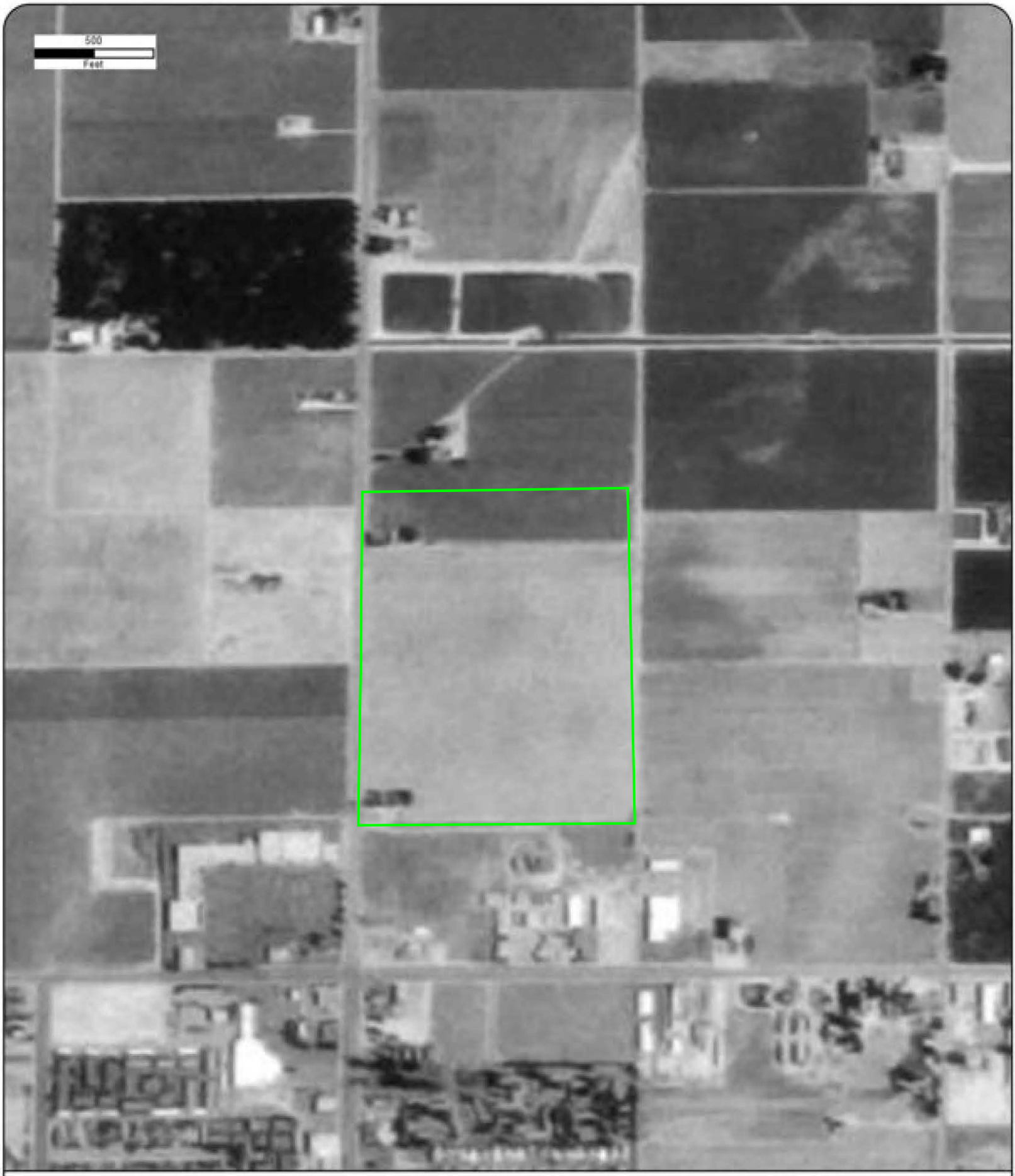


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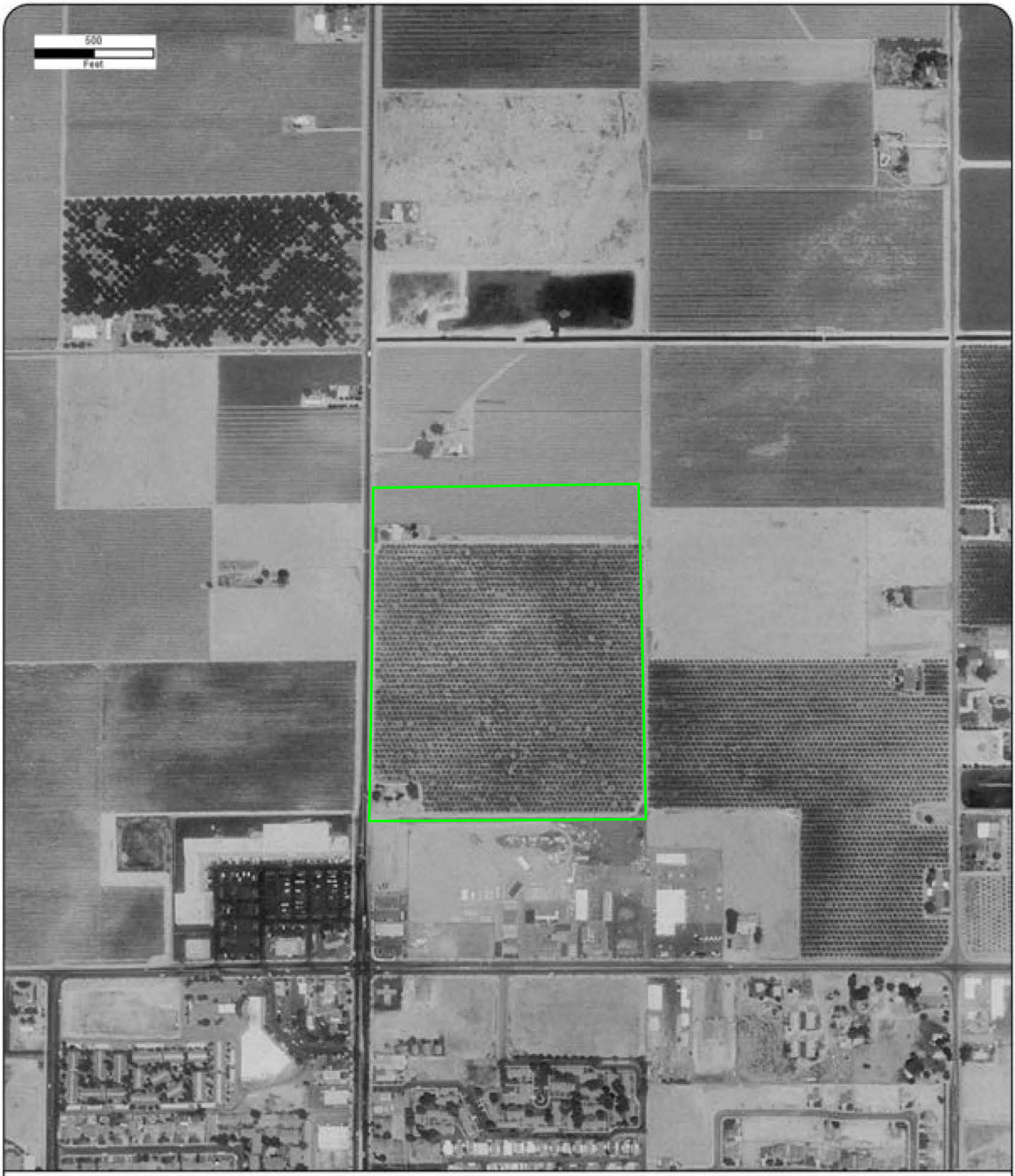


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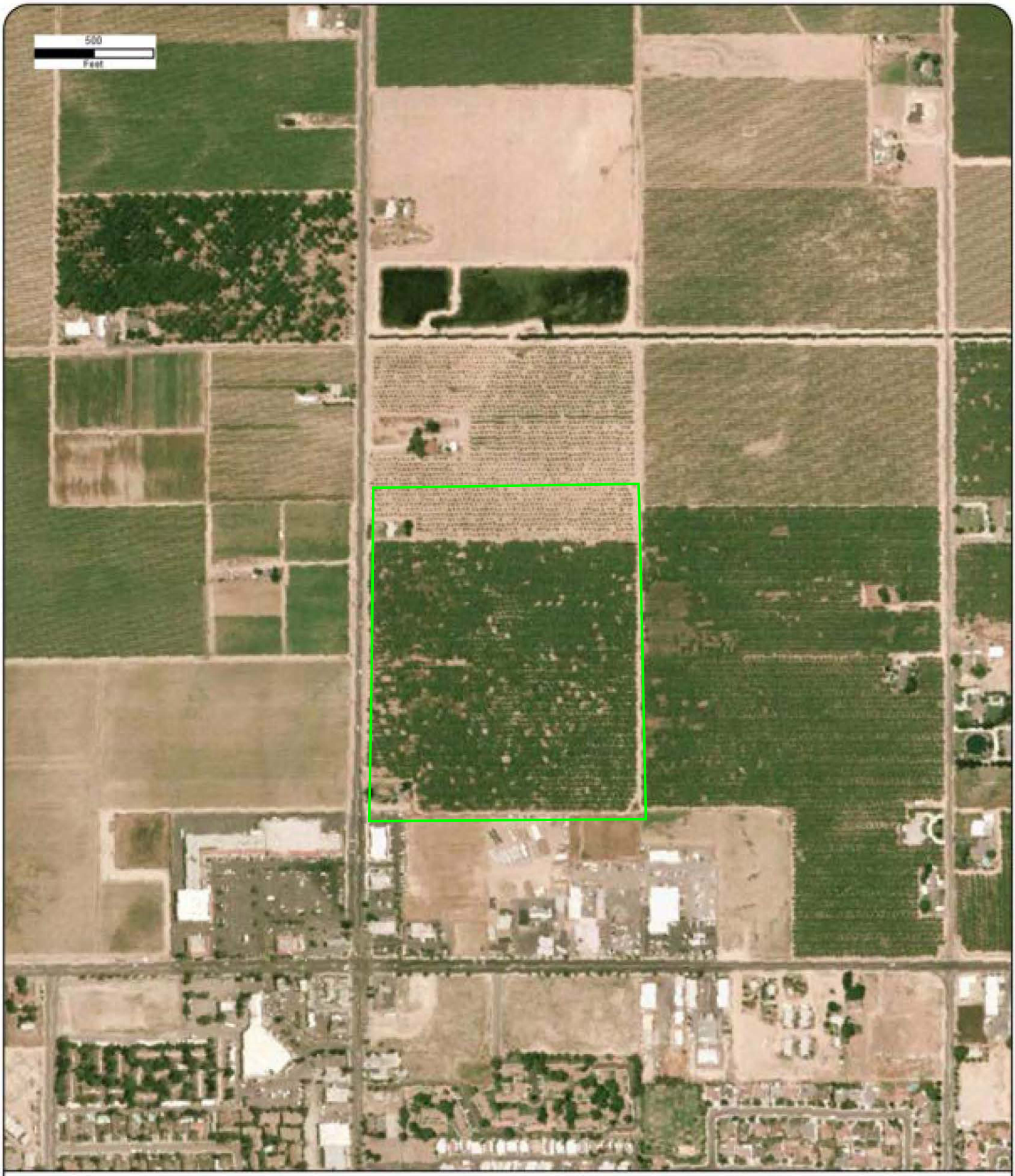


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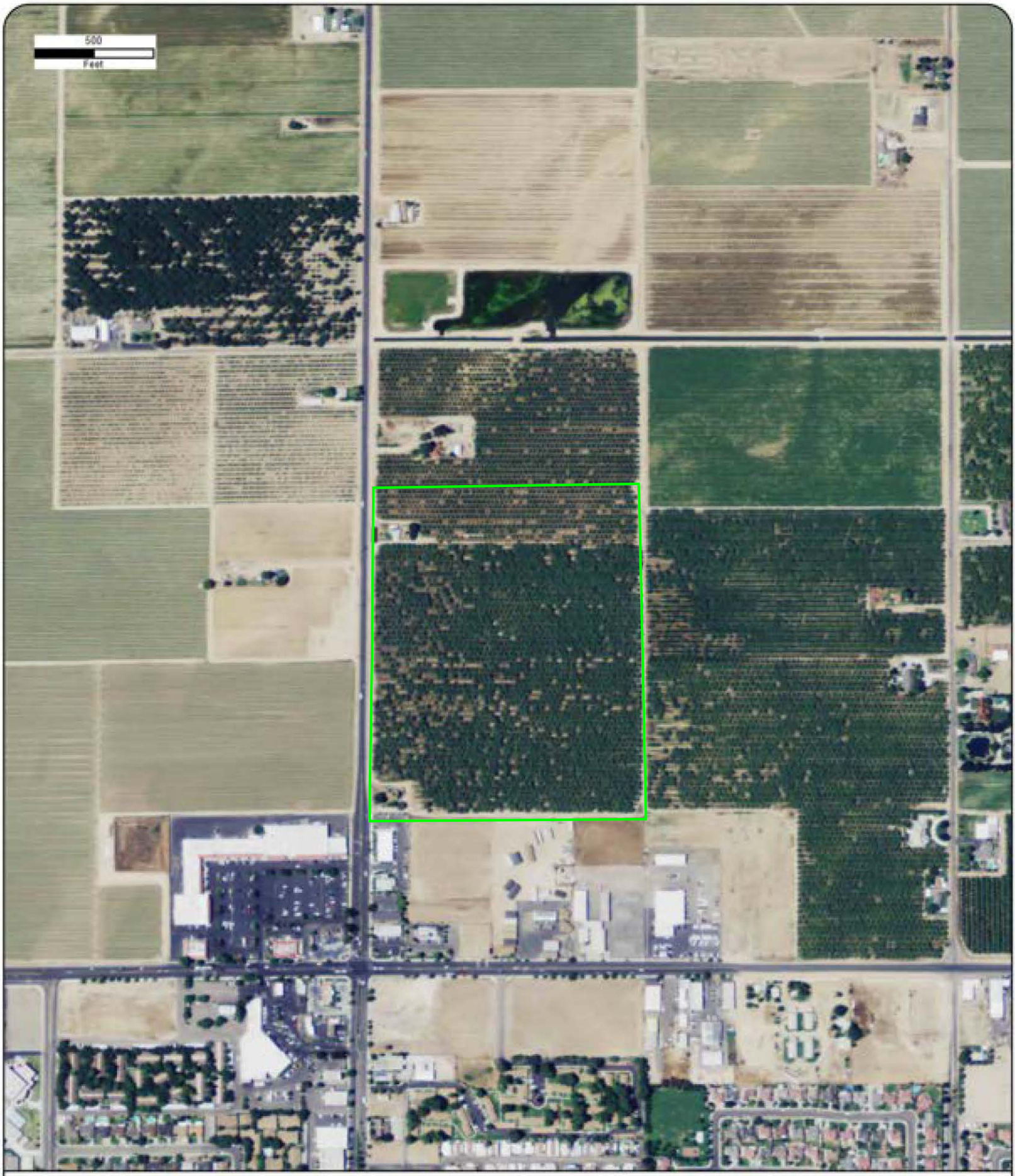


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Order No: 24112200909

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Year: 2010
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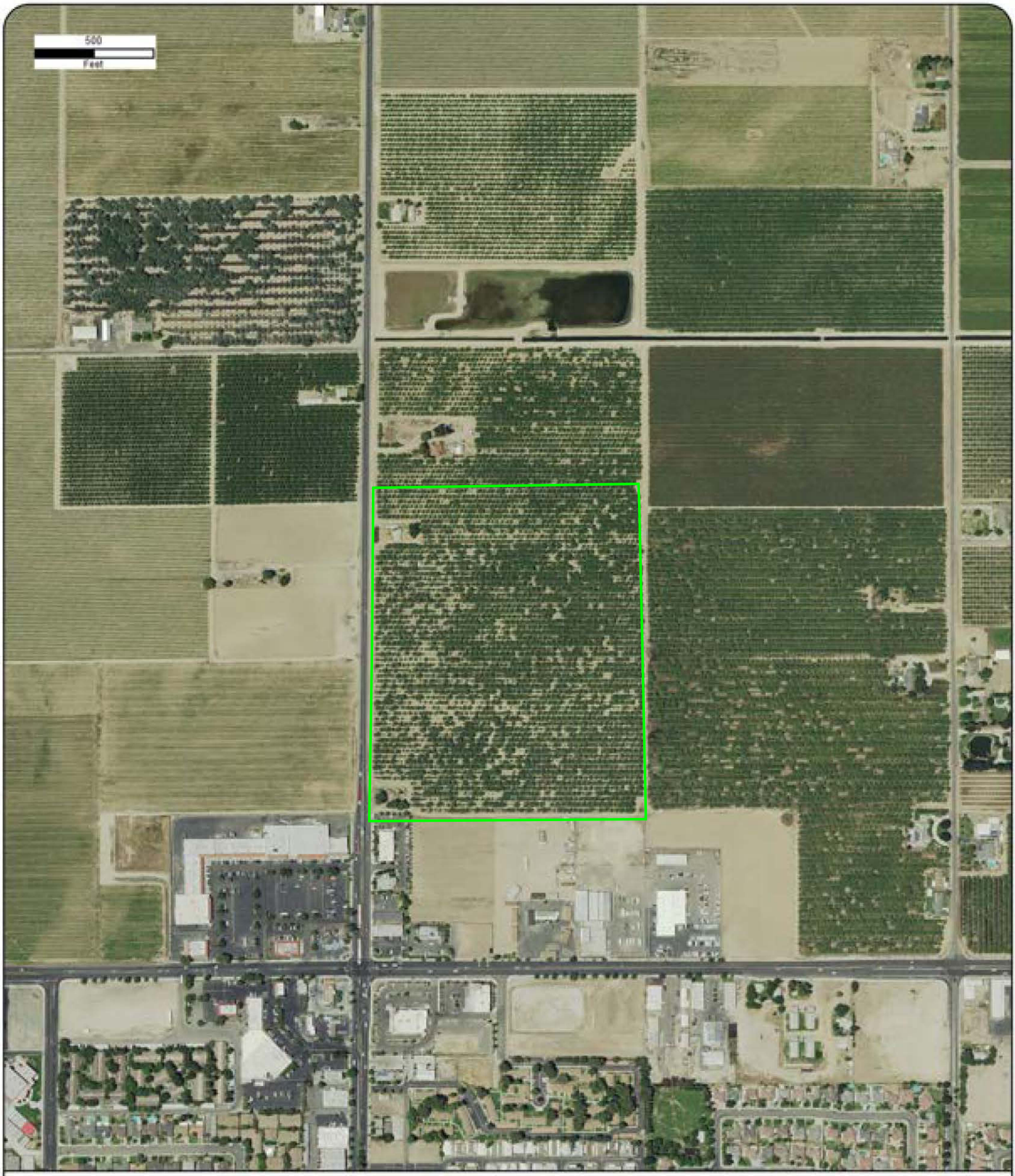


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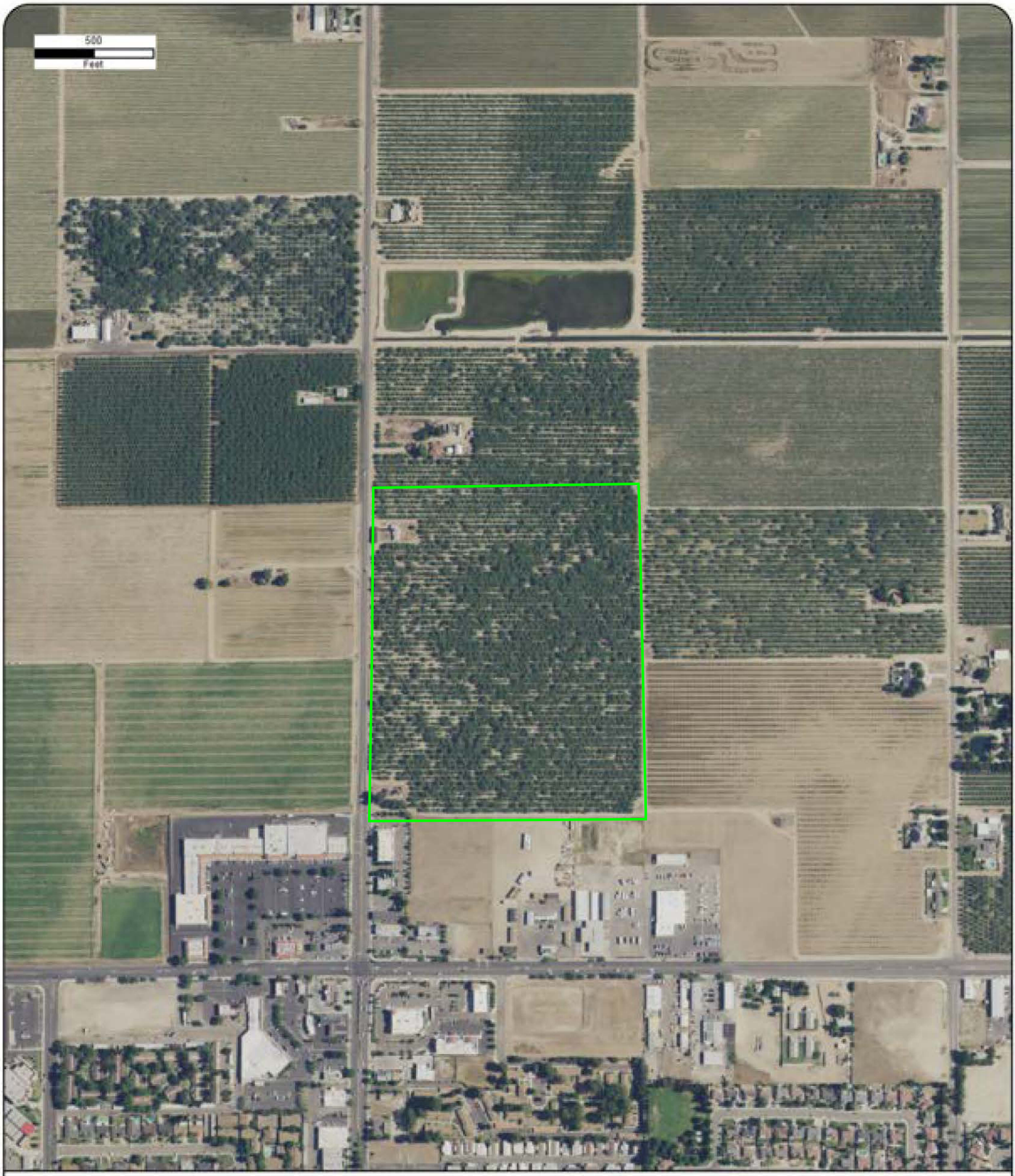


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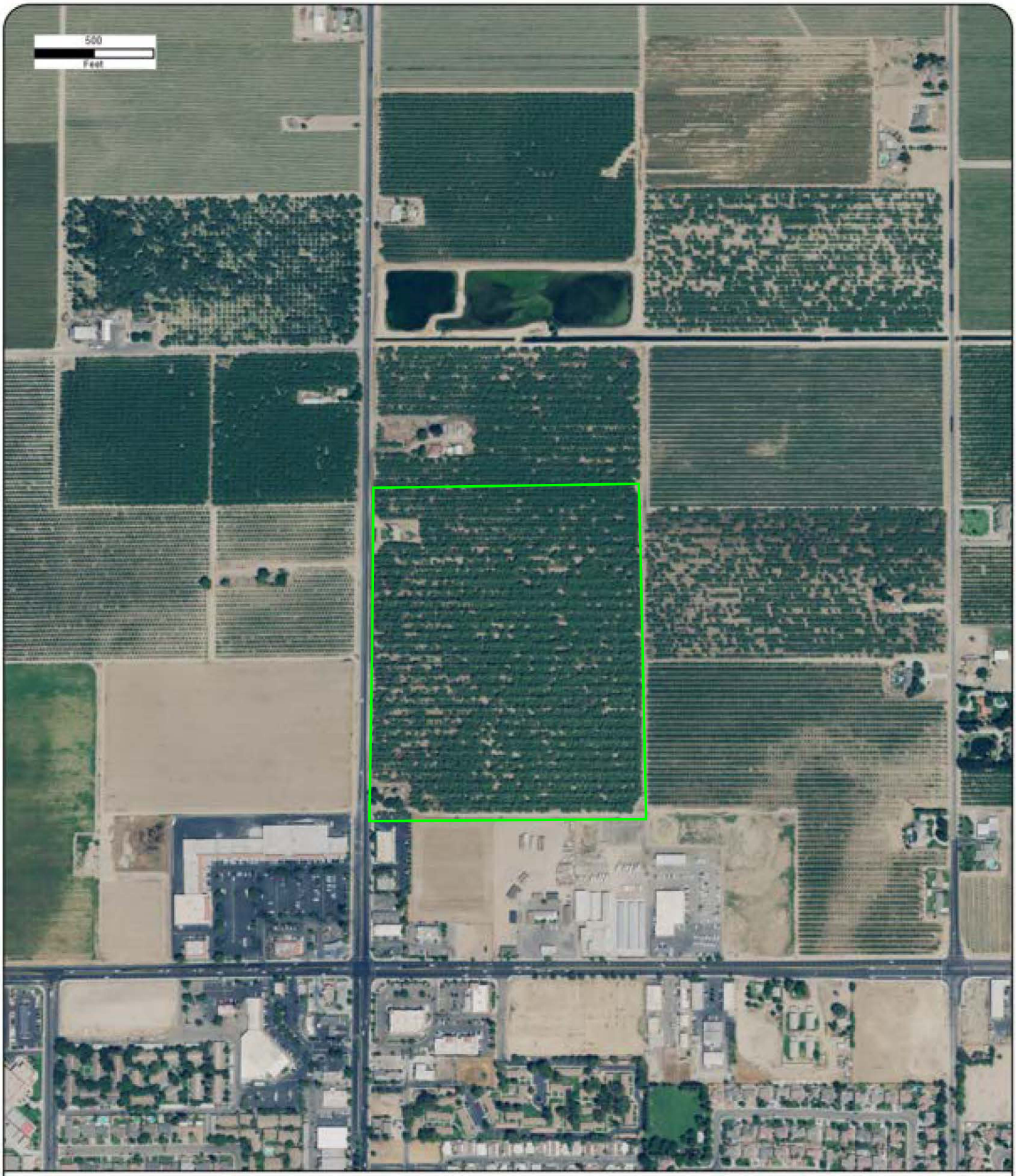


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Order No: 24112200909

ERIS

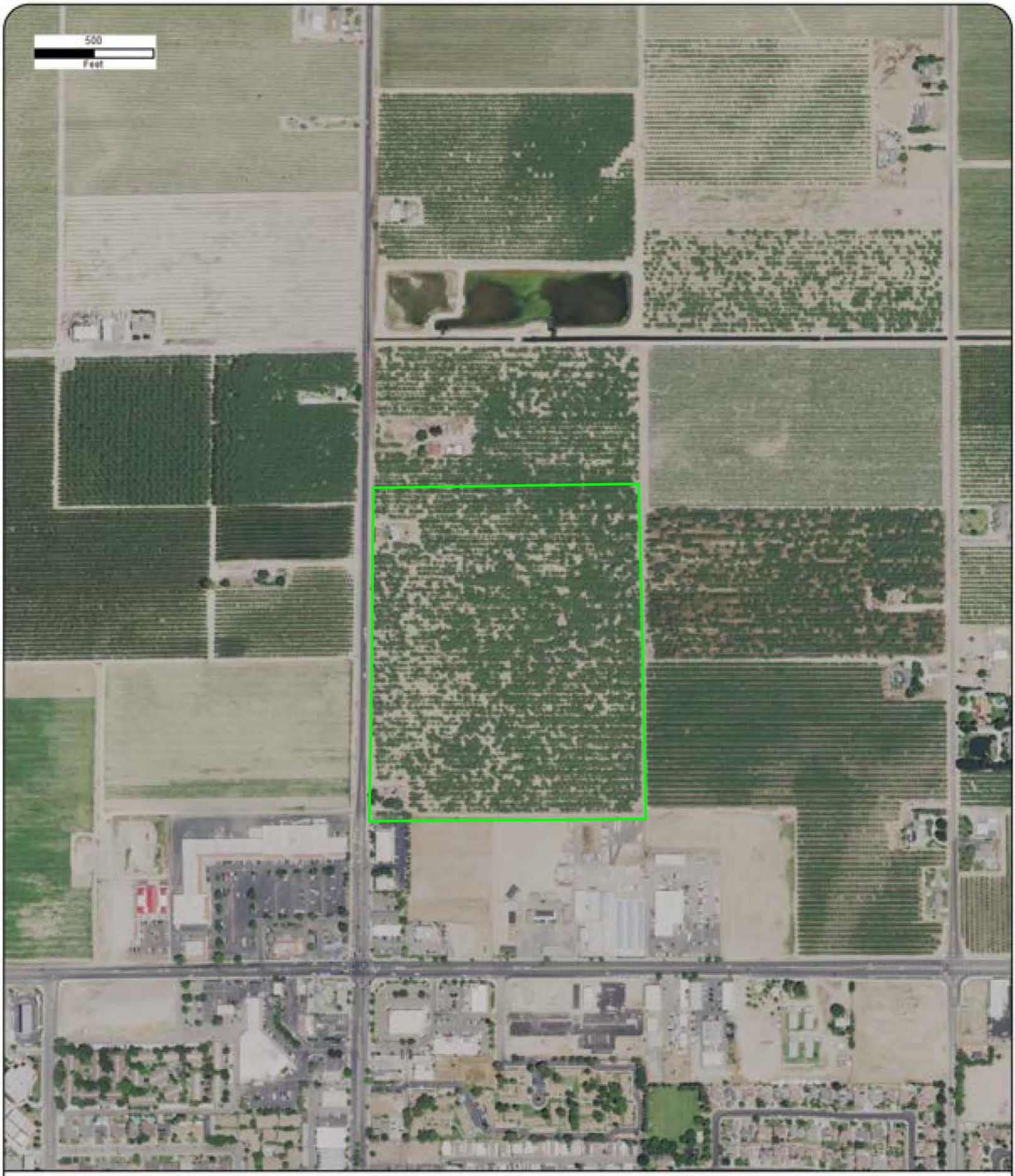


Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

Address: 134 N Madera Ave, Kerman, CA
Approx Center: -120.05800306,36.73860551

Order No: 24112200909

ERIS

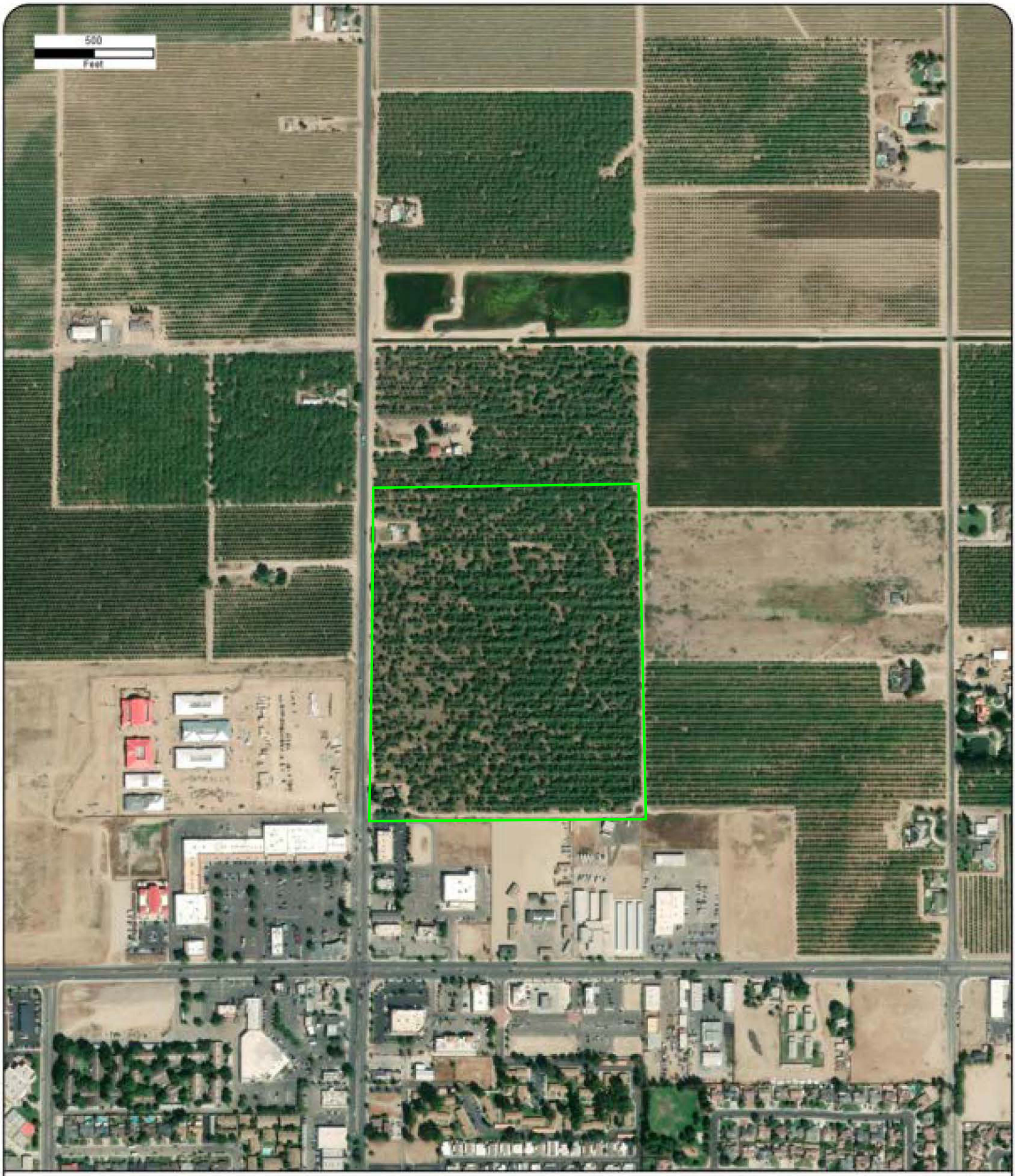


Year: 2020
Source: USDA
Scale: 1" = 500'
Comment:

Address: 134 N Madera Ave, Kerman, CA
Approx Center: -120.05800306,36.73860551

Order No: 24112200909

ERIS



Year: 2023
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: 134 N Madera Ave, Kerman, CA
Approx Center: -120.05800306,36.73860551

Order No: 24112200909

ERIS

FIRE INSURANCE MAPS

Project Property: 24K13-79794-762 ESA
134 N Madera Ave Kerman CA 93630
Project No:
Requested By: CREtelligent
Order No: 24112200909
Date Completed: November 25, 2024

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

ERIS

CITY DIRECTORY

Project Property: *24K13-79794-762 ESA*
134 N Madera Ave
Kerman,CA 93630

Project No:

Requested By: *CREtelligent*

Order No: *24112200909*

Date Completed: *November 26, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

November 26, 2024
RE: CITY DIRECTORY RESEARCH
134 N Madera Ave
Kerman,CA 93630

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
100-500 of N Madera Ave
1-500 of N Vineland Ave
14500-15200 of W Whitesbridge Ave
Search Notes:

Search Results Summary

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	HAINES	
1995	HAINES	
1990	HAINES	
1985	HAINES	
1980	HAINES	
1975	HAINES	
1972	HAINES	
1965	PACIFIC TELEPHONE	
1960	PACIFIC TELEPHONE	

2023 N MADERA AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

150	**IDEAL FURNITURE**...*FURNITURE-DEALERS-RETAIL*
150	**IDEAL FURNITURE**...*BEDS-RETAIL*
170	**YUKON JACK'S**...*RESTAURANTS*
170	**YUKON JACK'S**...*FOODSCARRY OUT*
190	**EL MEXICANO**...*RESTAURANTS*
192	**DISCOTECA ARMANDO'S**...*RECORDS TAPES & COMPACT DISCS-RETAIL*
198	**CRICKET WIRELESS**...*WIRELESS TELECOMMS CARRIERS (EXCEPT SATELLITE)*
200	**LITTLE CAESARS PIZZA**...*PIZZA*
402	**BRIAN LAMBRECHT**...*RESIDENTIAL*
402	**KRISTINA LAMBRECHT**...*RESIDENTIAL*
447	**JOE VALLANDINGHAM**...*RESIDENTIAL*

2023 N VINELAND AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

43	**JOYCE YATES**...*RESIDENTIAL*
71	**FRED MECHELKE**...*RESIDENTIAL*
88	**GEORGE SCOTT**...*RESIDENTIAL*
88	**PATRICIA SCOTT**...*RESIDENTIAL*
150	**KAROLYN LAMBRECHT**...*RESIDENTIAL*
196	**ALBA TRANSPORT**...*TRUCKING*
196	**ROCK NJK WEST**...*RANCHES*
245	**DARRELL YATES**...*RESIDENTIAL*
245	**NANCY YATES**...*RESIDENTIAL*
248	**MARLENE VONFLUE**...*RESIDENTIAL*
287	**MELISSA REYES**...*RESIDENTIAL*
350	**JOANNE TEIXEIRA**...*RESIDENTIAL*

98 total records. Part 1 of 2

14603 **JOSE GALLEGOS**...RESIDENTIAL
14603 **ROBERT GALLEGOS**...RESIDENTIAL
14607 **MARCO GOMEZ**...RESIDENTIAL
14637 **LEO ALVAREZ**...RESIDENTIAL
14675 **C & M PROFESSIONAL SVC**...ACCOUNTING & BOOKKEEPING GENERAL SVC
14675 **C & M PROFESSIONAL SVC**...TAX RETURN PREPARATION & FILING
14679 **SLUMBERGER LUMBER**...PAINT-RETAIL
14679 **SLUMBERGER LUMBER**...LUMBER-RETAIL
14679 **SLUMBERGER LUMBER**...FURNACESINDUSTRIAL (MFRS)
14679 **SLUMBERGER LUMBER**...MILLWORK (MFRS)
14679 **SLUMBERGER LUMBER**...PLUMBING FIXTURES & SUPPLIES-NEW-RETAIL
14680 **H & J CHEVROLET INC**...AUTOMOBILE DEALERS-NEW CARS
14680 **H & J CHEVROLET INC**...AUTOMOBILE DEALERSUSED CARS
14681 **ALL RIGHT CONSTRUCTION INC**...CONSTRUCTION COMPANIES
14681 **ALL RIGHT CONSTRUCTION INC**...BOILERSSUPPLIES & PARTS (WHLS)
14681 **GALAXSEA CRUISES THE TRAVEL**...CRUISES
14685 **KERMAN NATURAL HEALTH**...VITAMIN & FOOD SUPPLEMENTS
14693 **KERMAN NEWS WESTSIDE ADVANCE**...NEWSPAPERS (PUBLISHERS/MFRS)
14693 **KERMAN NEWS WESTSIDE ADVANCE**...ADVERTISINGNEWSPAPER
14693 **KILEN, MARK**...NONCLASSIFIED ESTABLISHMENTS
14693 **MOMENTS IN TIME**...SCRAPBOOK ALBUMS & SUPPLIES
14693 **PRINTING PLACE**...PRINTERS (MFRS)
14693 **WORKOUT**...GYMNASIUMS
14693 **WORKOUT**...EXERCISE & PHYSICAL FITNESS PROGRAMS
14693 **WORKOUT**...PERSONAL TRAINERSFITNESS
14693 **WORKOUT**...HEALTH CLUBS STUDIOS & GYMNASIUMS
14695 **KERMAN PARTS SALES INC**...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
14695 **KERMAN PARTS SALES INC**...INDUSTRIAL/COML MACHINERY/EQUIP NEC (MFRS)
14697 **VELARDE'S FRONT END BRAKE**...AUTOMOBILE REPAIRING & SERVICE
14703 **GLENN RUDOLPH'S AUTO BODY**...WRECKER SERVICE
14703 **GLENN RUDOLPH'S AUTO BODY**...RECREATIONAL VEHICLESTRANSPORTING
14703 **GLENN RUDOLPH'S AUTO BODY**...AUTOMOBILE REPAIRING & SERVICE
14703 **GLENN RUDOLPH'S AUTO BODY**...AUTOMOBILE BODY-REPAIRING & PAINTING
14703 **GLENN RUDOLPH'S RV & BOAT STGE**...STORAGE
14703 **GLENN RUDOLPH'S RV & BOAT STGE**...STORAGE-HOUSEHOLD & COMMERCIAL
14750 **STORMAX OF KERMAN**...STORAGE-HOUSEHOLD & COMMERCIAL
14754 **KERMAN MOBILE HOMES INC**...BUILDINGSPRECUT PREFABRICATED/MODULAR
14754 **KERMAN MOBILE HOMES INC**...MOBILE HOMES-DEALERS
14754 **KERMAN MOBILE HOMES INC**...BUILDINGS-PRE-CUT PREFAB & MODLR-MFRS
14761 **JACK IN THE BOX**...RESTAURANTS
14868 **GROCERY OUTLET**...GROCERS-RETAIL
14890 **BURGER KING**...RESTAURANTS
14923 **AUTOZONE**...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
14923 **AUTOZONE**...AUTOMOBILE REPAIRING & SERVICE
14923 **AUTOZONE**...BATTERIESSTORAGEWHOLESALE
14923 **AUTOZONE**...BATTERIES-STORAGE-RETAIL
14941 **MILLER, COURTNEY P**...DENTISTS
14945 **KERMAN DIALYSIS CTR LLC**...UNCLASSIFIED ESTABLISHMENTS
14967 **CVS PHARMACY**...VARIETY STORES
14967 **CVS/PHARMACY**...PHARMACIES
14976 **EL POTRERO**...CLOTHING-RETAIL
14976 **EL POTRERO WESTERN WEAR**...CLOTHING-RETAIL
14980 **EXPRESS FOOD MART**...RESTAURANTS
15000 **CORNER STORE**...OTHER GASOLINE STATIONS
15000 **CORNER STORE**...CONVENIENCE STORES
15000 **CORNER STORE**...ALTERNATIVE FUELS
15005 **CARL'S JR**...RESTAURANTS
15010 **ALPHA CARE PHARMACY**...PHARMACIES
15010 **MERRAWI, GHASSAN**...PHARMACISTS
15020 **HANDY STOP LIQUOR**...LIQUORS-RETAIL
15040 **GARCIA'S MARKET**...ALL OTHER PERSONAL SERVICES
15045 **ROBERTITO'S TACO SHOP**...RESTAURANTS
15047 **CHUBBY'S DINER**...FOODSCARRY OUT

2023 W WHITESBRIDGE AVE
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

15047 **CHUBBY'S DINER**...RESTAURANTS
15051 **SUBWAY**...DELICATESSENS
15051 **SUBWAY**...RESTAURANTS
15053 **VALLEY FOOD TO GO**...RESTAURANTS
15053 **VALLEY FOOD TO GO**...PIZZA
15065 **HAIRWORKS BY MELISSA & CO**...BEAUTY SALONS
15070 **FAMILY DOLLAR STORE**...VARIETY STORES
15081 **POSTAL ANNEX**...BUSINESS SERVICE CENTERS
15081 **POSTAL ANNEX**...FACSIMILE TRANSMISSION SERVICE
15081 **ROCKQOEE ROCK**...RESIDENTIAL
15081 **WESTERN UNION**...MONEY TRANSFER SERVICE
15085 **CECILIA'S RESTAURANT**...RESTAURANTS
15091 **KERMAN U SAVE LIQUORS**...BEER & ALE-RETAIL
15091 **KERMAN U SAVE LIQUORS**...LIQUORS-RETAIL
15100 **MC DONALD'S**...RESTAURANTS
15100 **MC DONALD'S**...FOODS-CARRY OUT
15100 **MC DONALD'S**...CAFES
15136 **PAYLESS SHOE SOURCE**...SHOES-RETAIL
15136 **PAYLESS SHOE SOURCE**...BRIDAL SHOPS
15140 **BLUE TURTLE EXPRESS**...SERVICES NEC
15148 **TUR AMERICA TRAVEL**...TRAVEL AGENCIES & BUREAUS
15156 **DOLLAR TREE**...VARIETY STORES
15164 **K CITY SMOKE SHOP**...CONVENIENCE STORES
15168 **LAS TRES B BEAUTY SALON**...BEAUTY SALONS
15188 **JALISCO JEWELERS**...JEWELERS-RETAIL
15191 **ME-N-ED'S PIZZERIA**...HOTELS & MOTELS
15191 **ME-N-ED'S PIZZERIA**...PIZZA
15191 **ME-N-ED'S PIZZERIA**...RESTAURANTS
15191 **ME-N-ED'S PIZZERIA**...FOODSCARRY OUT
15192 **JALISCIENCE JEWELRY**...JEWELERS-RETAIL
15196 **O'REILLY AUTO PARTS**...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
15200 **ROUND TABLE PIZZA**...HOTELS & MOTELS
15200 **ROUND TABLE PIZZA**...PIZZA
15200 **ROUND TABLE PIZZA**...RESTAURANTS
15200 **ROUND TABLE PIZZA**...FOODSCARRY OUT

2020 N MADERA AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

150 **IDEAL FURNITURE**...*FURNITURE-DEALERS-RETAIL*
150 **IDEAL FURNITURE**...*BEDS-RETAIL*
170 **YUKON JACK'S**...*FOODSCARRY OUT*
170 **YUKON JACK'S**...*RESTAURANTS*
190 **EL MEXICANO**...*RESTAURANTS*
192 **DISCOTECA ARMANDO'S**...*RECORDS TAPES & COMPACT DISCS-RETAIL*
196 **ADVANCE AMERICA**...*PAYDAY LOANS*
196 **ADVANCE AMERICA**...*PAYROLL PREPARATION SERVICE*
198 **CRICKET WIRELESS**...*WIRELESS TELECOMMS CARRIERS (EXCEPT SATELLITE)*
200 **LITTLE CAESARS PIZZA**...*PIZZA*
402 **BRIAN LAMBRECHT**...*RESIDENTIAL*
447 **JOE VALLANDINGHAM**...*RESIDENTIAL*

2020 N VINELAND AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

43 **JOYCE YATES**...*RESIDENTIAL*
71 **FRED MECHELKE**...*RESIDENTIAL*
88 **GEORGE SCOTT**...*RESIDENTIAL*
150 **CALIBER CUSTOMS**...*FEDERAL GOVERNMENT CONTRACTORS*
150 **KAROLYN LAMBRECHT**...*RESIDENTIAL*
196 **ALBA TRANSPORT**...*WRECKER SERVICE*
196 **ALBA TRANSPORT**...*TRUCKING*
196 **ROCK NJK WEST**...*RANCHES*
245 **DARRELL YATES**...*RESIDENTIAL*
248 **MARLENE VONFLUE**...*RESIDENTIAL*
287 **MELISSA REYES**...*RESIDENTIAL*
350 **JOANNE TEIXEIRA**...*RESIDENTIAL*

100 total records. Part 1 of 2

14603 JOSE GALLEGOS...RESIDENTIAL
14607 MARCO GOMEZ...RESIDENTIAL
14637 LEO ALVAREZ...RESIDENTIAL
14675 C & M PROFESSIONAL SVC...TAX RETURN PREPARATION & FILING
14675 C & M PROFESSIONAL SVC...ACCOUNTING & BOOKKEEPING GENERAL SVC
14679 SLUMBERGER LUMBER...PAINT-RETAIL
14679 SLUMBERGER LUMBER...FURNACESINDUSTRIAL (MFRS)
14679 SLUMBERGER LUMBER...MILLWORK (MFRS)
14679 SLUMBERGER LUMBER...LUMBER-RETAIL
14679 SLUMBERGER LUMBER...PLUMBING FIXTURES & SUPPLIES-NEW-RETAIL
14680 H J CHEVROLET INC...AUTOMOBILE DEALERS-NEW CARS
14680 H & J CHEVROLET INC...AUTOMOBILE DEALERSUSED CARS
14680 H & J CHEVROLET INC...AUTOMOBILE DEALERS-NEW CARS
14681 ALL RIGHT CONSTRUCTION INC...CONSTRUCTION COMPANIES
14681 ALL RIGHT CONSTRUCTION INC...BOILERSSUPPLIES & PARTS (WHLS)
14681 GALAXSEA CRUISES THE TRAVEL...CRUISES
14685 KERMAN NATURAL HEALTH...VITAMIN & FOOD SUPPLEMENTS
14685 LION STRIDE ENDEAVORS INC...VITAMIN & FOOD SUPPLEMENTS
14693 KERMAN NEWS WESTSIDE ADVANCE...NEWSPAPERS (PUBLISHERS/MFRS)
14693 KERMAN NEWS WESTSIDE ADVANCE...ADVERTISINGNEWSPAPER
14693 KILEN, MARK...NONCLASSIFIED ESTABLISHMENTS
14693 MOMENTS IN TIME...SCRAPBOOK ALBUMS & SUPPLIES
14693 PRINTING PLACE...PRINTERS (MFRS)
14693 WORKOUT...GYMNASIUMS
14693 WORKOUT...EXERCISE & PHYSICAL FITNESS PROGRAMS
14693 WORKOUT...PERSONAL TRAINERSFITNESS
14693 WORKOUT...HEALTH CLUBS STUDIOS & GYMNASIUMS
14695 KERMAN PARTS SALES INC...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
14695 KERMAN PARTS SALES INC...INDUSTRIAL/COML MACHINERY/EQUIP NEC (MFRS)
14697 VELARDE'S FRONT END BRAKE...AUTOMOBILE REPAIRING & SERVICE
14699 FRANCO'S MUFFLER...MUFFLERS & EXHAUST SYSTEMS-ENGINE
14703 GLENN RUDOLPH'S AUTO BODY...AUTOMOBILE REPAIRING & SERVICE
14703 GLENN RUDOLPH'S AUTO BODY...AUTOMOBILE BODY-REPAIRING & PAINTING
14703 GLENN RUDOLPH'S AUTO BODY...RECREATIONAL VEHICLESTRANSPORTING
14703 GLENN RUDOLPH'S AUTO BODY...WRECKER SERVICE
14703 GLENN RUDOLPH'S RV & BOAT STGE...STORAGE
14703 GLENN RUDOLPH'S RV & BOAT STGE...STORAGE-HOUSEHOLD & COMMERCIAL
14750 STORMAX OF KERMAN...STORAGE-HOUSEHOLD & COMMERCIAL
14754 KERMAN MOBILE HOMES INC...BUILDINGSPRECUT PREFABRICATED/MODULAR
14754 KERMAN MOBILE HOMES INC...BUILDINGS-PRE-CUT PREFAB & MODLR-MFRS
14754 KERMAN MOBILE HOMES INC...MOBILE HOMES-DEALERS
14890 BURGER KING...RESTAURANTS
14923 AUTOZONE...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
14923 AUTOZONE...BATTERIES-STORAGE-RETAIL
14923 AUTOZONE...AUTOMOBILE REPAIRING & SERVICE
14923 AUTOZONE...BATTERIESSTORAGEWHOLESALE
14945 KERMAN DIALYSIS CTR LLC...UNCLASSIFIED ESTABLISHMENTS
14967 CVS PHARMACY...VARIETY STORES
14967 CVS/PHARMACY...PHARMACIES
14976 EL POTRERO...CLOTHING-RETAIL
14976 EL POTRERO WESTERN WEAR...CLOTHING-RETAIL
14980 EXPRESS FOOD MART...RESTAURANTS
15000 CORNER STORE...ALTERNATIVE FUELS
15000 CORNER STORE...OTHER GASOLINE STATIONS
15000 CORNER STORE...CONVENIENCE STORES
15005 CARL'S JR...RESTAURANTS
15020 HANDY STOP LIQUOR...LIQUORS-RETAIL
15040 GARCIA'S MARKET...ALL OTHER PERSONAL SERVICES
15045 ROBERTITO'S TACO SHOP...RESTAURANTS
15047 CHUBBY'S DINER...FOODSCARRY OUT
15047 CHUBBY'S DINER...RESTAURANTS
15053 VALLEY FOOD TO GO...PIZZA
15053 VALLEY FOOD TO GO...RESTAURANTS

2020 W WHITESBRIDGE AVE
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

15057 VALLEY FOOD SUPER CTR...CONVENIENCE STORES
15057 VALLEY FOOD SUPER CTR...GROCERS-RETAIL
15065 HAIRWORKS BY MELISSA & CO...BEAUTY SALONS
15070 FAMILY DOLLAR STORE...VARIETY STORES
15075 PACIFIC PIZZA...PIZZA
15075 PACIFIC PIZZA...HOTELS & MOTELS
15075 PACIFIC PIZZA...RESTAURANTS
15081 POSTAL ANNEX...FACSIMILE TRANSMISSION SERVICE
15081 POSTAL ANNEX...BUSINESS SERVICE CENTERS
15081 ROCKQOEE ROCK...RESIDENTIAL
15081 WESTERN UNION...MONEY TRANSFER SERVICE
15085 CECILIA'S RESTAURANT...RESTAURANTS
15091 KERMAN-U-SAVE LIQUORS...LIQUORS-RETAIL
15091 KERMAN-U-SAVE LIQUORS...BEER & ALE-RETAIL
15100 MC DONALD'S...FOODS-CARRY OUT
15100 MC DONALD'S...RESTAURANTS
15100 MC DONALD'S...CAFES
15128 SUBWAY...DELICATESSENS
15128 SUBWAY...RESTAURANTS
15136 PAYLESS SHOE SOURCE...BRIDAL SHOPS
15136 PAYLESS SHOE SOURCE...SHOES-RETAIL
15140 BLUE TURTLE EXPRESS...SERVICES NEC
15148 TUR AMERICA TRAVEL...TRAVEL AGENCIES & BUREAUS
15156 DOLLAR TREE...VARIETY STORES
15164 K-CITY SMOKE SHOP...CONVENIENCE STORES
15168 LAS TRES B BEAUTY SALON...BEAUTY SALONS
15188 JALISCO JEWELERS...JEWELERS-RETAIL
15191 ME-N-ED'S PIZZERIA...HOTELS & MOTELS
15191 ME-N-ED'S PIZZERIA...PIZZA
15191 ME-N-ED'S PIZZERIA...RESTAURANTS
15191 ME-N-ED'S PIZZERIA...FOODSCARRY OUT
15192 JALISCIENCE JEWELRY...JEWELERS-RETAIL
15196 O'REILLY AUTO PARTS...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
15200 ROUND TABLE PIZZA...RESTAURANTS
15200 ROUND TABLE PIZZA...HOTELS & MOTELS
15200 ROUND TABLE PIZZA...PIZZA
15200 ROUND TABLE PIZZA...FOODSCARRY OUT

2016 N MADERA AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

150	**IDEAL FURNITURE**	*FURNITURE-DEALERS-RETAIL*
150	**IDEAL FURNITURE**	*BEDS-RETAIL*
170	**YUKON JACK'S**	*RESTAURANTS*
190	**EL MEXICANO**	*RESTAURANTS*
192	**DISCOTECA ARMANDO'S**	*RECORDS TAPES & COMPACT DISCS-RETAIL*
192	**LITTLE CAESARS PIZZA**	*PIZZA*
196	**ADVANCE AMERICA**	*PAYDAY LOANS*
196	**ADVANCE AMERICA**	*PAYROLL PREPARATION SERVICE*
198	**CRICKET WIRELESS**	*WIRELESS TELECOMMS CARRIERS (EXCEPT SATELLITE)*
402	**BRIAN LAMBRECHT**	*RESIDENTIAL*
402	**KRISTINA LAMBRECHT**	*RESIDENTIAL*

2016 N VINELAND AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

43	**A YATES JR**	*RESIDENTIAL*
43	**JOYCE YATES**	*RESIDENTIAL*
71	**FRED MECHELKE**	*RESIDENTIAL*
71	**PATSY MECHELKE**	*RESIDENTIAL*
88	**GEORGE SCOTT**	*RESIDENTIAL*
88	**PATRICIA SCOTT**	*RESIDENTIAL*
105	**JEFFANDLINDA WOOD**	*RESIDENTIAL*
105	**LINDA WOOD**	*RESIDENTIAL*
150	**CALIBER CUSTOMS**	*FEDERAL GOVERNMENT CONTRACTORS*
196	**DEREK WALLS**	*RESIDENTIAL*
196	**DIANDRA WALLS**	*RESIDENTIAL*
196	**KENNETH WALLS**	*RESIDENTIAL*
196	**ROCK NJK WEST**	*RANCHES*
196	**SHARON WALLS**	*RESIDENTIAL*
245	**DARRELL YATES**	*RESIDENTIAL*
245	**NANCY YATES**	*RESIDENTIAL*
248	**MARLENE VONFLUE**	*RESIDENTIAL*
287	**MELISSA REYES**	*RESIDENTIAL*

91 total records. Part 1 of 2

14603 **JOSE GALLEGOS**...*RESIDENTIAL*
14603 **ROBERT GALLEGOS**...*RESIDENTIAL*
14607 **MARCO GOMEZ**...*RESIDENTIAL*
14673 **EXQUISIPICS PHOTOGRAPHY**...*WEDDING PHOTOGRAPHERS*
14675 **C & M PROFESSIONAL SVC**...*TAX RETURN PREPARATION & FILING*
14675 **C & M PROFESSIONAL SVC**...*ACCOUNTING & BOOKKEEPING GENERAL SVC*
14679 **SLUMBERGER LUMBER**...*PLUMBING FIXTURES & SUPPLIES-NEW-RETAIL*
14679 **SLUMBERGER LUMBER**...*LUMBER-RETAIL*
14680 **H & J CHEVROLET INC**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
14680 **H & J CHEVROLET INC**...*AUTOMOBILE DEALERS-NEW CARS*
14681 **GALAXSEA CRUISES THE TRAVEL**...*CRUISES*
14685 **KERMAN NATURAL HEALTH**...*VITAMIN & FOOD SUPPLEMENTS*
14685 **LION STRIDE ENDEAVORS INC**...*VITAMIN & FOOD SUPPLEMENTS*
14689 **NILMEIER, PENNEY**...*NONCLASSIFIED ESTABLISHMENTS*
14693 **FIREBAUGH MENDOTA JOURNAL**...*NEWSPAPERS (PUBLISHERS/MFRS)*
14693 **KERMAN NEWS WESTSIDE ADVANCE**...*NEWSPAPERS (PUBLISHERS/MFRS)*
14693 **KILEN, MARK**...*NONCLASSIFIED ESTABLISHMENTS*
14693 **MOMENTS IN TIME**...*SCRAPBOOK ALBUMS & SUPPLIES*
14693 **PRINTING PLACE**...*PRINTERS (MFRS)*
14693 **SHOPPES AT PLAZA**...*PHYSICIANS & SURGEONS EQUIP & SUPLS-WHLS*
14693 **WORKOUT**...*EXERCISE & PHYSICAL FITNESS PROGRAMS*
14693 **WORKOUT**...*HEALTH CLUBS STUDIOS & GYMNASIUMS*
14695 **KERMAN PARTS SALES INC**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
14695 **KERMAN PARTS SALES INC**...*INDUSTRIAL/COML MACHINERY/EQUIP NEC (MFRS)*
14697 **VELARDE'S FRONT END & BRAKE**...*BRAKE SERVICE*
14699 **FRANCO'S MUFFLER**...*MUFFLERS & EXHAUST SYSTEMS-ENGINE*
14703 **GLENN RUDOLPH'S AUTO BODY**...*WRECKER SERVICE*
14703 **GLENN RUDOLPH'S AUTO BODY**...*AUTOMOBILE BODY-REPAIRING & PAINTING*
14703 **GLENN RUDOLPH'S RV & BOAT STGE**...*STORAGE-HOUSEHOLD & COMMERCIAL*
14750 **STORMAX OF KERMAN**...*STORAGE-HOUSEHOLD & COMMERCIAL*
14754 **KERMAN MOBILE HOMES INC**...*MOBILE HOMES-DEALERS*
14754 **KERMAN MOBILE HOMES INC**...*BUILDINGS-PRE-CUT PREFAB & MODLR-MFRS*
14890 **BURGER KING**...*FOODS-CARRY OUT*
14890 **BURGER KING**...*RESTAURANTS*
14923 **AUTOZONE**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
14923 **AUTOZONE**...*BATTERIES-STORAGE-RETAIL*
14945 **KERMAN DIALYSIS CTR LLC**...*UNCLASSIFIED ESTABLISHMENTS*
14967 **ATM**...*AUTOMATED TELLER MACHINES*
14967 **CVS PHARMACY**...*VARIETY STORES*
14967 **CVS/PHARMACY**...*PHARMACIES*
14976 **EL POTRERO WESTERN WEAR**...*CLOTHING-RETAIL*
14976 **EL POTRERO WESTERN WEAR**...*BOOTS*
14980 **ATM**...*AUTOMATED TELLER MACHINES*
14980 **EXPRESS FOOD MART**...*RESTAURANTS*
15000 **CORNER STORE**...*OTHER GASOLINE STATIONS*
15005 **CARL'S JR**...*RESTAURANTS*
15020 **HANDY STOP LIQUOR**...*LIQUORS-RETAIL*
15040 **GARCIA'S MARKET**...*ALL OTHER PERSONAL SERVICES*
15040 **SABOR MEXICANO**...*GROCERS-RETAIL*
15045 **ROBERTITO'S TACO SHOP**...*RESTAURANTS*
15047 **CHUBBY'S DINER**...*RESTAURANTS*
15051 **PLAZA DRUG CO**...*PHARMACIES*
15051 **PLAZA DRUG CO**...*PHARMACIES & DRUG STORES*
15053 **VALLEY FOOD TO GO**...*RESTAURANTS*
15053 **VALLEY FOOD TO GO**...*PIZZA*
15057 **ATM**...*AUTOMATED TELLER MACHINES*
15057 **VALLEY FOOD SUPER CTR**...*GROCERS-RETAIL*
15065 **HAIRWORKS BY MELISSA & CO**...*BEAUTY SALONS*
15070 **ATM**...*AUTOMATED TELLER MACHINES*
15070 **FAMILY DOLLAR STORE**...*VARIETY STORES*
15075 **PACIFIC PIZZA**...*RESTAURANTS*
15075 **PACIFIC PIZZA**...*PIZZA*
15078 **GARCIA JEWELRY**...*JEWELERS-RETAIL*
15081 **KERMAN VIDEO & BALLOONS**...*DVD SALES & SVC*

2016 W WHITESBRIDGE AVE
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

15081 **KERMAN VIDEO & BALLOONS**...*BALLOONS-NOVELTY & TOY*
15081 **POSTAL ANNEX**...*BUSINESS SERVICE CENTERS*
15081 **POSTAL ANNEX**...*FACSIMILE TRANSMISSION SERVICE*
15081 **ROCKQOEE ROCK**...*RESIDENTIAL*
15085 **CECILIA'S RESTAURANT**...*RESTAURANTS*
15091 **KERMAN-U-SAVE LIQUORS**...*BEER & ALE-RETAIL*
15091 **KERMAN-U-SAVE LIQUORS**...*LIQUORS-RETAIL*
15100 **MC DONALD'S**...*RESTAURANTS*
15100 **MC DONALD'S**...*FOODS-CARRY OUT*
15128 **SUBWAY**...*DELICATESSENS*
15128 **SUBWAY**...*RESTAURANTS*
15136 **PAYLESS SHOE SOURCE**...*SHOES-RETAIL*
15140 **BLUE TURTLE EXPRESS**...*SERVICES NEC*
15148 **TUR AMERICA TRAVEL**...*TOURS-OPERATORS & PROMOTERS*
15148 **TUR AMERICA TRAVEL**...*TRAVEL AGENCIES & BUREAUS*
15156 **DOLLAR TREE**...*DEPARTMENT STORES*
15156 **DOLLAR TREE**...*VARIETY STORES*
15164 **K-CITY SMOKE SHOP**...*CONVENIENCE STORES*
15168 **LAS TRES B BEAUTY SALON**...*BEAUTY SALONS*
15184 **KERMAN WIRELESS**...*CELLULAR TELEPHONES (SERVICES)*
15188 **JALISCO JEWELERS**...*JEWELERS-RETAIL*
15191 **ME-N-ED'S PIZZERIA**...*RESTAURANTS*
15191 **ME-N-ED'S PIZZERIA**...*PIZZA*
15191 **ROUND TABLE PIZZA**...*PIZZA*
15196 **O'REILLY AUTO PARTS**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
15200 **ROUND TABLE PIZZA**...*PIZZA*
15200 **ROUND TABLE PIZZA**...*RESTAURANTS*

2012 N MADERA AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

150 **IDEAL FURNITURE**...*FURNITURE-DEALERS-RETAIL*
192 **DISCOTECA ARMANDO'S**...*RECORDS TAPES & COMPACT DISCS-RETAIL*
196 **ADVANCE AMERICA**...*PAYDAY LOANS*
402 **ALEC ZEMANSKY**...*RESIDENTIAL*

2012 N VINELAND AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

43 **AJ YATES**...*RESIDENTIAL*
43 **DENA YATES**...*RESIDENTIAL*
43 **DENNIS YATES**...*RESIDENTIAL*
43 **JOYCE YATES**...*RESIDENTIAL*
71 **FRED MECHELKE**...*RESIDENTIAL*
71 **PATSY MECHELKE**...*RESIDENTIAL*
88 **GEORGE SCOTT**...*RESIDENTIAL*
88 **PATRICIA SCOTT**...*RESIDENTIAL*
150 **BRIAN LAMBRECHT**...*RESIDENTIAL*
150 **DANA LAMBRECHT**...*RESIDENTIAL*
150 **KRISTINA LAMBRECHT**...*RESIDENTIAL*
150 **MATTHEW LAMBRECHT**...*RESIDENTIAL*
196 **DEREK WALLS**...*RESIDENTIAL*
196 **KENNETH WALLS**...*RESIDENTIAL*
196 **ROCK NJK WEST**...*RANCHES*
245 **DARRELL YATES**...*RESIDENTIAL*
245 **NANCY YATES**...*RESIDENTIAL*
248 **DEREK VONFLUE**...*RESIDENTIAL*
248 **F VON**...*RESIDENTIAL*
248 **MARLENE VONFLUE**...*RESIDENTIAL*
248 **WALTER VONFLUE**...*RESIDENTIAL*

2012 W WHITESBRIDGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

14673 **EXQUISIPICS PHOTOGRAPHY**...*WEDDING PHOTOGRAPHERS*
14675 **C & M PROFESSIONAL SVC**...*TAX RETURN PREPARATION & FILING*
14675 **TAX PREPARATION SVC**...*TAX RETURN PREPARATION & FILING*
14679 **SLUMBERGER LUMBER**...*LUMBER-RETAIL*
14680 **H & J CHEVROLET INC**...*TRUCK-DEALERS*
14685 **KERMAN NATURAL HEALTH**...*VITAMINS*
14685 **LILLIAN POPOFF**...*RESIDENTIAL*
14685 **LION STRIDE ENDEAVORS INC**...*VITAMINS*
14693 **MOMENTS IN TIME**...*SCRAPBOOK ALBUMS & SUPPLIES*
14693 **WORKOUT**...*HEALTH CLUBS STUDIOS & GYMNASIUMS*
14695 **KERMAN PARTS SALES INC**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
14697 **VELARDE'S FRONT END & BRAKE**...*AUTOMOBILE REPAIRING & SERVICE*
14699 **FRANCO'S MUFFLER**...*MUFFLERS & EXHAUST SYSTEMS-ENGINE*
14703 **GLENN RUDOLPH'S AUTO BODY**...*AUTOMOBILE BODY-REPAIRING & PAINTING*
14703 **GLENN RUDOLPH'S RV & BOAT STGE**...*STORAGE-HOUSEHOLD & COMMERCIAL*
14754 **KERMAN MOBILE HOMES INC**...*MOBILE HOMES (MFRS)*
14890 **BURGER KING**...*RESTAURANTS*
14923 **AUTOZONE**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
14967 **CVS PHARMACY**...*PHARMACIES*
14976 **EL POTRERO WESTERN WEAR**...*CLOTHING-RETAIL*
14980 **EXPRESS FOOD MART**...*RESTAURANTS*
15000 **ARCO**...*SERVICE STATIONS-GASOLINE & OIL*
15020 **HANDY STOP LIQUOR**...*LIQUORS-RETAIL*
15040 **REDBOX**...*VIDEO RENTAL KIOSKS*
15045 **ROBERTITO'S TACO SHOP**...*RESTAURANTS*
15047 **CHUBBY'S DINER**...*RESTAURANTS*
15051 **PHARMKEE INC**...*PHARMACIES*
15051 **SHOPPES AT PLAZA**...*NONCLASSIFIED ESTABLISHMENTS*
15053 **VALLEY FOOD TO GO**...*PIZZA*
15057 **BLOCKBUSTER EXPRESS**...*VIDEO RENTAL KIOSKS*
15057 **VALLEY FOOD SUPER CTR**...*GROCERS-RETAIL*
15065 **HAIRWORKS BY MELISSA & CO**...*BEAUTY SALONS*
15075 **PACIFIC PIZZA**...*PIZZA*
15081 **KERMAN VIDEO & BALLOONS**...*BALLOON ARTISTS*
15081 **POSTAL ANNEX**...*BUSINESS SERVICE CENTERS*
15081 **WESTERN UNION**...*MONEY TRANSFER SERVICE*
15085 **CECILIA'S RESTAURANT**...*RESTAURANTS*
15091 **KERMAN-U-SAVE LIQUORS**...*LIQUORS-RETAIL*
15100 **MC DONALD'S**...*RESTAURANTS*
15128 **SUBWAY**...*RESTAURANTS*
15136 **PAYLESS SHOE SOURCE**...*SHOES-RETAIL*
15148 **TUR AMERICA**...*TRAVEL AGENCIES & BUREAUS*
15156 **DOLLAR TREE**...*VARIETY STORES*
15164 **EL RODEO RESTAURANT**...*RESTAURANTS*
15168 **LAS TRES B BEAUTY SALON**...*BEAUTY SALONS*
15188 **JALISCO JEWELERS**...*JEWELERS-RETAIL*
15191 **ME-N-ED'S PIZZERIA**...*PIZZA*
15200 **ROUND TABLE PIZZA**...*PIZZA*

2008 N MADERA AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

150 **GUTIERREZ INCOME TAX SVC**...*FURNITURE STORES*
150 **J V FURNITURE STORE**...*FURNITURE STORES*
170 **PERKOS CAFE & GRILL**...*CAFE/DINER/FAMILY REST*
190 **QUIZNOS**...*QUICK SERV SANDWICH/DELI*
192 **CURVES**...*PHYSICAL FITNESS CT*
196 **ADVANCE AMERICA**...*CHECK CASHING SERV*
402 **P ZEMANSKY**...*RESIDENTIAL*
447 **ELANOR VALLANDINGHAM**...*VINEYARD*
447 **JOE L VALLANDINGHAM**...*RESIDENTIAL*

2008 N VINELAND AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

43 **A J JR YATES**...*RESIDENTIAL*
71 **FRED MECHELKE**...*RESIDENTIAL*
88 **GEORGE A SCOTT**...*RESIDENTIAL*
88 **GEORGES VALERO SVC STATION**...*GASOLINE SV STATION*
150 **LAMBRECHT FAMILY FARMS**...*GENERAL CROP FARMS*
150 **LAMBRECHT FAMILY FARMS**...*FARMS*
196 **KEN WALLS**...*RESIDENTIAL*
196 **ROCK NJK WEST**...*GEN LIVESTOCK FARMS*
196 **ROCK NJK WEST**...*RANCHES*
196 **ROCKIN JK FARMS**...*COTTON FARM VEGETABLE/MELON FARM*
245 **DARRELL YATES**...*RESIDENTIAL*
248 **RALPH VON FLUE**...*RESIDENTIAL*
287 **CHRISTINA SMITH**...*RESIDENTIAL*
287 **CRISTINA HOWERTON**...*RESIDENTIAL*

2008 W WHITESBRIDGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

102 total records. Part 1 of 2

14505 **JOSE R AGUILAR**...*RESIDENTIAL*
14603 **JAMES MELTON**...*RESIDENTIAL*
14603 **JORGE AGUILAR**...*RESIDENTIAL*
14603 **JOSE GALLEGOS**...*RESIDENTIAL*
14603 **SALVADOR HERNANDEZ**...*RESIDENTIAL*
14637 **LEO ALVAREZ**...*RESIDENTIAL*
14675 **C & M PROFESSIONAL SVC**...*TAX RETURN PREP SV*
14679 **SLUMBERGER LUMBER**...*LUMBER-RETAIL*
14679 **SLUMBERGER LUMBER**...*LUMBER, REL BLD MTL*
14680 **H & J CHEVROLET**...*AUTO, HOME SUPS STR*
14680 **H & J CHEVROLET INC**...*AUTOMOBILE DEALERS-NEW CARS*
14681 **ADDRESS T TRAVEL**...*RESIDENTIAL*
14681 **GALAXSEA CRUISES THE TRAVEL**...*TRAVEL AGENCIES*
14685 **LILLIAN POPOFF**...*LOANS*
14689 **KER WEST INC**...*NEWSPAPER PUBLG*
14689 **KERMAN NEWS & WESTSIDE ADVANCE**...*NEWSPAPERS (PUBLISHERS)*
14689 **WEST SIDE DANCE STUDIO ADVANCE**...*DANCE STUDIOS, SCHL*
14689 **WESTSIDE ADVANCE**...*NEWSPAPERS (PUBLISHERS)*
14693 **FIREBAUGH MENDOTA JOURNAL**...*NEWSPAPER PUBLG*
14693 **KERMAN NEWS & WESTSIDE ADVANCE**...*NEWSPAPER PUBLG*
14693 **PRINTING PLACE**...*LITHO,COML PRINTING*
14695 **BUTCHS AUTO PARTS & MACHINE**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
14695 **BUTCHS NAPA AUTO PARTS**...*INDUSTRIAL MCHY NEC*
14697 **UNLIMITED HEIGHTS HYDRAULICS**...*WHL INDUS SUPPLIES*
14697 **VALARDES FRONT END & BRAKE**...*GENERAL AUTO REPAIR*
14697 **VELARDES FRONT END & BRAKE**...*WHEEL ALIGNMENT-FRAME & AXLE SVC-AUTO*
14699 **FRANCOS MUFFLER**...*AUTO EXHAUST SYS RP*
14699 **FRANCOS MUFFLER**...*MUFFLERS & EXHAUST SYSTEMS-ENGINE*
14703 **GLENN RUDOLPH AUTO BODY**...*AUTO BODY REPAIR*
14703 **GLENN RUDOLPHS RV & BOAT STGE**...*WAREHOUSING SELF STOR*
14703 **RUDOLPH AUTO BODY & PAINTING**...*AUTOMOBILE BODY-REPAIRING & PAINTING*
14750 **B LOS TRES**...*GENERAL AUTO REPAIR*
14750 **WORLD CERAMIC IMPORTS**...*WHOL BRICK/STONE MATERIAL WHOL DURABLE GOODS*
14754 **KERMAN MOBILE HOME SALES**...*MOBILE HOMES-DEALERS*
14754 **KERMAN MOBILE HOMES INC**...*MOBILE HOME DEALERS*
14890 **BURGER KING**...*QUICK SERV BURGER*
14890 **BURGER KING**...*RESTAURANTS*
14970 **EL POTRERO WESTERN WEAR**...*WESTERN APPAREL*
14980 **EXPRESS FOOD MART**...*CONVENIENCE STORES*
14980 **EXPRESS FOOD MART**...*CONVEN STORES CHAIN*
14985 **GEORGES BEACON SVC STATION**...*SERVICE STATIONS-GASOLINE & OIL*
15000 **ARCO**...*GASOLINE SV STATION*
15000 **ARCO KERMAN**...*RESIDENTIAL*
15000 **BALOR**...*SERVICE STATIONS-GASOLINE & OIL*
15010 **AUTO ZONE**...*AUTO, HOME SUPS STR*
15010 **AUTOZONE**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
15020 **HANDI STOP LIQUOR**...*LIQUORS-RETAIL*
15020 **HANDY STOP LIQUOR**...*LIQUOR STORES*
15045 **ROBERTITOS TACO SHOP**...*RESTAURANTS*
15045 **ROBERTOS TACO SHOP**...*QUICK SERV MEXICAN*
15045 **SABINOS FRIED CHICKEN & CTRNG**...*RESTAURANTS*
15047 **CHUBBYS DINER**...*CAFE/DINER/FAMILY REST*
15047 **CHUBBYS DINER**...*RESTAURANTS*
15051 **PLAZA DRUG**...*DRUG,PROPRIETARY STR*
15051 **PLAZA DRUG CO**...*PHARMACIES*
15057 **VALLEY FOOD CENTER**...*GROCERY STORES*
15057 **VALLEY FOOD SUPER CTR**...*GROCERS-RETAIL*
15065 **HAIRWORKS BY MELISSA & CO**...*BEAUTY SALONS*
15065 **HAIRWORKS BY MELISSA & CO**...*HAIRDRESSERS*
15070 **GARCIA JEWELRY**...*RET JEWELRY*
15070 **GARCIA JEWELRY**...*JEWEL,PREC STNES/MTLS*
15081 **FED EX**...*DELIVERY SV,VEHICULAR*
15081 **KERMAN VIDEO & BALLOONS**...*VIDEO DISKS,PRERECORD*
15081 **POSTAL ANNEX**...*PACKAGING SERVICE*
15081 **POSTAL ANNEX**...*PACKAGING SYS*
15081 **POSTAL ANNEX PLUS**...*DIRECT MAIL ADVERTISING SERVICES TRANSPORTATION SERVICE*

2008 W WHITESBRIDGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

15085 **CECILIAS RESTAURANT**...*EATING PLACES*
15085 **TORTILLERIA LA TRADICIONAL**...*RESTAURANTS*
15091 **KERMAN-U-SAVE LIQUORS**...*LIQUOR STORES*
15091 **KERMAN-U-SAVE LIQUORS**...*LIQUORS-RETAIL*
15100 **MC DONALDS**...*RESTAURANTS*
15100 **MC DONALDS HAMBURGERS**...*QUICK SERV BURGER*
15120 **AMBIENTE TROPICAL**...*RESTAURANTS*
15128 **SUBWAY SANDWICH SHOP**...*QUICK SERV SANDWICH/DELI*
15128 **SUBWAY SANDWICHES & SALADS**...*RESTAURANTS*
15136 **PAYLESS SHOE SOURCE**...*SHOES-RETAIL*
15136 **PAYLESS SHOE SOURCE**...*SHOE STORES*
15142 **JAVA RUSH**...*COFFEE SHOP*
15144 **JALISCO JEWELERS**...*JEWELERS-RETAIL*
15144 **MEXICO EXPRESS**...*DELIVERY SV,VEHICULAR*
15148 **TURAMERICA**...*TOUR OPERATORS*
15148 **TURAMERICA**...*TRAVEL AGENCY*
15156 **DOLLAR TREE**...*VARIETY STORES*
15156 **DOLLAR TREE**...*RETAIL SHOPS*
15160 **AZTECA JEWELERS**...*JEWEL,PREC STNES/MTLS*
15160 **ERIKAS CLOTHING**...*REC,PREREC TAPE STR*
15164 **EL RODEO RESTAURANT**...*EATING PLACES*
15164 **EL RODEO RESTAURANT**...*RESTAURANTS*
15168 **LAS TRES B BEAUTY SALON**...*HAIRDRESSERS*
15168 **LAS TRES B BEAUTY SALON**...*BEAUTY SALONS*
15184 **EL MEXICANO**...*MEXICAN MENU*
15184 **EL MEXICANO**...*RET MISC MERCHANDISE*
15188 **JALISCIENCE JEWELRY**...*JEWELERS-RETAIL*
15188 **JALISCO JEWELERS**...*JEWEL,PREC STNES/MTLS*
15191 **ME-N-EDS PIZZERIA**...*PIZZA*
15191 **ME-N-EDS PIZZERIA**...*QUICK SERV PIZZA PARLOR*
15192 **PROTEUS INC**...*EMPLOYMENT AGENCIES*
15192 **PROTEUS INC**...*EMPLOYMENT AGENCIES & OPPORTUNITIES*
15196 **RITE AID PHARMACY**...*PHARMACIES*
15196 **RITE-AID PHARMACY**...*DRUG,PROPRIETARY STR*
15200 **ROUND TABLE PIZZA**...*RESTAURANTS*
15200 **ROUND TABLE PIZZA RESTAURANT**...*QUICK SERV PIZZA PARLOR*

2003 N MADERA AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

150 **7 LUCKY**...*RESIDENTIAL*
150 **GUTIERREZ FURNITURE**
309 **JOE VALENCIA**...*RESIDENTIAL*
342 **GLENN & JULIE TEMPLE**...*RESIDENTIAL*
402 **P ZEMANSKY**...*RESIDENTIAL*
447 **JOE L VALLANDINGHAM**...*RESIDENTIAL*

2003 N VINELAND AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

43 **A J JR YATES**...*RESIDENTIAL*
71 **FRED MECHELKE**...*RESIDENTIAL*
88 **GEORGE A SCOTT**...*RESIDENTIAL*
150 **BRIAN W LAMBRECHT**...*RESIDENTIAL*
150 **LAMBRECHT FAMILY FARMS**
196 **KEN WALLS**...*RESIDENTIAL*
196 **ROCK NJK WEST**
245 **DARRELL YATES**...*RESIDENTIAL*
248 **RALPH VON FLUE**...*RESIDENTIAL*
287 **G LOPEZ**...*RESIDENTIAL*

2003 W WHITESBRIDGE AVE

SOURCE: DIGITAL BUSINESS DIRECTORY

14505 **JESUS MODESTO**...*RESIDENTIAL*
14575 **JAMES MELTON**...*RESIDENTIAL*
14575 **PATRICK MADRID**...*RESIDENTIAL*
14603 **CARLOS GARZA**...*RESIDENTIAL*
14603 **JAVIER RODRIGUEZ**...*RESIDENTIAL*
14603 **RAFAEL GARCIA BAEZ**...*RESIDENTIAL*
14603 **RICARDO ANGULO**...*RESIDENTIAL*
14637 **LEO ALVAREZ**...*RESIDENTIAL*
14679 **LUMBER SLUMBERGER**...*RESIDENTIAL*
14679 **SLUMBERGER LUMBER**
14680 **H & J CHEVROLET INC**...*INTERIOR REPAIR SERVICES*
14681 **GALAXSEA CRUISES & TOURS**
14689 **KERMAN NEWS & WESTSIDE ADVANCE**...*NEWSPAPERS, PUBLISHING AND PRINTING*
14689 **PRINTING PLACE**...*PROMOTIONAL PRINTING, LITHOGRAPHIC*
14695 **BUTCH'S AUTO PARTS & MACHINE**
14699 **FRANCO'S MUFFLER**
14703 **GLENN RUDOLPH'S RV & BOAT STGE**
14703 **RUDOLPH AUTO BODY & PAINTING**...*INTERIOR REPAIR SERVICES*
14705 **HONDA HOLLAND**...*RESIDENTIAL*
14750 **J M EQUIPMENT CO**
14754 **KERMAN MOBILE HOME SALES**
14890 **BURGER KING**...*STEAK AND BARBECUE RESTAURANTS*
14925 **BRIDGE**
14980 **EXPRESS FOOD MART**
14985 **GEORGE'S BEACON SVC STATION**
15000 **ARCO KERMAN**...*RESIDENTIAL*
15000 **ULTRA MART**
15005 **TACO BELL**...*STEAK AND BARBECUE RESTAURANTS*
15010 **AUTOZONE**
15020 **HANDI STOP LIQUOR**
15045 **COCINA ARMIDAS**...*RESIDENTIAL*
15045 **ROBERTITO'S TACO SHOP**...*STEAK AND BARBECUE RESTAURANTS*
15047 **CHUBBY'S DINER**...*STEAK AND BARBECUE RESTAURANTS*
15047 **DINER CHUBBYS**...*RESIDENTIAL*
15051 **PLAZA DRUG CO**...*PHOTOGRAPHIC SERVICES*
15053 **KERMAN U-BAKE**
15057 **FOODLAND JERRYS**...*RESIDENTIAL*
15061 **VALLES HAIR HANDLERS**
15065 **HAIRWORKS BY MELISSA & CO**
15070 **GARCIA JEWELRY**
15075 **LOS COMPADRES KERMAN BAKERY**...*FAST FOOD RESTAURANTS AND STANDS*
15081 **KERMAN VIDEO & BALLOONS**...*RECORDS, AUDIO DISCS, AND TAPES*
15081 **POSTAL ANNEX**...*PHOTOGRAPHIC MESSAGE SERVICES*
15085 **TORTILLERIA LA TRADICIONAL**...*STEAK AND BARBECUE RESTAURANTS*
15091 **KERMAN-U-SAVE LIQUORS**
15100 **DONALDS MC**...*RESIDENTIAL*
15100 **MC DONALD'S**...*STEAK AND BARBECUE RESTAURANTS*
15120 **AMBIENTE TROPICAL**...*STEAK AND BARBECUE RESTAURANTS*
15120 **TROPICAL AMBIENTE**...*RESIDENTIAL*
15128 **SUBWAY SANDWICHES & SALADS**...*STEAK AND BARBECUE RESTAURANTS*
15136 **PAYLESS SHOE SOURCE**...*CUSTOM AND ORTHOPEDIC SHOES*
15140 **CIRCLE FASHION**...*RESIDENTIAL*
15140 **FASHION CIRCLE**
15144 **JALISCO JEWELERS**
15148 **TURAMERICA**
15156 **FACTORY 2-U**
15160 **DISCOTECA SINALOENSE**...*VIDEO DISCS AND TAPES, PRERECORDED*
15164 **EL RODEO RESTAURANT**...*STEAK AND BARBECUE RESTAURANTS*
15168 **LAS TRES B BEAUTY SALON**...*BEAUTY SCHOOLS*
15180 **PROTEUS TRAINING & EMPLOYMENT**
15184 **EL MEXICANO**...*INFANT FURNISHINGS AND EQUIPMENT*
15184 **FOR LESS SHOES**...*RESIDENTIAL*
15188 **JALISCIENCE JEWELRY**
15191 **ME-N-ED'S PIZZA PARLOR**...*STEAK AND BARBECUE RESTAURANTS*
15196 **RITE AID PHARMACY**
15200 **ROUND TABLE PIZZA**...*STEAK AND BARBECUE RESTAURANTS*

2000 N MADERA AVE

SOURCE: HAINES



MADERA AV S

MADERA AV N 93630
KERMAN

WEALTH CODE 1 8

X WHITESBRIDGE AV W

X NIELSEN AV W

X BELMONT AV W

X LEWIS W

X LEWIS E

X WALNUT

X CLEMMENSEN AV

MADERA AV S 93630
KERMAN

WEALTH CODE 0 4

X OLIVE AV W

X MCKINLEY AV W

X CLINTON AV W

X SHIELDS AV W

X DAKOTA AV W

X GETTYSBURG AV W

X SHAW AV W

X BARSTOW AV W

2000 N VINELAND AVE

SOURCE: HAINES

VINELAND AV N 93630
KERMAN

WEALTH CODE 1 2

43	●YATES A J Jr	559-846-8725
71	●MECHELKE Fred	559-846-8472
88	●SCOTT George A	559-846-9874
100	XXXX	OO
120	XXXX	OO
123	XXXX	OO
196	●WALLS Ken	559-846-7709
245	●YATES Darrell	559-846-6507
248	●VONFLUE Ralph	559-846-8790
287	HOWERTON Cristina	559-846-4649
636	MENDES Frank J Jr	559-846-8052
651	●POPOFF Pete	559-846-7756
	POPOFF Pete	559-846-3750
665	XXXX	OO
697	XXXX	OO

X MCKINLEY AV W

2040	●WEATHERSON Leroy	559-846-8422

2000 W WHITESBRIDGE AVE

SOURCE: HAINES



WHITES BRDG RD W
93630 KERMAN

WEALTH CODE 3.9

X HOWARD AV N

X GOLDENROD AV N

X MODOC AV N

X SISKIYOU AV N

X LASSEN AV N

X SHASTA AV N

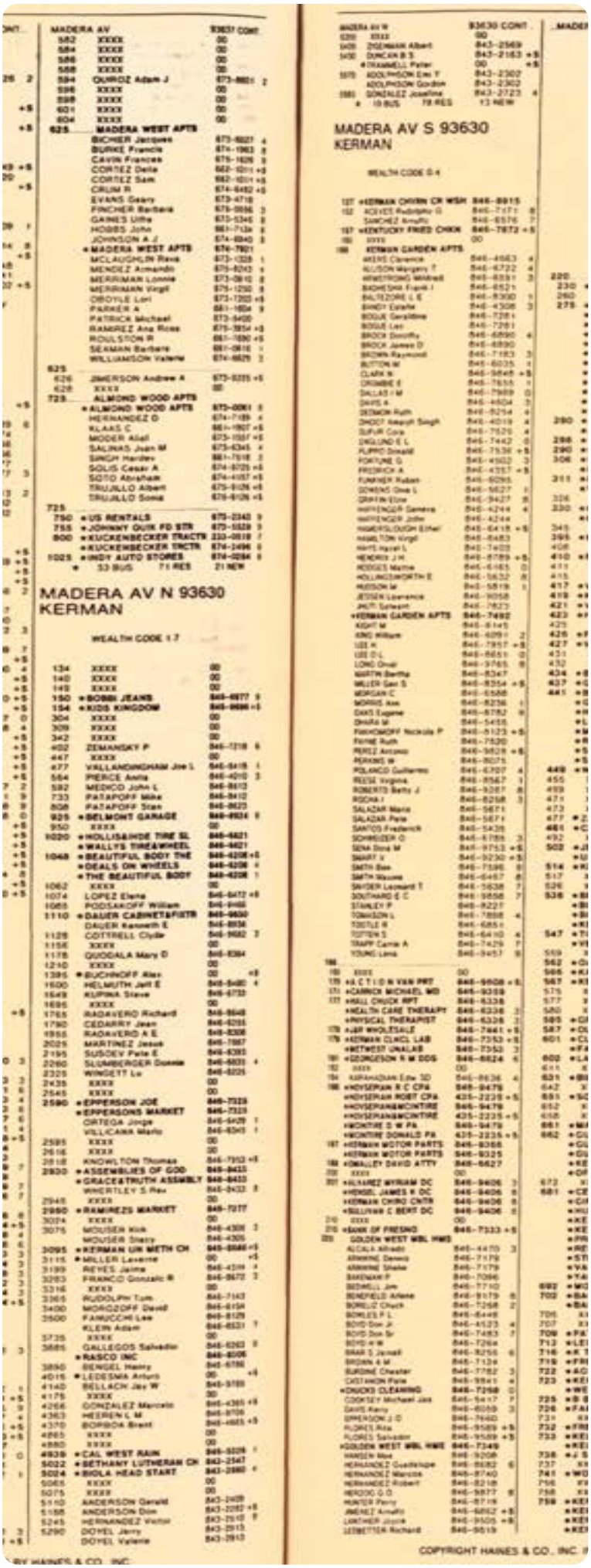
X TRINITY AV S

X MADERA AV S

X LAKE AV N

1995 N MADERA AV

SOURCE: HAINES



MADERA AV N 93630
KERMAN

WEALTH CODE 1.7

MADERA AV S 93630
KERMAN

WEALTH CODE 0.4

1995 N VINELAND AVE

SOURCE: HAINES

VINELAND AV N 93630
KERMAN

WEALTH CODE 0.6

43	YATES A J Jr	846-8725
71	•MECHELKE Fred	846-8472
88	SCOTT George A	846-9874
100	XXXX	00
120	XXXX	00
123	XXXX	00
150	LAMBRECHT Brian W	846-6556
196	•WALLS Ken	846-7709
245	YATES Darrell	846-6507
248	VONFLUE Ralph	846-8790
287	LOPEZ G	846-7408
636	MENDES Frank J Jr	846-8052
651	POPOFF Pete	846-7756
665	XXXX	00
697	COUTO Daniel R	846-7111
2040	WEATHERSON Leroy H	846-8422
2086	WEATHERSON Jerry T	846-8806

1995 W WHITESBRIDGE AVE

SOURCE: HAINES



WHITES BRDG RD W
93630 KERMAN

X DICKENSON AV S

X HOWARD AV N

X GOLDENROD AV N

X SISKIYOU AV N

X MODOC AV N

X LASSEN AV N

X SHASTA AV N

X TRINITY AV S

X MADERA AV S

X LAKE AV N

1990 N MADERA AVE

SOURCE: HAINES



MADERA AV 93637 CONT.

510 XXXX 00
514 GUGLIELMANA Shelynn 661-5153 +0
GUGLIELMANA Steve 661-5153 +0
518 XXXX 00
518 *LAGUNA KNOLLS APT 674-8474 7
520 XXXX 00
524 XXXX 00
525 PEPPER TREE APTS
BRANT Helen C 674-4538 +0
CURTIS M A 673-4867 7
ESTRADA Monte 661-8135 +0
GILBERT David 661-4996 8
GUNTER Larry L 674-5215 9
HOFFRAGE Lance 673-4320 8
LOGAN Dana 674-0409 8
*MADERA PARACHUTE CT 673-3868 5
*PEPPER TREE APTS 674-4827 1
PHELPS Merlie 674-8825 5
SANGHA Atma 661-4360 +0
STEIN H P 673-8194 3
STIEFVATER Rod 675-9203 5
YORK A 661-0742 +0
YORK James 661-0742 +0
525
526 DAULTON Bob 673-0209 +0
528 OLSON Ron 674-3169 8
574 XXXX 00
576 XXXX 00
578 TKAC G 675-9189 +0
582 SPRAGUE Glenna 673-3644 +0
SPRAGUE Ralph 673-3644 +0
586 XXXX 00
588 XXXX 00
590 XXXX 00
592 XXXX 00
598 SHEETS Charles H 661-5723
SHEETS Tonya 661-5723 9
601 XXXX 00
606 XXXX 00
608 DUNN Jas 675-1438 8
614 HERNANDEZ Frank 675-0735 +0
621 XXXX 00
625 MADERA WEST APTS
ALKOBADI Towfelk 661-7349 +0
ANDERSON Doug 674-0123
BIBBO Nicolas 661-1865 7
BLOEMER Ray 674-2723
BOGAN E Z 674-0296
BOLDING Pat 673-4025 1
BROOKS Margaret A 675-3719 9
BURKE Francis 674-1993 8
CAVIN Frances 675-1626 9
EVANS Christine 673-4718
EVANS Geary 673-4718
EVISON Judy 674-1706 7
GAINES Ethie 673-5348 6
GUROEV Gil 661-7349 +0
HOBBS John 661-7134 6
JOHNSON A J 674-6940 8
JURRLIN Eugenia 675-3122 +0
MADASKI C L 674-3068 8
*MADERA WEST APTS 674-7921
MERRIMAN Lonnie 673-0910 8
MERRIMAN Virgil 675-1290 8
MOORE Wm E 674-1788 9
PARKER A 661-1604 9
PATRICK Michael 673-5400
WHEATLEY Glenn 674-9541 +0
625
628 WEST Phillip A 661-9164 +0
725 ALMOND WOOD APTS
ALAVEZ Lilia 675-9950 +0
*ALMOND WOOD APTS 673-0061 8
BAINS Amar Singh 661-5359 +0
BRYANT J 674-4451 +0
CASTRO Olga 675-3929 +0
CONTRERAS S L 674-9029 +0
EDERER Eric M 673-2813 +0
GUDINO Ana 673-3617 +0
HINTHORNE Lisa 673-5941 9
LIMEBARGER Bill 673-7192
LIMEBARGER Donna 673-7192
LONG Isaac W Jr 675-1714 8
LOPEZ Jesse 675-8724 +0
PUNGHLIA Satish S 675-8687 8
SANCHEZ Rafael 674-5704 +0
SIEVERS David E 673-1422 9
WILLIAMS Andrea 661-0915 9
725
750 *US RENTALS 673-2343 8
755 *JOHNNY QUIK FD STR 673-5528 8
800 *KUCKENBECKER TRACTR 233-0619 7
*KUCKENBECKER TRCTR 674-3496 8
1025 *INDY AUTO STORES 674-0294 6
* 27 BUS 91 RES 29 NEW

MADERA AV N 93630 CONT.

3500 FANUCCHI Lee 846-8129 5
KLEIN Adam 846-8531 7
3735 XXXX 00
3885 GALLEGOS Salvador 846-6263 +0
*RASCO INC 846-9306 1
3890 BENGEL Henry 846-6786
4015 XXXX 00
4140 BELLACH Jay W 846-9785
4178 PATTERSON Greg 846-9772 6
4266 XXXX 00
4363 HEEREN L M 846-9705
4370 MENDRIN John 846-5749 +0
4780 SCHEIDT Russell 843-2581 1
4865 XXXX 00
4880 XXXX 00
4939 XXXX 00
5022 *BETHANY LUTHERAN CH 843-2547
CHRISTIANSEN G Rev 843-2903
5065 XXXX 00
5075 XXXX 00
5110 ANDERSON Gerald 843-2408
5158 ALVARADO Arturo 843-2556
5245 HERNANDEZ Victor 843-2510 9
5290 DOYEL Jerry 843-2913
DOYEL Valerie 843-2913
5358 MORENO Jose 843-2709 +0
5406 ZIGENHAM Albert 843-2569 2
5430 XXXX 00
5570 ADOLPHSON Emi Y 843-2302
ADOLPHSON Gordon 843-2302
5585 *ANDERSON DON SHOP 843-2464 2
* 14 BUS 74 RES 7 NEW

MADERA AV S 93630
KERMAN

127 *KERMAN CAR WASH 846-8915
152 ACEVES Rudolpho G 846-7171 8
SANCHEZ Arnulfo 846-6578 7
160 XXXX 00
166 KERMAN GARDENS
ALLEN Nola Mae 846-9689 1
ARMACK Jewell 846-6362 9
BACHMAN Henry 846-8957 1
BADHESHA Frank I 846-6521 1
BAKER Annice N 846-7737 9
BURR A 846-7063 6
CANTRELL Ella 846-7769 3
CARLSON E F 846-8049 2
DALLAS I M 846-7989 +0
DEDMON Ruth 846-8254 9
DELOACHE Ester 846-7798 1
DEVERS M 846-9524 9
DUARTE Martina 846-6423 9
ENGLUND Walter 846-7442 +0
FERGUSON Walter 846-8123 7
FERNANDES Hale 846-5813 +0
FLUID Glen 846-6482 1
FOSTER F 846-6489 5
FUNKNER Ruben 846-8095 2
GRIFFIN Elzie 846-9427 8
HAMILTON Virgil 846-8453 1
HAYS Hazel L 846-7435 1
HODGES M 846-5815 +0
HODGES Mattie 846-8185 +0
HOLLINGSWORTH E 846-5832 8
JESSEN Lawrence 846-3056 2
JHUTI Satwant 846-7823 5
JONES H 846-7724 1
*KERMAN GARDEN APTS 846-7482 1
KIGHT H J 846-5145 2
KINNEY Mary 846-7527 2
LEE O L 846-8851 +0
LONG Dorthea 846-7485 7
LONG Orval 846-9765 8
LUIS V 846-9296 1
MACHADO Isabell 846-6868 +0
MARKOPULOS Donnie 846-7536 9
MARTIN Bertha 846-8347 4
MCMURRAY Mattie 846-6007 2
MORGAN C 846-6568 1
OAKS Eugene 846-8782 9
OAKS Glenna 846-9771 1
OHARA M 846-5455 5
PAYNE Ruth 846-7520 1
PERKINS W 846-9075 1
RAMSEY B 846-7998 2
ROBERTS Betty J 846-9287 8
SALAZAR M 846-5871 8
SANTOS Frederick 846-5436 9
SMITH Ben 846-7586 9
SMITH Lucille 846-5420 8
SMITH Maxine 846-6467 8
SNYDER Leonard T 846-5638 7
SOUTHARD E C 846-9658 7
STANLEY P 846-8227 1
SUNIGA Andrew 846-7572 2
TOOTLE R 846-6851 1
TRAPP Carrie A 846-7429 7
VALLANDINGHAM L 846-9765 2
VANHOOSAIN H 846-7880 2
WILLIS I M 846-6783 +0
YOUNG Lina 846-9457 9
YOUNG Roland 846-8065 8
166
169 XXXX 00
170 *WARDS GARAGE 846-9808
171 *CARRICK MICHAEL MD 846-8359
*CHAFFIN A L MD INC 846-8359
177 *URIEN DAVID R OD 846-8210
178 XXXX 00
179 *KERMAN MEDICAL LAB 846-7353 4
181 *GEORGESON R M DDS 846-8624 8
182 *HALL CHUCK RPT 846-8338 7
184 *KARAHADIAN EDW JD 846-8436 7
186 *HOVSEPIAN ROBT CPA 846-9479
*HOVSEPIAN ROBT CPA 431-5852 +0
*HOVSEPIAN&MCINTIRE 846-9479
*HOVSEPIAN&MCINTIRE 431-5852 +0
*MCINTIRE D W PA 846-9479 5
*MCINTIRE DONALD PA 431-5852 +0
187 *KERMAN MOTOR PARTS 846-9266
*KERMAN MOTOR PARTS 846-9225
188 *OMALLEY DAVID ATTY 846-8627 5
200 XXXX 00
207 *HENSEL JAMES K DC 846-8406 8
*KERMAN CHIRO CNTR 846-8406 8
*SULLIVAN C BERT DC 846-8406 8
210 XXXX 00
215 *COMMUNITY FIRST BNK 846-7333
220 GOLDEN WEST MBL HMS
ALEHIN Fedor 846-6056 3
ARWINE Dennis 846-7179 8
ARWINE Sheila 846-7179
BAKEMAN P 846-7086
BANKSTON Regina 846-9444 8
BEDWELL Jim 846-7710
BENEFIELD Arlene 846-9179 8
BOWLES Kenneth Sr 846-6445
BOYD Don Sr 846-7483 7
BOYD H W 846-7264
BRAR S Jamail 846-9255 6
BROWN A M 846-7124
CARRANZA Lidia 846-7836 9
CASTANON Pete SD 846-8110 6
CASTORENA Jose 846-9606 +0
*CHUCKS CLEANING 846-7268 +0
CLABORNE Artha 846-8070 6
COOKSEY Michael Jas 846-5417 7
COURSEY Minnie M 846-8362
COUTO Frank Wm 846-5812 9
DUNCAN B S 846-8130 +0
EPPERSON J O 846-7880
EPPLER Cheri 846-9181
*GOLDEN WEST MBL HOME 846-7349
GOMEZ T 846-9786 8

MPUTER OR PHOTOCOPIED, IN ANY MANNER WHATSOEVER EXCEPT AS AUTHORIZED IN WRITING BY HAINES & CO

1990 N VINELAND AVE

SOURCE: HAINES



VINELAND AV N 93630
KERMAN

43	YATES A J Jr	846-8725
71	MECHELKE Fred	846-8472
88	SCOTT George A	846-9874
100	XXXX	00
120	XXXX	00
123	XXXX	00
248	VONFLUE Ralph	846-6470
	VONFLUE Ralph	846-8790
287	XXXX	00
636	MENDES Frank J Jr	846-8052
651	POPOFF Pete	846-7756
697	COUTO Daniel R	846-7111
2040	WEATHERSON Leroy H	846-8422

1990 W WHITESBRIDGE AVE
SOURCE: HAINES

WHITES BRDG RD W		93706 CONT
2490	XXXX	00
2510	XXXX	00
2640	*WESTSIDE AUTO	237-5581
2730	*B W IP INTERNATL	264-5938
	*BYRON JACKSON PUMP	264-5938
2745	HESSELTINE Carl	233-0236
2749	XXXX	00
2855	*BETHESDA APOSTLC CH	268-7361
	*BETHESDA APOSTLC CH	486-9665
3138	*BALOIAN PACKING CO	268-4898
	*PAM PAK DISTRBTRS	441-7043
3140	XXXX	00
3145	KAWAGUCHI Eric	486-5367
	KAWAGUCHI Tom	268-4206
3177	XXXX	00
3201	SELSOR Ed C	233-0862
3272	XXXX	00
3306	BROWN Syed	485-8208
3361	BREWER Albert	485-1936
3371	XXXX	00
3381	XXXX	00
3414	MCMURRAN Fred D	237-7868
3425	XXXX	00
3444	*FRESNO TRACTOR PRTS	233-2174
	HURT Lee	268-5575
	*SPARKS TROY E	233-2174
3456	BALASANIAN Zareh	266-4998
3566	XXXX	00
3621	XXXX	00
3639	XXXX	00
3650	XXXX	00
3666	MORTENSEN Niels P	268-0632
3740	XXXX	00
3741	DEAILE Melvin Sr	237-2767
3758	*MIRANDA CLAY TRCKG	233-6875
4010	*MARYS PLACE	486-9911
4012	*BILLS BAIT TACKLE	485-1670
	*J B BAIT	485-1670
4032	*MADISON HARDWARE	264-1730
	*OSTERGAARD CARL	264-1730
4054	*OSTERGAARD FEEDS	233-4963
	*OSTERGAARD LAWRENCE	233-4963
	OSTERGAARD Neil	232-2983
4114	OSTERGAARD L J	268-8730
4130	DONALDSON Leland	233-2769
4152	VAZ Pedro L	264-1350
4310	XXXX	00
4325	XXXX	00
4440	PATRICK Henry	237-5254
4528	XXXX	00
4592	XXXX	00
4600	KARABIAN Serge	264-8339
4715	MAREZ Alfredo	268-5903
4717	PEDRALI Basilio	268-7269
6681	ACEVES Miguel	268-5910
	KOLIGIAN S M	264-7814
	TORRE John	264-7814
6798	RODRIGUEZ Arnulfo	485-5809
	RODRIGUEZ Maria	485-5809
6800	SOARES Duane Jr	237-2809
7470	PEELMAN Kenneth	268-1865
7500	PEELMAN John K	485-6724
7511	KOETSIER John H	441-8524
	KOETSIER John H	268-7850
	KOETSIER John H	441-1324
7613	XXXX	00
7663	SMITH Robt D	264-2223
8376	XXXX	00
8512	XXXX	00
8580	XXXX	00
8736	JESSEN Arlene	264-7290
	JESSEN Jim	264-7290
9018	SANTA Mauel	233-4396
9060	XXXX	00
9117	XXXX	00
9135	CONSOLASCIO Roy	266-5815
9142	XXXX	00
9166	XXXX	00
9181	*BRINGETTO VICTOR	264-7666
	*ROLINDA AUTO PARTS	264-7666
9218	XXXX	00
9250	ABRAHAMIAN Gabriel	237-5435
9252	*ROLINDA CAFE	266-1384
9282	ABRAHAMIAN Diane	486-8779
	*PIMENTEL MACH WORKS	266-7291
	*ROLINDA WELDING	266-7291
9302	XXXX	00
9310	XXXX	00
9316	XXXX	00
9338	*BARNEY H PUMP&HRDWR	268-4751
	*BARNEY HNTNGTN PUMP	846-8224
	*HUNTINGTON B HRDWRE	268-4751
	*HUNTINGTON BARNEY	846-8224
9358	XXXX	00
9360	WESTRING H M	264-7015
9420	XXXX	00
9495	*BAR LO ENTERPRISES	266-6649
9500	*KEZIRIAN HERBERT	266-3571
	KEZIRIAN Robert	264-7862
	*ROLINDA FARMERS STR	266-3571
9505	XXXX	00
9517	XXXX	00
9569	*AQUA WATER TRUCK	233-3394
	*FRESNO WATER TRUCK	233-3394
	*HEINZ WTR TRCK RNTL	233-3394
9588	KEZIRIAN Vaughn	268-5138
9594	*CENTRL VLY DATA	485-1969
9603	XXXX	00
9623	XXXX	00
9625	XXXX	00
9655	ROBLEDO Pablo	237-6342
9658	ABRAHAMIAN Richard	268-3871
9724	XXXX	00
9816	REINHARDT Donald	268-2888
9867	ANDRESEN W	268-2320
9874	ARRIGONI Argie	485-4684
10054	JESSEN Donald	237-9268
	JESSEN Flora	237-9268
10086	CALHOUN Larry	846-8221
10610	XXXX	00
10612	GRAY Jesse H	846-8222
10737	KOLIGIAN Wayne	846-6041
11200	*KERMAN TRACTOR RPR	846-6324
	*KILLINGSWORTH GEAR	846-5309
	*KILLINGSWORTH GEAR	846-9929
	SULLIVAN Michael E	846-5601
11497	OROSCO Eufemia	846-7433
11665	SAMARIN Alex J	846-7974
NO #	*FRESNO INDS SUPPLYS	237-7427
*	58 BUS 137 RES	8 NEW

WHITES BRDG RD W 93630 KERMAN

12570	TEIXEIRA Tony Jr	846-9711
	TEIXEIRA Guadalupe	846-5425
12909	LUTZ Michael	846-6726
13200	*KROMBERG BROS	846-7542
	*MARANATHA HI SHR CT	846-8633
13650	XXXX	00
13659	XXXX	00
13666	MATTHEWS Alyne	846-8429
13700	*KERMAN CHRSTN FLWSH	846-8828
13701	XXXX	00
13767	RODRIGUEZ Santos	846-7024
13820	GOWENS Clarence	846-5837
13878	HORN James	846-8429
13940	XXXX	00
14068	XXXX	00
14071	XXXX	00
14254	CASTRO Juan Carlos	846-6317
14206	*J S AUTO SALES	846-5799
	*PETTYS BODY SHOP	846-8125
14218	EDWARDS Ed	846-5529
	*MICHAELS DOMSTC CTR	846-7144
14220	*THE BEAUTIFUL BODY	846-4208

WHITES BRDG RD W		93630 CONT
14350	XXXX	00
14356	XXXX	00
14367	XXXX	00
14380	APARTMENTS	
	AGUILAR Aracely	846-7507
	AGUILAR Jose	846-7507
	ANTUNEZ Elena	846-6588
	CASTANEDA Rene	846-8481
	MINOTOYA Roberto	846-5088
	VILLEGAS Maria P	846-6950
14380		
14442	*AUCTION HS WHITSBRDG	846-8172
	*COUNTRY FAIR	846-8172
	EATON Mildred	846-8172
	*WHITESBRDG AUCTION	846-8172
14451	XXXX	00
14481	*WESTSIDE ELCTRCL SH	846-8641
14495	XXXX	00
14505	GONZALEZ Pedro	846-5800
	RAMIREZ Jean	846-5884
	VALDEZ Filogonio	846-5876
14527	XXXX	00
14533	XXXX	00
14558	ROCHA David M	846-7927
	ROCHA Irma	846-7927
14575	MELTON James	846-8085
14601	XXXX	00
14603	XXXX	00
14607	XXXX	00
14625	XXXX	00
14652	TOSTE Willie	846-8424
14670	XXXX	00
14679	*SLUMBERGER LUMBER	846-7347
14680	*H&J CHEVROLET INC	846-8235
	*H&J CHEVROLET INC	485-8913
	*H&J CHEVROLET PARTS	846-8291
14692	*ANNIES PAMPRD POOCH	846-8219
14695	*BUTCHS AUTO PARTS	846-6668
	*BUTCHS MACHINE SHOP	846-6660
14699	*FRANCOS MUFFLER	846-8770
14702	XXXX	00
14703	*RUDOLPH AUTO BODY	846-8211
14705	*HOLLAND HONDA	846-8277
14750	*LAZARUS MACK MOBLHM	846-8341
14754	*LAZARUS MACK	233-1902
	*LAZARUS MACK MBLHMS	233-1902
	*MACK LAZARUS MBL HM	233-1902
14902	*FRASER SUPPLY INC	846-7304
14925	*WHITESBRIDGE THE	846-8624
14950	XXXX	00
14983	*BEACON SERV STA 555	846-8588
15000	*FOTOMAT CORPORATION	846-8590
	*KERMAN ARCO	846-8408
	*MARTINOIL CO	846-8408
15005	*TACO BELL	846-5871
15010	*AUTO PARTS	846-5219
	*CHIEF AUTO PARTS	846-5219
15016	*KERMAN OFFICE SPLYS	846-6855
	*VANNS BKKPG&TAX SRV	846-5485
15020	*A B C TV&VIDEO SERV	846-7628
15030	XXXX	00
15037	XXXX	00
15040	XXXX	00
15045	RODRIGUEZ Cecilia	846-5950
15051	*PLAZA DRUG CO	846-8296
	*PLAZA DRUG CO	268-8796
15057	*FOODLAND	846-8618
15061	*KALLES HAIR HANDLER	846-8471
15065	*HAIRWORKS MELISSA	846-7157
	*MELISSA&CO	846-7157
15070	*SPROUSE REITZ 1225	846-7766
15071	XXXX	00
15075	*KERMAN BAKERY	846-7696
	*PLAZA SWEET SHOPPE	846-7696
15081	*KERMAN VIDEO&BALLNS	846-6204
15085	*HONG KONG CHOP SUEY	846-7948
15091	*KERMAN U SAVE LQRS	846-8511
15100	*MCDONALDS	846-8022
15120	XXXX	00
15128	*K C S DELI	846-6114
15132	*CENTURY 21 TOWN	846-7321
15136	XXXX	00
15144	XXXX	00
15148	*SMITHS J PHOTIQUE	846-5649
15152	XXXX	00
15156	XXXX	00
15160	*VIDEO TO GO	846-8700
15164	*TONE MASTER OF CA	846-8100
15168	XXXX	00
15180	XXXX	00
15184	XXXX	00
15188	*JUNES BISCUITS&GRVY	846-5992
15191	*MEAEDS PIZZA PARLOR	846-6664
15196	*THRIFTY DRUG PHRMCY	846-7115
	*THRIFTY DRUG STORE	846-6693
15200	*ROUND TABLE PIZZA	846-7272
15208	*CALFARM INSURANCE	846-7389
15257	PHILLIPS Howard D	846-9069
15281	XXXX	00
15485	*EVANGELICAL CHURCH	846-5207
	*KERMAN COVENANT CH	846-5207
15729	XXXX	00
16015	CLARK Hester	846-9848
16128	MELGOZA Tony	846-7505
16142	WHITE Olan	846-7178
16146	COUTO Anthony	846-8502
16210	LATNER Frank	846-7033
16236	XXXX	00
16240	*CLEMENT APIARIES	846-8792
16242	CASTORENA Ruben	846-5448
16256	CLEMENT Jerry Chal	846-5865
	CLEMENT Jerry D	846-7471
16750	XXXX	00
16751	BOYD Don Jr	846-7874
16762	XXXX	00
16768	LUNA Marc	846-8658
16812	MONTOY Alex	846-8743
17046	XXXX	00
17134	XXXX	00
17178	POLANCO Jesse	846-5409
	RAMIREZ Socorro	846-8589
17182	SRAN Amarjit Singh	846-9073
17200	XXXX	00
17237	GREINER Larry	846-8899
17250	HUNTINGTON W W	846-9734
17262	XXXX	00
17290	HOPPS F	846-9251
17314	SANCHEZ Frances	846-7256
17354	CLAY Johnnie Lou	846-7863
17402	XXXX	00
17415	XXXX	00
17446	XXXX	00
17474	XXXX	00
17477	AZIZEH Moses	846-8074
	ESSEX Frank	846-8571
17480	RENDON Jesse	846-8505
17498	FILIPPO Benny	846-6116
17507	XXXX	00
17627	XXXX	00
17628	XXXX	00
17681	XXXX	00
17746	*AG DIA GINNING CO	846-8589
	*AG DIA GINNING CO	846-8340
17838	XXXX	00
18267	CEJA Antonio	846-9824
18274	GRAHAM Norwood	846-9601
18287	XXXX	00
18310	GRAHAM Dennis	846-7541
18519	TOSTE Paul A	846-8503
18525	XXXX	00
18582	SAMANIEGO S	846-8578
18736	XXXX	00
18821	XXXX	00
19641	CARLTON Laura	846-6026
19487	ARVANCE Bradley	846-6793
	ARVANCE Robert Wm	846-8241
	CARLSON Ed	846-8039

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1985 N MADERA AVE
SOURCE: HAINES

MADERA AV		93637 CONT
	WYNNE A L	673-7169
525		
586	STEVINSON SCOTT DDS	673-2298
590	VIEIRA DANNY P	673-8803
594	LAGUNA KNOLLS SALES	674-8474
596	BLUMBERG JOHN	675-8119
601	XXXX	00
621	XXXX	00
625	MADERA WEST APTS	
	ANDERSON DOUG	674-0123
	ANDERSON JERRY L	673-2627
	BARKER JIM	674-3608
	BLOOMER RAY	674-2733
	BOGAN E Z	674-0298
	BOLDING PAT	673-4025
	CHAMBERS RAY	674-9352
	COOLEY C T	673-1865
	DEATHERAGE MRS	673-3006
	DEBONO GENE	673-6858
	ELLIOTT O N	673-6629
	EVANS CHRISTINE	673-4718
	FERRETTI EDW	673-3254
	FULLER E L	673-5770
	GARZA ELIZABETH	661-1016
	HUES JIM	673-6233
	HULL OSSIE	674-9002
	JACK LEON	661-1300
	LENNON BILL	673-1395
	MADERA WEST APTS	674-7821
	MCLAUGHLIN REVA	673-1328
	MCNALLY CHAS W	674-5328
	MOE CHESTER J	674-3111
	MUSHARBASH HASSAN	675-1262
	PATRICK MICHAEL	673-5400
	PERKINS MONET	674-9371
	ROHN BRUCE	661-0111
	ROMERO EDW	674-1241
	RUIZ KIM	661-8093
	SINGH BIR	674-9298
	SMITH R M	673-2341
	STINSON DOWE	674-3621
	TROST D	661-2133
	URENA RUBEN	673-4411
	VALENCIA YOLANDA	675-1456
	VILLANUEVA MARIA L	661-7027
	WILLARD G E	673-8169
	WOOD JIM C	673-5821
	WORLAND M M	673-2626
	WRIGHT I B	673-5770
	YORK JESSE	674-5065
625		
725	APARTMENTS	
	ALDAMA LARRY	673-7898
	BARRERA JOHN	673-8365
	BRING C	673-8445
	BRUCE D L	673-7425
	CHAMBERS RAY	674-9354
	CHANDLER ROCHELLE	674-9336
	CHEATHAM BOBBY JR	674-9019
	CONLEY JOHNNY	674-8369
	DAVIS WM M	674-0809
	DEDMON STEVE	661-1227
	ELLER KIRK	673-7337
	ERDMAN GARY	673-2180
	GIMBL STEPHEN	674-9065
	GOODMAN HAZEL M	673-1025
	HARRIS SCOTT J	675-8136
	JOHNSON CHAS	673-6230
	KATURN CURTIS R	674-0358
	LARI MICHELLE	673-8419
	MARTIN KENNETH K	661-7208
	MEDELLIN THOMAS M	673-6229
	OGORMAN KEVIN J	674-3194
	PISANO RICHARD T JR	673-8284
	REEVES DAVID	673-2843
	REYES MICHAEL	674-3254
	RUELAZ GILBERT	673-3295
	SEVERA MADELYN M	673-1378
	TITUS JULIE ANN	673-8183
	VINEYARD RANCHOS	673-0081
	WARREN GEORGANNA	673-6277
725		
800	KUCKENBECKER TRACTR	665-4469
	KUCKENBECKER TRCTR	233-0519
1505	BOISE CASCADE BLDNG	673-3558
	BOISE CASCADE MTRLS	486-1064
*	23 BUS 122 RES	58 NEW

MADERA AV N 93630 KERMAN

134	XXXX	00
140	XXXX	00
149	XXXX	00
150	KERMAN CUSTOM FURN	846-8737
304	XXXX	00
309	XXXX	00
342	POGUE SANDY	846-9650
402	BOGDANOV MATVIA	846-6487
447	VALLANDINGHAM JOE	846-8418
564	PIERCE ANITA	846-5413
592	MEDICO JOHN L	846-9515
732	PATAPOFF MIKE	846-8412
808	PATAPOFF STAN	846-8623
950	XXXX	00
1020	HOLLINGSHOE TIRE SL	846-8621
	WALLYS TIRE&WHEEL	846-8621
1048	KERMAN TIRE&SERV CT	846-7358
1062	XXXX	00
1074	ROSARIO MARTIN	846-5493
1085	PODSAKOFF WILLIAM	846-5466
1110	DAUER CABINET&FURTR	846-8850
	DAUER KENNETH E	846-8536
1128	COTTRELL CLYDE	846-9682
1156	CAUBLE EMERY	846-9547
1178	QUODALA MARY D	846-8364
1210	XXXX	00
1395	BUCHNOFF ALEX	846-7068
	BUCHNOFF ALEX W	846-9481
1649	KUPINA STEVE	846-6733
1695	XXXX	00
1765	RADAVERO MIKE	846-8648
	RADAVERO RICHARD	846-8648
1790	CEDARRY JEAN	846-6258
1956	RADAVERO A E	846-6308
2025	MARTINEZ JESUS	846-7987
2185	SUSOEV PETE E	846-6293
2260	HELMUTH CURTIS J	846-6218
2325	WINGETT LU	846-6229
2435	SUSOEV JOHN	846-7425
2545	XXXX	00
2590	ALCARAZ RAFAEL M	846-6260
	EPPERSONS MARKET	846-7325
	RETREADERS THE	846-6526
2595	CHAPMAN PAUL JR	846-9725
2616	BRIGGS CHARLES	846-6939
2818	HELMUTH JEFF E	846-6480
2930	ASSEMBLIES OF GOD	846-8433
	CRANDALL JAMES REV	846-8433
	GRACE&TRUTH ASSEMBLY	846-8433
2945	XXXX	00
2980	RAMIREZS MARKET	846-7277
3024	XXXX	00
3076	BEULAH UNTD METH CH	846-8888
3095	ROBERTS FRANK N REV	846-8892
3160	WOOD JOHNNY	846-6420
3263	RUDOLPH GLENN	846-7645
3316	BREESE ROBERT	846-7915
3365	RUDOLPH KAREN	846-7447
	RUDOLPH TOM	846-7143
3400	MOROZOFF DAVID	846-6184
3500	FANUCCHI LEE	846-6129
3736	LUCCHESI ALBERT L	846-8495
3865	ABSOLUTE PEST CNTRL	846-8007
	CHAMPION JERRY	846-8755
	RASCO CHEMICALS INC	846-8306

MADERA AV N		93630 CONT
3890	BENGEL HENRY	846-4786
4015	XXXX	00
4140	BELLACH JAY W	846-9785
4175	PATTERSON GREG	846-9772
4268	XXXX	00
4363	HEEREN L M	846-8705
4370	LIDHOFF EDDIE	846-9404
4780	SCHMIDT RUSSELL	843-2681
4865	DETTMAN VERNON	843-2885
4880	XXXX	00
4938	DETTMAN VERNON	843-2886
5022	BETHANY LUTHERAN CH	843-2347
	CHRISTIANSEN D REV	843-2903
5065	XXXX	00
5075	XXXX	00
5110	ANDERSON GERALD	843-2409
5188	ALVARADO ARTURO	843-2858
5246	CAMARILLO A	843-2579
5290	XXXX	00
5355	XXXX	00
5405	ZIGENMAN ALBERT	843-2589
5430	SMART ALFRED	843-2664
5470	ADOLPHSON EMI Y	843-2302
	ADOLPHSON GORDON	843-2307
5585	ANDERSON DON SHOP	843-2484
	ENGLUND WALTER	843-2498
*	16 BUS 75 RES	6 NEW

MADERA AV S 93630 KERMAN

127	KERMAN CAR WASH	846-8915
152	LOPEZ MARIA	846-8547
160	XXXX	00
166	KERMAN GARDENS	
	AKERS MARGIE L	846-7987
	ALLEN NOLA MAE	846-8689
	ALLEN VIRGINIA	846-6184
	BACHMAN HENRY	846-8857
	BADHESHA FRANK J	846-6521
	BAILEY DORA E	846-6895
	BANDY ESTELLE	846-8911
	BENNETT ETHEL	846-7794
	BOYD JESSE	846-8270
	BRADLEY M A	846-7652
	BREWER L A	846-9419
	BURROWS LUTHER	846-7921
	CANTRELL ELZA	846-7769
	CARLSON E F	846-8049
	CROWDER A W	846-6342
	DALLAS I M	846-7689
	DELOACH ESTER	846-7798
	FERNANDES D	846-3038
	FITZGERALD PEARL	846-8083
	FLUD GLEN	846-6452
	FORTUNE GRACIE	846-7412
	FOSTER F	846-5485
	FUNKNER RUBEN	846-8095
	GARCIA GONZALO	846-6830
	GARCIA LORETO	846-8961
	GRIFFIN LUCY	846-6549
	HAMILTON VIRGIL	846-8453
	HAYS HAZEL L	846-7453
	HEINTZ JOHN	846-8920
	JESSEN LAWRENCE	846-9058
	JHUTI SATWANT	846-7823
	JOHNSON L M	846-7680
	JONES H	846-7724
	KADEN O R	846-8611
	KERMAN GARDEN APTS	846-7482
	KIGHT H J	846-6165
	KINNEY MARY	846-7527
	LEDBETTER E O	846-8144
	LLOYD D C	846-7256
	LUIS V	846-9296
	MARTIN BERTHA	846-8347
	MCMURRAY MATTIE	846-8007
	MEDRANO PEDRO	846-9916
	MORGAN C	846-6568
	NIEDERQUELL BESS	846-9089
	OAKS GLENNA	846-8771
	OHARA M	846-5456
	PAYNE RUTH	846-7520
	PERKINS W	846-8076
	POSADA ANTONIO	846-8960
	POWER JOSEPH B	846-8513
	RAMSEY B	846-7998
	REESE ROSS	846-8567
	RODRIGUEZ MANUEL G	846-8253
	SALAZAR M	846-5871
	SANTOS FREDERICK	846-5435
	SAYER DOROTHY	846-8939
	SMITH NECIA	846-8005
	SMITH R M	846-6842
	STANLEY P	846-8227
	SUNIGA ANDREW	846-7572
	THORNHILL C A	846-8292
	TOOTLE R	846-6851
	VALLANDINGHAM L	846-8783
	VANHOOSAN H	846-7880
	VANTASSEL JOSIE	846-7576
	WALLACE GEORGE R	846-7862
	WEIDNER L MRS	846-8542
	WOODARD JOHN	846-9022
	WYRICK ALVIN	846-8126
	YORK CHARLES	846-6555
	YORK JAMES	846-6552
166		
169	XXXX	00
170	WARDS GARAGE	846-8608
171	CARRICK MICHAEL MD	846-8259
	CHAFFIN A L MD INC	846-8259
	HALL CHUCK RPT	846-8259
177	UREN DAVID R DR	846-8210
178	XXXX	00
179	AUTOMTD CHOLINESTRS	846-7352
	KERMAN MEDICAL LAB	846-7352
181	XXXX	00
186	HOVESPIAN ROBT CPA	846-9479
	HOVSEPIAN&MCINTIRE	846-9479
	MCINTIRE D W PA	846-9479
187	KERMAN MOTOR PARTS	846-8286
	KERMAN MOTOR PARTS	846-8225
188	OMALLEY DAVID ATTY	846-4627
207	FOX NOLAN DC	846-8406
210	XXXX	00
215	COMMUNITY FIRST BNK	846-7333
220	GOLDEN WEST MBL HMS	
	ALEHIN FEDOR	846-4066
	ALVIS JIM	846-6139
	ARMAINE DENNIS	846-7179
	ASPHALT PAVING CO	846-7959
	BAKEMAN PEGGY D	846-7096
	BEDWELL JIM	846-7710
	BLANK LOUIS C	846-7837
	BORELIZ CHARLES N	846-7268
	BOTELHO DANNY	846-5465
	BOWLES KENNETH SR	846-6446
	BOYD H W	846-7264
	BROWN A M	846-7124
	CARRANZA JESSE	846-7072
	CASTANON PETE SD	846-8110
	CLAIBORNE ATHA	846-9070
	COURSEY MINNIE M	846-8362
	COX PHILLIP	846-9657
	DAVIS CLIFFORD	846-8491
	DHESI JASPAL	846-7995
	DIVINE RAEFORD	846-8932
	DOWNING ELEN G	846-7202
	EPPERSON J D	846-7660
	EPPLER CHET	846-9181
	FRIES BRENDA	846-6173
	GILL HARJINDER S	846-6608
	GOLDN WEST MBL HOME	846-7349
	GOMEZ J L	846-5604
	HALE DON	846-9504

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1985 N VINELAND AVE

SOURCE: HAINES

VINELAND AV N 93630
KERMAN

43	YATES A J JR	846-8725	
71	MECHELKE CRISTI	846-7008	+5
	MECHELKE FRED	846-8472	+5
88	SCOTT GEORGE A	846-9874	
100	XXXX	00	
120	XXXX	00	
123	XXXX	00	
248	VONFLUE RALPH	846-8470	1
	VONFLUE RALPH	846-8790	
287	LEWIS JANE	846-8946	4
636	MENDES FRANK J JR	846-8052	8
651	POPOFF PETE	846-7756	
697	COUTO DANIEL R	846-7111	
2040	WEATHERSON LEROY H	846-8422	
2086	WEATHERSON JERRY T	846-8806	

1985 W WHITESBRIDGE AVE

SOURCE: HAINES



C SAN JOAQUIN

WHITES BRIDGE RD W
93630 KERMAN

WHITES BRIDGE RD W
93640 MENDOTA

WHITLEY 93212
CORCORAN

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1980 N MADERA AVE

SOURCE: HAINES



MADERA

FRESNO

MADERA 93620 CONT.

1633 WEAGEL WALTER 392-2257
1634 ANDERSON W FORBES 392-2748
★ 1 BUS 21 RES 1 NEW

MADERA AV 93637
MADERA

101 MADERA MOTOR SALES 674-9331
114 HENSLEY BILL 674-4032
ORTEGA BENNY A 673-5648 +0
OSORIO SERAFIN 673-2343 +0
116 WILSON ROBERT C 673-4773
128 AGRI EXT SV FRM&HM 674-4841
MADERA CO OF AGRI 674-4841
MADERA CO OF FRM&HM 674-4841
133 XXXX 00
137 GRADY LORENE B 674-5549
151 LAFONDA DRIVE IN 674-8454
200 JOE JAMES FRD MRCRY 674-8707 +0
JOE JAMES FRD MRCRY 674-8771 +0
JOE JAMES FRD MRCRY 674-8763 +0
JOE JAMES FRD INTL 674-8771 +0
211 JOHNS EXXON SERVICE 674-1331
216 FARMERS SUPER MKT 674-6826
300 CNTRL VLY CNTR WIC 673-0749 +0
CNTRL VLY DISABLED 673-9141 +0
MADERA MEDICAL PHAR 674-0044 +0
MASSEE DONALD MD 674-8838 +0
PEDIATRIC MDCL CLNC 674-2432 +0
RAO KOSARAJU MD 674-2433
WIMALARATNE K N MD 673-5955
525 SOUTHWEST ENTP 674-0363 +0
601 XXXX 00
621 XXXX 00
625 MADERA WEST APTS
ANDERSON DOUG 674-0123
BAKER C M 674-7921
BARRERA JOHN 673-9365
BERRY G W 673-0589 +0
BLOEMER RAY 674-2723
BOEHM TOM 674-0185
BOGAN E Z 674-0296 +0
BRIDGES DANNY 673-0680 +0
CHAVIRA PATTY 674-6540 +0
COOLEY C T 673-1585 +0
DALTON LYN 673-2796 +0
DESMOND GERALD 674-0626
DODSON LINDA 674-1526 +0
DURELL ROBERT E 673-1438
ESQUIBEL VINCENT 674-6455
ESTRABROOK JAS 674-9306 +0
EVANS CHRISTINE 674-4718
FERRETTI EDMUND 673-3254
GARDENHIRE ROGER 674-7083 +0
GRIFFIN DANL L 674-9816 +0
GUTKNECHT CANDICE 674-9578
HAGE JIM 673-0859 +0
HAHN GREG 673-1116
HANNA FREDERICK 673-4654
HENDERSON C W 674-1919 +0
HOWARD JEFF W 674-8044 +0
JOHNSON KAREN 674-1826 +0
LOW CHARYL R 673-2996 +0
LOW TERI L 673-2996 +0
LUZ M F 674-0142
MADERA WEST APTS 674-7921
MALLONEE RALPH D 673-5585 +0
MATSUDA J G 673-1726
MEEKS BRENDA 673-5836 +0
MILLER W D 674-6389
MOORE SID K 673-5613 +0
MSCWAIN EUGENE 674-0543 +0
MYERS ANTHONY J 673-4517
NAVARRO JOHN 673-4807 +0
NELSON KENNETH E 674-1419
PATRICK MICHAEL 673-5400
PECK CHRIS R 674-9473 +0
RAMIREZ FRANK T 674-1016
RELIABLE TRENCHING 673-0151
ROMERO A 674-9689 +0
ROST MICHELLE M 674-7560 +0
ROUSEY JOYCE 674-0364 +0
ROWLAND CHEYENNE D 673-4527
SAVALA JIM 674-1586
SCHAFHAUSER LYNDA 674-5462
SHELLHORN DEBRA L 673-5609 +0
SHINEN E 674-9005 +0
SMITH RODNEY G 673-5890 +0
STUCKEY SUSAN K 674-9001 +0
VALDEZ EDWARD G 674-5482
VAN DYKE CLYDE J 673-2070 +0
VARELA JOHN 674-5195
VROEN ROBERT 674-0481
WILLIAMSON BRAD 674-0412 +0
WOOD DANNY I 674-4169
WOOD JIM C 673-3801
WOOD STEPHEN 673-5860 +0
625
725 VINEYARD RANCHOS 673-4169 +0
800 KUCKENBECKER TRACTR 233-0519
KUCKENBECKER TRCTR 674-2496 +0
1025 XXXX 00
★ 24 BUS 69 RES 46 NEW

MADERA AV N 93630
KERMAN

134 XXXX 00
140 XXXX 00
149 XXXX 00
150 KERMAN CUSTOM FURN 846-6737
304 XXXX 00
309 XXXX 00
342 XXXX 00
402★ TAYLOR BLAINE 846-6373
447 VALLANDINGHAM JOE 846-8418
564 REYNOLDS JOE L 846-8785 +0
592 MEDICO JOHN L 846-9513
733 PATAPOFF MIKE 846-8412
806 PATAPOFF STAN 846-8623
950 COPA DE ORO 846-8494 +0
1020 HOLLIS INDE TIRE 846-6621
1048 HUNTER ANDREA 846-7116 +0
1062 XXXX 00
1074 CHAVEZ MANUEL 846-7878
1085 POGSAKOFF WILLIAM 846-9466
1110 DAUER CABINET&FIXTR 846-9050
DAUER KENNETH E 846-8536
1128 COTTRELL CLYDE 846-9682
1156 CAUBLE EMERY 846-9547
1178 QUIDDALA MARY D 846-8364
1210 XXXX 00
1395 BUCHNOFF ALEX W 846-9481
BUCHNOFF MORRIE 846-7838
1695 XXXX 00
1745 BOUSHELE PHILIP 846-8621
1790 CEDARRY JEAN 846-6255
1955 RADAVERO A E 846-8308
2025 MARTINEZ JESUS 846-7887
2195 SUSOEV PETE E 846-8393
2260 HELMUTH JAMES C 846-9816
2325 WINGETT LU 846-8225
2436 BAHR A F 846-7285

MADERA AV N 93630 CONT

2545 FORESTER FOUNDATION 846-7301 +0
GOOD ARMY SVS 846-7301
2590 EPPERSONS MARKET 846-7325
2595 XXXX 00
2815 HELMUTH JEFF E 846-8480
2930 ASSEMBLIES OF GOD 846-8433
GRACE&TRUTH ASSMBLY 846-8433
RICHARDSON RON REV 846-8433
2945 PEREZ ROBERT 846-9536 +0
2960 RAMIREZS MARKET 846-7277 +0
3024 XXXX 00
3075 BEULAH METH CH 846-8692 +0
BEULAH UNTD METH CH 846-8641
BEULAH UNTD METH CH 846-8686
SMITH WILFORD C REV 846-8686 +0
3160 WOOD JOHNNY 846-6420
3283 RUDOLPH CELIA B 846-9723
3316 BREESE ROBERT 846-7915
3365 RUDOLPH TOM 846-7143
3400 MOROZOFF DAVID 846-8154
3500 MARTIN ROLAND 846-6717 +0
3735 XXXX 00
3885 RASCO CHEMICALS 846-8567 +0
3890 BENGEL HENRY 846-6786
4015 ZIENGENFUSS ROY 846-8579 +0
4140 BELLACH JAY W 846-9785
4175 BELLACH FRANK C 846-9743
4266 XXXX 00
4363 HEEREN L M 846-9705
4370 SLIVKOFF MIKE W 846-9685
4780 XXXX 00
4865 DETTMAN VERNON 843-2565
4880 ANDERSON R N 843-2546
4939 DETTMAN VERNON 843-2565 +0
5022 BETHANY LUTHERAN CH 843-2547
CHRISTIANSEN G REV 843-2903
5085 YOUNG F E 843-2542
5075 XXXX 00
5110 ANDERSON GERALD 843-2409
5188 ALVARADO ARTURO 843-2856
5245 CAMARILLO A 843-2579
5290 WALTERS DAVID 843-2530
5355 RODRIQUEZ F C 843-2672
5405 ZIGENMAN ALBERT 843-2569
5430 XXXX 00
5570 ADOLPHSON EMI Y 843-2302 +0
ADOLPHSON GORDON 843-2302 +0
5585 ENGLUND WALTER 843-2498
★ 15 BUS 69 RES 14 NEW

MADERA AV S 93630
KERMAN

127 KERMAN CAR WASH 846-8915
152 XXXX 00
160 XXXX 00
169 KERMAN CLINICAL LAB 846-9782
170 WARDS GARAGE 846-9608
171 CHAFFIN A L MD INC 846-9359 +0
177 URIEN DAVID R DR 846-8210
178 XXXX 00
179 CAL FARM INSURANCE 846-7389
181 MCINTIRE D W 846-9479
187 KERMAN MOTOR PARTS 846-9366
KERMAN MOTOR PARTS 846-9325
188 XXXX 00
207 FOX NOLAN DC 846-9406
210 XXXX 00
215 COMMUNITY NATNL BNK 846-7333
220 GOLDEN WEST MBL HMS
BAKEMAN JAMES C 846-7096
BEDWELL JIM 846-7710
BLANK LOUIS C 846-7837
BLANK RAYMOND 846-9104
BORELIZ CHARLES N 846-7268
BOWLES KENNETH SR 846-6446
BOYD H W 846-7264 +0
BROWN A M 846-7124 +0
CASEY DAVID 846-6770 +0
COOK JAMES E 846-6751 +0
COURSEY MINNIE M 846-8362
COX J A 846-7401
EPPERSON J O 846-7660
EPPLER CHET 846-9181
FUNDERBURG DONALD 846-6758 +0
GOLDEN KENNETH W 846-7778 +0
GOLDN WEST SML HOME 846-7349
GUTIERREZ FIO 846-9697 +0
HANSEN MAE 846-9208
HARRIS WILLIAM E 846-6480 +0
HENDRICKSON LILLIAN 846-9431 +0
HERNANDEZ MARCOS 846-8740
HERNANDEZ ROBERT 846-8218 +0
HOUSTON JAMES P 846-6834
JOHNSON M L 846-7046
JORDAN LLOYD 846-7580
MANRIQUEZ ALEX 846-9452
MARIN PETE 846-6740
MORGAN WILLIAM 846-6593
NAPIER WALTER 846-8250 +0
NEWMAN R DALE 846-6664 +0
OAKS EUGENE 846-7736 +0
OAKS GARY 846-6475 +0
PEREZ JOSE 846-6381
ROSS PHILIP 846-6524
RUSSELL RICK 846-8825 +0
SATRAGNI JOHN 846-7054
SELZER RICHARD 846-8524
SHORT C T 846-6478
SMART MICHAEL J 846-6497 +0
STEWART RICHARD 846-7852
STOCKTON F R 846-7241
ULERY VIVIAN 846-9179
VALLES DANIEL 846-7190
VALLES JESSE 846-7228
VALLES KATHY 846-7228
VESSELLS FRANK 846-9444
WALDRON R L 846-7816
WYRICK ALVIN 846-8128
220
230 JIFFY FOOD STORE 8 846-7273
RUG DOCTOR RENTS 846-7273
260 XXXX 00
275 BOYD J H SON RLTRS 846-9362
OMALLEY DAVID T 846-6627
RANCHERS ESCROW CO 846-7364
SCOTT MARVIN M DDS 846-6691
280 HOWE FURNITURE TRDR 846-7272
288 BONIS HAIR&FGR SLN 846-9413
SALON DEVALADEZ 846-9413
290 KERMAN MUFFLER SHOP 846-7929
311 DAVIDS RADIO&TV 846-8290
WESTERN AUTO STORE 846-8260
326 XXXX 00
330 KERMAN AUTO REPAIR 846-6636
WESTERN POOLS 846-8028
345 XXXX 00
395 BIG SCOOP ICE CRM 846-7940 +0
408 MEDINAS NEW&USED 846-8711
410 KERMAN RADIO&TV RPR 846-8070 +0
RADIO SHACK DEALERS 846-8070 +0
411 XXXX 00

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1980 N VINELAND AVE

SOURCE: HAINES

VINELAND AV N 93630
KERMAN

43	YATES A J JR	846-8725
88	SCOTT GEORGE A	846-9874
100	MECHELKE FRED A	846-8472
120	XXXX	00
248	VONFLUE RALPH	846-8790
	VONFLUE RALPH	846-8453 +
287	XXXX	00
636	MENDES FRANK J JR	846-8052
651	POPOFF PETE	846-7756
697	COUTO DANIEL R	846-7111
2040	WEATHERSON LEROY H	846-8422
2086	WEATHERSON JERRY T	846-8806

1980 W WHITESBRIDGE AVE

SOURCE: HAINES



WHITES BRIDGE RD W 93706 CONT

9603 KLISS BOB A 237-5308 +0
9623 GERAWN WEST 266-6906 +0
9658 ABRAHAMIAN RICHARD 268-2871
9724 XXXX 00
9818 REINHARDT DONALD 268-2888
9867 ANDRESEN W 268-2320
9874 ARRIGONI ARGIA 485-4684 7
10610 ANDRESEN J C 264-8787
10612 GRAY JESSE H 846-6222 9
10737 JOHNSON R L 848-9270 6
11200 PRODUCERS COTTN OIL 264-0521
PRODUCERS KERMAN GI 264-0521
PRODUCERS KRWN GIN 846-9204 +0
11487 OROSCO EUFEMIA 846-6291 6
11585 SAMARIN ALEX J 846-7974 9
* 59 BUS 135 RES 20 NEW

WHITES BRIDGE RD W 93630 KERMAN

12570 TEIXEIRA TONY 846-8428
TEIXEIRA TONY JR 846-9711 +0
12909 LUTZ JIM 846-9049 8
13200 KROMBERG BROS 846-7542 6
MARANATHA HOUSE 846-8655 +0
THOMAS CARTHYL 264-7227
WORLD WIDE MNSTRS 846-8655 +0
13421 TOSTE JOE M 846-9107
13650 SCALES EDWARD 846-8961 7
13659 XXXX 00
13668 MATTHEWS ALYNE 846-8429
13767 XXXX 00
13820 THOMAS CARTHYL 846-8504 5
13878 SANDLING D M 846-8426 3
13940 CRISP RICHARD 846-8029 9
SEARS W WELL DRLLNG 846-7292 5
14068 XXXX 00
14071 XXXX 00
14254 XXXX 00
14306 CASTRO GARAGE 846-6773 9
14318 EDWARDS ED 846-3629
WHITESBRDG TRNGL SV 846-8105 7
14350 KINSWORTHY B 846-8713
14356 COSTA MANUEL J 846-6250 9
14367 HANEY RAY 846-8042
14391 MARTIN H A 846-7006 7
14393 DAVIDSON ELMER L 846-7864 3
GAMEZ RAY 846-7242 +0
HONER MARION 846-7472 9
HORNES MANOR 846-6269 5
TRUJILLO ARMONDO 846-9798 +0
14443 AUCTION HS WHTSBRDG 846-9172
COUNTRY FAIR 846-9172 6
EATON MILDRED 846-9172
WHITESBRDG AUCTION 846-9172
14451 F M C AGRI CHEM GRP 846-7294 +0
14491 WESTSIDE ELCTRCL SH 846-9641
14495 XXXX 00
14505 FLORES JUAN R 846-7391 +0
GUTIERREZ IGNACIO 846-6543 8
14527 XXXX 00
14533 RODRIGUEZ GENOVEVA 846-7950 +0
14559 RODRIQUEZ HILDA 846-6718 +0
14575 MELTON JAMES 846-8089
14601 BRANDON DELLA 846-7060 4
14603 ALLEN VIRGINIA 846-6194 9
SANDERS VIVIAN R 846-8408 +0
WILLIAMS JIMMY 846-9780 +0
14607 ORNDOFF JOE A 2D 846-9130
14637 XXXX 00
14652 XXXX 00
14670 XXXX 00
14679 KERMAN MOTORS 846-7426 4
14680 H J CHEVROLET INC 846-9335 9
H J CHEVROLET PARTS 846-9337 9
14695 BUTCHS AUTO PARTS 846-6669 +0
14702 XXXX 00
14703 SLUMBERGER LUMBER 846-7347 6
14705 BUTCH TURNER YAMAHA 846-9377 +0
HOLLAND HONDA 846-9377 7
TURNERS YAMAHA 846-9377 +0
14750 LAZARUS MACK MOBLHM 846-9341
14754 LAZARUS MACK 233-1802 8
LAZARUS MACK MBLHMS 233-1802 8
MACK LAZARUS MBL HM 233-1802 8
14902 FRASER SUPPLY CO 846-7305
14925 FREHLING COCKTAILS 846-9902
WHITESBRDG THE 846-9902
14980 BENS CHEVRON SERV 846-8300
14985 BEACON SERVICE STA 846-9569 9
15005 TOMS BURGER HUT 846-8355 6
15010 AUTO PARTS 846-8449 +0
CHEIF AUTO PARTS 846-8449 +0
15030 XXXX 00
15037 FOTOMAT CORP ISLAND 846-9590 9
15040 XXXX 00
15045 SABINOS FRIED CHCKN 846-9144 +0
15051 PLAZA DRUG CO 846-8396
PLAZA DRUG CO 266-8795
15057 FOODLAND 846-6618 +0
15061 XXXX 00
15065 JEANNES SALON 846-7117
15070 SPROUSE REITZ 1236 846-7768 +0
15071 XXXX 00
15075 KERMAN BAKERY 846-7696 5
PLAZA SWEET SHOPPE 846-7696 +
15085 MAS CAFE 846-8487 5
15091 KERMAN U SAVE LQRS 846-9511 3
15128 KERMAN CREAMERY 846-6181 +0
15132 ELSARAPE RECORDS 846-8122 +0
15148 PERFECT FIT THE 846-7849 +0
15164 CREATIVE KITCHEN 846-6679 +0
15168 DEMARCO BOOTIQUE 845-9140 +0
15172 CLOTHES SHOPPE THE 846-8666 +0
15180 COUNTRY CASUALS 846-7503 +0
HACIENDA HERNANDEZ 846-7956 +0
15184 SWEET PEA THE 846-6639 +0
15188 AZOREAN THE 846-7833 +0
15191 MEADS PIZZA PARLOR 845-6664 +0
15196 THRIFTY DRUG PHARM 846-7115 +0
THRIFTY DRUG STORE 846-6683 +0
15200 ROUND TABLE PIZZA 846-7373 +0
15267 PHILLIPS HOWARD D 846-9069
15281 NOVA HIGH SCHOOL 846-7286 +0
15495 JOHNSON THOMAS REV 846-8000 6
KERMAN COVENANT CH 846-8000 8
15729 XXXX 00
16015 CLARK HESTER 846-9848
GENTRY J A 846-9796
16126 XXXX 00
16142 WHITE OLEN 846-7176 4
16146 CABRAL JOE D 846-9531 9
CABRAL JOE TRUCKING 846-9531 9
16238 XXXX 00
16240 CLEMENT APIARIES 846-9792 3
16242 XXXX 00
16256 CLEMENT JERRY D 846-7471 4
16750 XXXX 00
16751 XXXX 00
16762 JONES RUBY 846-7074 +0
16788 LUNA VENTURA 846-9088 8
16812 MONTOY ALEX 846-8743

WHITES BRIDGE RD W 93630 CONT

17046 XXXX 00
17134 BREA AG SERVICE 486-8788 +0
BREA AGRI SERV 846-7321 7
17178 XXXX 00
17182 GILL GURCHARN 846-9152 9
17200 GONSALEZ AUGUSTIN 846-6354 5
17237 XXXX 00
17250 XXXX 00
17262 XXXX 00
17290 HOPPS F 846-9251 +0
17314 SANCHEZ N 846-7256 5
17354 CLAY CARRIE B 846-8660 4
CLAY JOHNNIE LOIS 846-7663 3
17402 XXXX 00
17415 XXXX 00
17468 MELGOZA TONY 846-7505 +0
17474 ESSERS MARKET 846-8010 6
17480 RENDON JESUS 846-6505 9
17496 APARTMENTS
ARREOLA FILEMON A 846-6437 +0
DELGACH ESTHER 846-7798 +0
ESPINOZA HUMBERTO 846-7971 +0
FLIPPO BENNY 846-6116 4
MARCUCCI ALLEN 846-8236
17496
17507 ELCAMINO CAFE 846-9998
PALAZUELOS YANNA 846-9996
17627 PITTMAN WALTER 846-9658 5
17628 XXXX 00
17681 GARCIA FRANK 846-9158 9
17710 XXXX 00
17746 SMITH GINNING CO 848-9340
17838 ECONOMY ROSE 846-6221 5
18267 METCALF NORMAN 846-8608 +0
18287 METCALF RAY L SR 846-7082 6
18310 GRAHAM DENNIS 846-7541 7
18519 TOSTE PAUL A 846-8503 3
TOSTE RITA 846-7122 6
18582 MECHEKOFF MIKE P 846-7935 9
18735 GARCIA VICTORINO 846-8627 +0
18772 EPSEAFF GEORGE G 846-7953 9
M D MANURE DIST 846-7953 +0
18821 JUAREZ EMILIO 846-9241 +0
18841 CLINTON BILLY 846-8734 +0
19487 ARVANCE BRADLEY 846-6793 8
ARVANCE ROBERT WM 846-6241 5
CARLSON ED 846-8039 7
19488 NORD LEE 846-7028 4
19521 XXXX 00
19586 NORD GARY R 846-9147
NORD JOHN J 846-9182
19731 ZAMORA ROBERT 846-7469 5
19732 XXXX 00
19738 GARZA JACINTA V JR 846-7558 9
19740 XXXX 00
19844 CASAS MARIA 846-7768
19894 POLANCO P 846-9126 3
20077 RIVERA FRANCISCO 846-7216
20101 RIVERA JACINTO 846-7457 9
20175 CAVAZOS JOE 846-9153
20343 XXXX 00
20961 ALVES FRANK 846-7867 9
* 69 BUS 113 RES 46 NEW

WHITES BRIDGE RD W 93640 MENDOTA

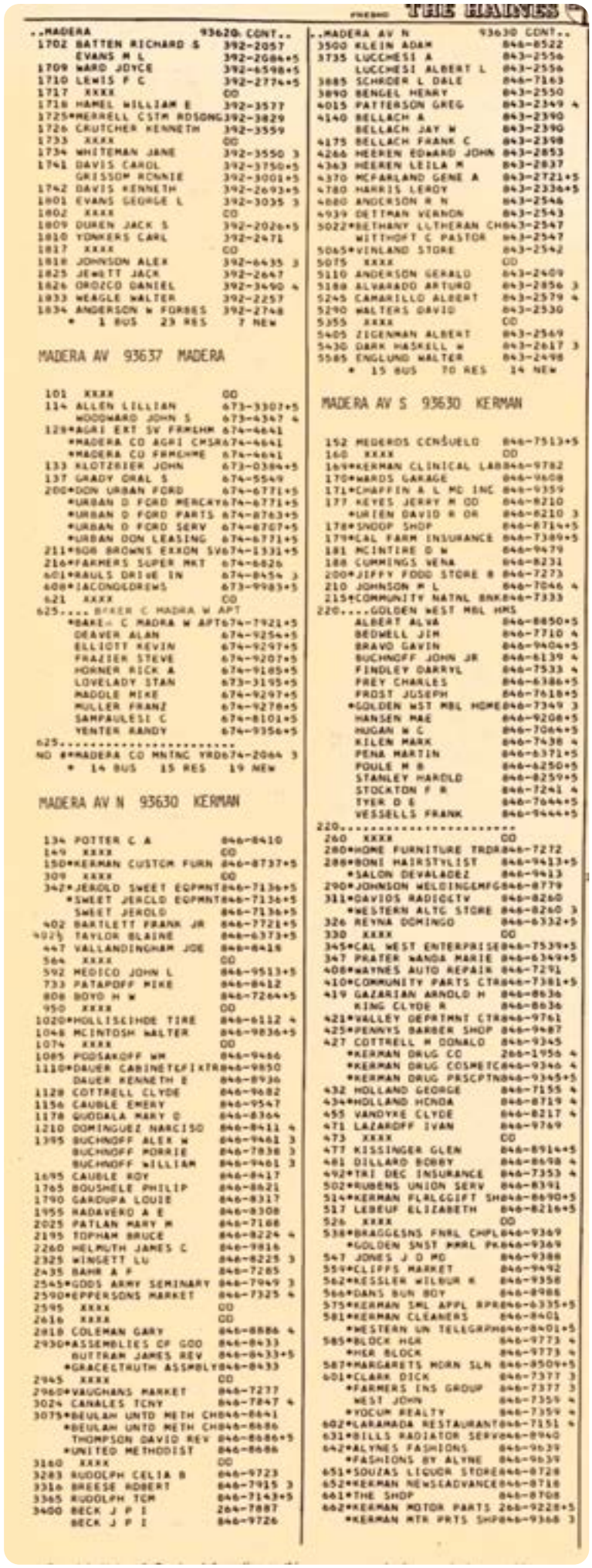
23476 MILLER TERRY 655-4736 +0
23886 FRESNO WST GLF CLUB 846-8655 +0
FRESNO WST GLF CLUB 846-8112 +0
GOERING RONALD L 655-3734 +0
24025 GOODMAN WALTER 655-4380 9
TRACTION RANCH 846-8541 +0
24096 COON FRED JR 846-7562 9
24106 XXXX 00
24126 LEAL DAVID 655-4492 +0
PEREZ RAFAEL 655-4741 +0
VIEIRA MANUEL M 655-3603 6
24136 BENNETT ETHEL 655-4702 +0
24142 CARVEALHO L 655-3331 8
24145 XXXX 00
24148 ROCHA JOE 655-4765 6
ROCHA JOHN 655-4697 6
24158 XXXX 00
24176 ROCHA DOMINGOS S 655-4333 +0
24418 RODRIGUES RANDALL 655-4217 7
25500 BAR 20 DAIRY FARMS 846-7095 +0
PRODUCERS DISTNSTR 655-3183 4
28655 XXXX 00
28755 KRUSE K H 655-4686
29343 SUNGA FRANK D 655-3198 9
29400 AMSTAR CORP SUGAR 655-4961
29406 XXXX 00
29411 XXXX 00
29417 CORTEZ MIKE 655-3437 +0
29443 XXXX 00
29484 GARCIA GEORGE 655-3587 8
29515 XXXX 00
29519 XXXX 00
29531 XXXX 00
29555 BRYANT RAY 655-4979
NAVARRO TONY 655-4572 +0
29655 BERMUDEZ JUAN 655-4747
29725 MARTINEZ ANTHONY 655-3226 6
29931 XXXX 00
29995 XXXX 00
30055 BARKER LEONARD JR 655-4574
BARKER MINNIE 655-4784 5
30440 JACKS BAYOU RESORT 655-3778 +0
MENDOTA SLGH BAIT 655-3663 +0
30444 XXXX 00
NO # JACKS RESORT 655-3349 5
* 9 BUS 36 RES 14 NEW

WHITLEY 93212 CORCORAN

196 WILKINS A B 992-4543
250 XXXX 00
521 XXXX 00
556 FRANKS SERVICE STA 992-3214 4
557 NAVE BROS CRANE 992-3492 5
608 RUBALCAVA JOSE D 992-5414 +0
611 XXXX 00
612 XXXX 00
629 XXXX 00
645 XXXX 00
700 PETROLANE GAS SERV 992-3303
800 RIO GRANDE MARKET 992-2818
801 JOHNSON OMER SLS&SV 992-2837 5
813 XXXX 00
815 CATHYS BTY SLN 992-4327 +0
817 BALTIERRA HOTEL 992-4640 5
CORCN HOTEL 992-4640
821 BALTIERRA BKPNG 992-5124 +0
HAILE M C AGY 992-3188
MARGOT JOHN 992-3188
829 XXXX 00
832 IDEAL CLNRS&RENTAL 992-3243 6
836 RANCHO GRNDE TORTLA 992-2214
840 JACKSONS CAR WASH 992-2080 6

1975 N MADERA AVE

SOURCE: HAINES



..MADERA 93620 CONT..

1702 BATTEN RICHARD S 392-2057
EVANS M L 392-2684 +5
1709 WARD JOYCE 392-4598 +5
1710 LEWIS P C 392-2774 +5
1717 XXXX 00
1718 HAMEL WILLIAM E 392-3577
1725*HERRELL CSTM RDSONG 392-3829
1726 CRUTCHER KENNETH 392-3559
1733 XXXX 00
1734 WHITEMAN JANE 392-3550 3
1741 DAVIS CAROL 392-3750 +5
GRISSOM RONNIE 392-3001 +5
1742 DAVIS KENNETH 392-2693 +5
1801 EVANS GEORGE L 392-3035 3
1802 XXXX 00
1809 DUREN JACK S 392-2026 +5
1810 YONKERS CARL 392-2471
1817 XXXX 00
1818 JOHNSON ALEX 392-6435 3
1825 JEWETT JACK 392-2647
1826 OROZCO DANIEL 392-3490 4
1833 WEAGLE WALTER 392-2257
1834 ANDERSON W FORBES 392-2748
* 1 BUS 23 RES 7 NEW

MADERA AV 93637 MADERA

101 XXXX 00
114 ALLEN LILLIAN 673-3307 +5
WOODWARD JOHN S 673-4347 4
129*AGRI EXT SV FRMLNM 674-4641
*MADERA CO AGRI CMSR 674-4641
*MADERA CO FRMGNME 674-4641
133 KLOTZBIER JOHN 673-0384 +5
137 GRADY ORAL S 674-5549
200*DON URBAN FORD 674-6771 +5
*URBAN D FORD MERCRY 674-6771 +5
*URBAN D FORD PARTS 674-8763 +5
*URBAN D FORD SERV 674-8767 +5
*URBAN DON LEASING 674-6771 +5
211*SOB BROWNS EXXON SV 674-1331 +5
216*FARMERS SUPER MKT 674-6826
601*RAULS DRIVE IN 674-8454 3
608*JACONGDREWS 673-9983 +5
621 XXXX 00
625.... BAKER C MADRA W APT
*BAKER C MADRA W APT 674-7921 +5
DEAVER ALAN 674-9254 +5
ELLIOTT KEVIN 674-9297 +5
FRAZIER STEVE 674-9207 +5
HORNER RICK A 674-9185 +5
LOVELADY STAN 673-3195 +5
MADDLE MIKE 674-9297 +5
MULLER FRANZ 674-9276 +5
SAMPAULESI C 674-8101 +5
YENTER RANDY 674-9356 +5
625.....
NO #*MADERA CO MNTNC YRD 674-2064 3
* 14 BUS 15 RES 19 NEW

MADERA AV N 93630 KERMAN

134 POTTER C A 846-8410
149 XXXX 00
150*KERMAN CUSTOM FURN 846-8737 +5
309 XXXX 00
342*JERALD SWEET EQPMNT 846-7136 +5
*SWEET JERALD EQPMNT 846-7136 +5
SWEET JERALD 846-7136 +5
402 BARTLETT FRANK JR 846-7721 +5
402½ TAYLOR BLAINE 846-6373 +5
447 VALLANDINGHAM JOE 846-8416
564 XXXX 00
592 MEDICO JOHN L 846-9513 +5
733 PATAPOFF MIKE 846-8412
806 BOYD H W 846-7264 +5
950 XXXX 00
1020*HOLLISEIHDE TIRE 846-6112 4
1048 MCINTOSH WALTER 846-9836 +5
1074 XXXX 00
1085 POGSAKOFF WM 846-9486
1110*DAUER CABINETEFIXTR 846-9850
DAUER KENNETH E 846-8936
1128 COTTRELL CLYDE 846-9682
1156 CAUBLE EMERY 846-9547
1178 QUODALA MARY C 846-8364
1210 DOMINGUEZ NARCISO 846-8411 4
1395 BUCHNOFF ALEX W 846-9461 3
BUCHNOFF MORRIE 846-7838 3
BUCHNOFF WILLIAM 846-9461 3
1695 CAUBLE ROY 846-8417
1765 BOUSHELE PHILIP 846-8621
1790 GARDUPA LOUIE 846-8317
1955 HADAVERD A E 846-8308
2025 PATLAN MARY M 846-7188
2195 TOPHAM BRUCE 846-8224 4
2260 HELMUTH JAMES C 846-9816
2325 WINGETT LU 846-8225 3
2435 BAHR A F 846-7285
2545*GODS ARMY SEMINARY 846-7949 3
2590*EPPERSONS MARKET 846-7325 4
2595 XXXX 00
2616 XXXX 00
2810 COLEMAN GARY 846-8886 4
2930*ASSEMBLIES OF GOD 846-8433
BUTTRAM JAMES REV 846-8433 +5
*GRACETRUTH ASSMBLY 846-8433
2945 XXXX 00
2960*VAUGHANS MARKET 846-7237
3024 CANALES TCNY 846-7847 4
3075*BEULAH UNTD METH CH 846-8641
*BEULAH UNTD METH CH 846-8686
THOMPSON DAVID REV 846-8686 +5
*UNITED METHODIST 846-8686
3160 XXXX 00
3283 RUDOLPH CELIA B 846-9723
3316 BREESE ROBERT 846-7915 3
3365 RUDOLPH TOM 846-7143 +5
3400 BECK J P I 266-7887
BECK J P I 846-9726

..MADERA AV N 93630 CONT..

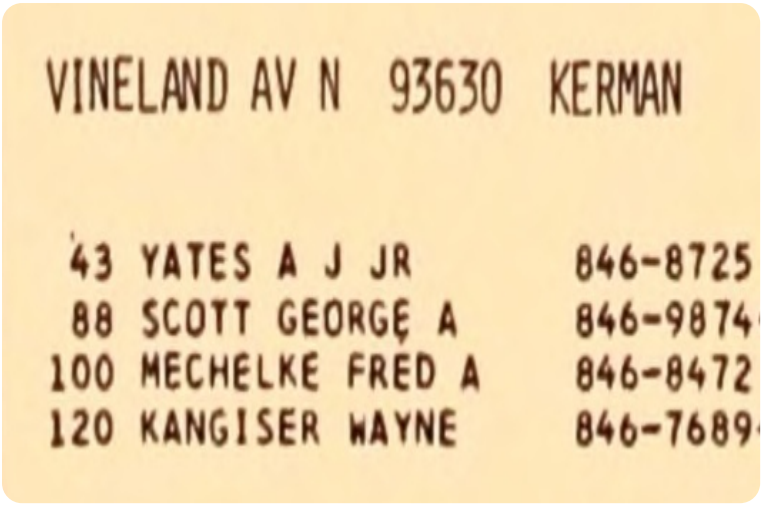
3500 KLEIN ADAM 846-8522
3735 LUCCHESI A 843-2556
LUCCHESI ALBERT L 843-2556
3885 SCHRODER L DALE 846-7163
3890 BENGEL HENRY 843-2550
4015 PATTERSON GREG 843-2349 4
4140 BELLACH A 843-2390
BELLACH JAY W 843-2390
4175 BELLACH FRANK C 843-2398
4266 HEEREN EDWARD JOHN 843-2853
4363 HEEREN LEILA M 843-2837
4370 MCFARLAND GENE A 843-2721 +5
4780 HARRIS LEROY 843-2336 +5
4880 ANDERSON R N 843-2546
4939 DETTMAN VERNON 843-2543
5022*BETHANY LUTHERAN CH 843-2547
WITTHOFT C PASTOR 843-2547
5065*VINLAND STORE 843-2542
5075 XXXX 00
5110 ANDERSON GERALD 843-2409
5188 ALVARADO ARTURO 843-2856 3
5245 CAMARILLO ALBERT 843-2579 4
5290 WALTERS DAVID 843-2530
5355 XXXX 00
5405 ZIGENMAN ALBERT 843-2569
5430 DARK HASKELL W 843-2617 3
5585 ENGLUND WALTER 843-2498
* 15 BUS 70 RES 14 NEW

MADERA AV S 93630 KERMAN

152 MEDEROS CONSUELO 846-7513 +5
160 XXXX 00
169*KERMAN CLINICAL LAB 846-9782
170*WARDS GARAGE 846-9608
171*CHAFFIN A L MD INC 846-9359
177 KEYES JERRY M OD 846-8210
*URIEN DAVID R OR 846-8210 3
178*SNOOP SHOP 846-8714 +5
179*CAL FARM INSURANCE 846-7389 +5
181 MCINTIRE D W 846-9479
188 CUMMINGS VENA 846-8231
200*JIFFY FOOD STORE 8 846-7273
210 JOHNSON M L 846-7046 4
215*COMMUNITY NATNL BNK 846-7333
220....GOLDEN WEST MBL HMS
ALBERT ALVA 846-8850 +5
BEDWELL JIM 846-7710 4
BRAVO GAVIN 846-9404 +5
BUCHNOFF JOHN JR 846-6139 4
FINDLEY DARRYL 846-7533 4
FREY CHARLES 846-6386 +5
FROST JOSEPH 846-7618 +5
*GOLDEN WST MBL HOME 846-7349 3
HANSEN MAE 846-9208 +5
HUGAN W C 846-7046 +5
KILEN MARK 846-7438 4
PENA MARTIN 846-6371 +5
POULE M B 846-6250 +5
STANLEY HAROLD 846-8259 +5
STOCKTON F R 846-7241 4
TYER D E 846-7044 +5
VESSELLS FRANK 846-9444 +5
220.....
260 XXXX 00
280*HOME FURNITURE TRD 846-7272
288*BONI HAIRSTYLIST 846-9413 +5
*SALON DEVALADEZ 846-9413
290*JOHNSON WELDINGEMFG 846-8779
311*DAVIDS RADIO&TV 846-8260
*WESTERN ALTC STORE 846-8260 3
326 REYNA DOMINGO 846-6332 +5
330 XXXX 00
345*CAL WEST ENTERPRISE 846-7539 +5
347 PRATER WANDA MARIE 846-6349 +5
408*WAYNES AUTO REPAIR 846-7291
410*COMMUNITY PARTS CTR 846-7381 +5
419 GAZARIAN ARNOLD H 846-8636
KING CLYDE R 846-8636
421*VALLEY DEPRTMNT CTR 846-9761
425*PENNYS BARBER SHOP 846-9487
427 COTTRELL M DONALD 846-9345
*KERMAN DRUG CO 266-1956 4
*KERMAN DRUG COSMETC 846-9346 4
*KERMAN DRUG PRSCPTN 846-9345 +5
432 HOLLAND GEORGE 846-7155 4
434*HOLLAND HONDA 846-8719 4
455 VANDYKE CLYDE 846-8217 4
471 LAZAROFF IVAN 846-9769
473 XXXX 00
477 KISSINGER GLEN 846-8914 +5
481 DILLARD BOBBY 846-8648 4
492*TRI DEC INSURANCE 846-7353 4
502*RUBENS UNION SERV 846-8391
514*KERMAN FLRLGGIFT SHP 846-8690 +5
517 LEBEUF ELIZABETH 846-8216 +5
526 XXXX 00
538*BRAGGSNS FNRL CHPL 846-9369
*GOLDEN SNST MMRL PRK 846-9369
547 JONES J O MD 846-9388
559*CLIFFS MARKET 846-9492
562*KESSLER WILBUR K 846-9358
566*DANS BUN BOY 846-8986
575*KERMAN SML APPL SPR 846-6335 +5
581*KERMAN CLEANERS 846-8401
*WESTERN UN TELLGRPH 846-8401 +5
585*BLOCK H&R 846-9773 4
*HER BLOCK 846-9773 4
587*MARGARETS MORN SLN 846-8509 +5
601*CLARK DICK 846-7377 3
*FARMERS INS GROUP 846-7377 3
WEST JOHN 846-7359 4
*YOCUM REALTY 846-7359 4
602*LARAMADA RESTAURANT 846-7151 4
631*BILLS RADIATOR SERV 846-8940
642*ALYNES FASHIONS 846-9639
*FASHIONS BY ALYNE 846-9639
651*SOUZAS LIQUOR STORE 846-8728
652*KERMAN NEWS&ADVANCE 846-8718
661*THE SHOP 846-8708
662*KERMAN MOTOR PARTS 266-9228 +5
*KERMAN MTR PRTS SHP 846-9368 3

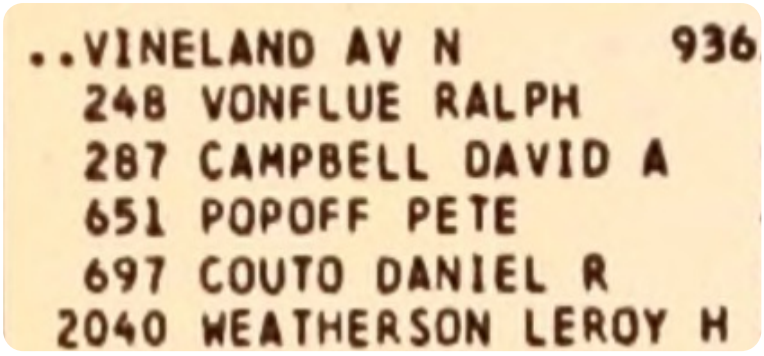
1975 N VINELAND AVE-A

SOURCE: HAINES



1975 N VINELAND AVE-B

SOURCE: HAINES



1975 W WHITESBRIDGE AVE

SOURCE: HAINES



FRESNO THE HAINES DIRECTORY 1975

..WHITES BRIDGE RD W 93706 CONT..
9818 REINHARDT DONALD 268-2888
9867 ANDRESEN W 268-2320
9874 ARRIGONI ALBERT 846-9446
ARRIGONI FRANK 264-8452
ARRIGONI FRANK 846-9446
* 51 BUS 115 RES 25 NEW

WHITES BRIDGE RD W 93650 KERMAN

10380 XXXX OO
10610 ANDRESEN J C 264-8787
10612 HILLIARD WAYNE 264-8714+5
11200*PRODUCERS COTN GIN 846-9204
*PRODUCERS COTTN GIL264-0521
11665*LEBEAU LEROY L DVM 846-9777 3
12570 TEIXEIRA TONY 846-8426
12909 ECHAIDE FRANCISCO 846-9704
ECHAIDE JEANNE 846-9704
IRIGARAY M 846-8427+5
13200 EMMERT JEFF 846-9553+5
THOMAS CARTHYL 264-7227
13421 TOSTE JOE M 846-9107
13650 WHITE BRUCE C 846-6135 4
13659 XXXX OO
13666 MATTHEWS ALYNE 846-8429
13767 CLOWERS EVELYN 846-7133
13820 THOMAS CARTHYL 846-8504+5
13870 SANDLING D M 846-8426 3
13940*SEARS W WELL DRLLNG846-7292+5
SEARS WARREN 846-7292
14068 XXXX OO
14071 XXXX OO
14254 XXXX OO
14318 EDWARDS ED 846-9829
*KERMAN AUTO BODY 846-8262+5
*TEDELLIS GULF SERV 846-8105
14350 KINSWORTHY B 846-8713
14356 NELSON LAURENCE 846-7218
14367 CULLUM EGNA 846-8042
HANEY RAY 846-8042
14391 MCDONALD GAYLEN 846-7047 4
14593...HORNES MANOR
DAVIDSON ELMER L 846-7864 3
GRIFFIN ELDON R 846-7150 4
*HORNES MANOR 846-6369+5
HORTON CONNIE 846-6377+5
MARTIN M A 846-7006 4
MORRIS JUNE 846-6377+5
RODRIQUEZ JOSE O 846-7832+5
ZEPADA ANCENCIO 846-7848+5
14593.....
14643*AUCTION HS WHTSBRDG846-9172
EATON MILORED 846-9172
*WHITESBRDG ACTN HSE846-9172
14651*AG CHEMICAL FMC 846-7396+5
14691*WESTSIDE ELCTRCL SH846-9641
14695*STANLEYS RDDLTV RPR846-8070+5
14705 MCCARTER LEE 846-8125+5
14727 XXXX OO
14733 XXXX OO
14775 MELTON JAMES 846-8089
*MELTON WELDING 846-8089
14801 BRANDON DELLA 846-7060 4
14803 AGUILAR SIMON 846-8894+5
ALLEN VIRGINIA 846-7569 4
GARCIA JOE 846-9791 4
14807 ORNDOFF JOE A JR 846-9130
14837 VILLINES CLINTON 846-7816+5
14852 ROBERTS HARLEY 846-9482
14879*KERMAN MOTORS 846-7426 4
14895*BUTCHS ENGNEHD REBL846-8576+5
14750*LAZARUS MACK RBLHMS233-1802
*LAZARUS MACK SLSESV846-9341
*LAZARUS MACK SLSESV233-1802
MACK LAZARUS 233-1802 4
14902*FRASER SUPPLY CO 846-7305
14925*FREHLING COCKTAILS 846-9902
*WHITESBRIDGE THE 846-9902
14980*BENS CHEVRON SERV 846-8300
14985 XXXX OO
15010*BEACON SERVICE STA 846-9569
15030*TOMS BURGER HUT 846-8355 4
15040*GATEWAY WELDINGERPR846-6356+5
15051*PLAZA DRUG CO 846-9396
*PLAZA DRUG CO 266-8796
15061*KERMAN BARBER SHOP 846-8803
LOVE CLYDE 846-8803 4
15065*JEANNES SALN BEAUTE846-7117
15071 XXXX OO
15075*HALE GARVIN W 846-7345+5
*KERMAN BAKERY 846-7696+5
*PLAZA SWEET SHOPPE 846-7696 4
15085*MAS CAFE 846-8487+5
15091*KERMAN U SVE LIQUOR846-9511 3
15267 PHILLIPS HOWARD O 846-9069
15281*BUENA VISTA HI SCHL846-7286 3
15495*KERMAN COVENANT CH 846-8000
SVEIVEN ROY REV 846-8000
15729 GONZALES LEONARDO 846-7780 4
16015 CLARK HESTER 846-9848
GENTRY J A 846-9796
16126 ALMENDAREZ ALFREDO 846-6226+5
EGURROLA GRACE 846-9656
GUTIERREZ MARY 846-8668
16142 LOWE JACKIE 846-7665 4
WHITE OLEN 846-7176 4
16146 OAXACA JOHN C 846-8707
16236 PRIM FRANK 846-8840+5
16238 PRIM CHARLES 846-9416 4
16240*CLEMENT APIARIES 846-9792 3
16242 WILLIS ILEE MRS 846-9101
16256 CLEMENT JERRY O 846-7471 4
16750 XXXX OO
16751 BOYD DON SR 846-7496 4
16788 LUNA DON 846-9985 4
16812 MONTOY ALEX 846-8743
17046 BOYD DON JR 846-7658+5
17134*BREA AGRCLTRL SV 846-9321+5
*BREA AGRICULTURL SV233-5586 4
17178 XXXX OO
17192 RODRIQUEZ SANTOS 846-8296 4
17200 GONSALEZ AUGUSTIN 846-6354+5

..WHITES BRIDGE RD W 93630 CONT..
17237 DOUGLAS LOUISA 846-8784
17250 HUNTINGTON W W 846-9756+5
17262 XXXX OO
17314 SANCHEZ N 846-7256+5
17354 CLAY CARRIE B 846-8660 4
CLAY JOHNNIE LOIS 846-7663 3
17402 NICHOLS ORVILLE 846-8235
17415 WHITE O E 846-8773
17424 XXXX OO
17468 BONNER HENRY 846-8787 4
17474*ESSERS MARKET 846-9096 3
*PROYECTO DEL CMPSND846-7183+5
17496...SHASTA MOBILE PARK
DELDACH ESTHER 846-7210+5
FLIPPO BENNY 846-6116 4
HEDLUND E A 846-7809 4
HENSLEY ELLIS B 846-6136 4
JACKSON NELLIE 846-7675 3
MARCUCCI ALLEN 846-8236
SCHOFT ELMER C 846-7963 4
*SHASTA MOBILE PARK 846-7963 4
17496.....
17507*ELCAMINO CAFE 846-9996
PALAZUELOS YANNA 846-9996
17627 ALLEN HOMER R 846-7453+5
*ALLIED REFRIGERATN 846-7453+5
PITTMAN WALTER 846-9658+5
17628 PEREZ ANTONIO 846-8020
17681 BROWN LEROY 846-7778 3
17746*SCOTT GIN CO 846-9340
*SCOTT H AECO INC 846-9347
17838 ECONOMY ROSE 846-6221+5
18267 MERCER WOODROW 846-8903
18287 HEIMS A J 846-8234
18310 BLAIR JAY RAY 846-9969+5
18519 TOSTE PAUL A 846-8503 3
18582 WOOD LUCILLE 846-9780
18735 ORTEGA LUPE 846-9024+5
18772 BURROWS LEON 846-7866 3
18841 CUPIT RACHEL 846-8009+5
19487 ARVANCE ROBERT WM 846-6241+5
19488 NORD LEE 846-7028 4
19521 STONE JESSE E 846-7854 3
19586 NORD GARY R 846-9147
NORD JOHN J 846-9182
19731 ZAMORA ROBERT 846-7469+5
19732 TOBAR ANDRES 846-8893 3
19740 GARZA JACINTO V JR 846-7558+5
19864 CASAS MARIA 846-7766
19894 POLANCO P 846-9126 3
20077 RIVERA FRANCISCO 846-7216
RIVERA JACINTO 846-7457 4
20173 CAVAZOS JOE 846-9153
20343 GUERRA DOMINGO 846-8709
RIOS JENNIE 846-9148
20405 BASCUE BOB 846-9133
PRATER MILO 846-9219
20961 GLOTZ WM E 846-9655
SMITH BETTY L 846-7914 3
* 46 BUS 122 RES 40 NEW

WHITES BRIDGE RD W 93640 MENDOTA

23476 ARGUELLO IGNACIO 655-3422+5
23986*ADOIS TOM GOLF PRO 655-4711
*WHITESBRDGE GOLF CL655-9872
24025 GOWENS ROY 655-4634+5
24096 MCGEE TOM 655-4712+5
24145 XXXX OO
24418 ALVES MATHEW 655-3314 3
25500*BAR 20 DAIRY FARMS 655-4018
*PRODUCERS DISTRIBTR655-3183 4
28655 PERCY MARJORIE 655-4730
28735 KRUSE K W 655-4686
29400*AMSTAR CORP SUGAR 655-4961
*SPRECKELS SUGAR DIV655-4961 3
29405 XXXX OO
29411 XXXX OO
29417 MOTTA JOHN 655-3482+5
29443 XXXX OO
29519 RUSSELL FLORETTA 655-3119 4
29531 YATES BOON 655-4659+5
29555 BRYANT RAY 655-4979
SMITH EDNA 655-4533+5
29655 BERMUDEZ JUAN 655-4747
29931*GGS WELDING 655-4614+5
29995 XXXX OO
30055 BARKER LEONARD JR 655-4574
BARKER MINNIE 655-4784+5
DUARTE SARA 655-3429+5
NO # ANDERSON LUDI 655-4296
NO # ANDERSON ROY 655-4296
NO # DUVALLE JEANELLE 655-4296
NO #*JACKS RESORT 655-3349+5
* 8 BUS 23 RES 10 NEW

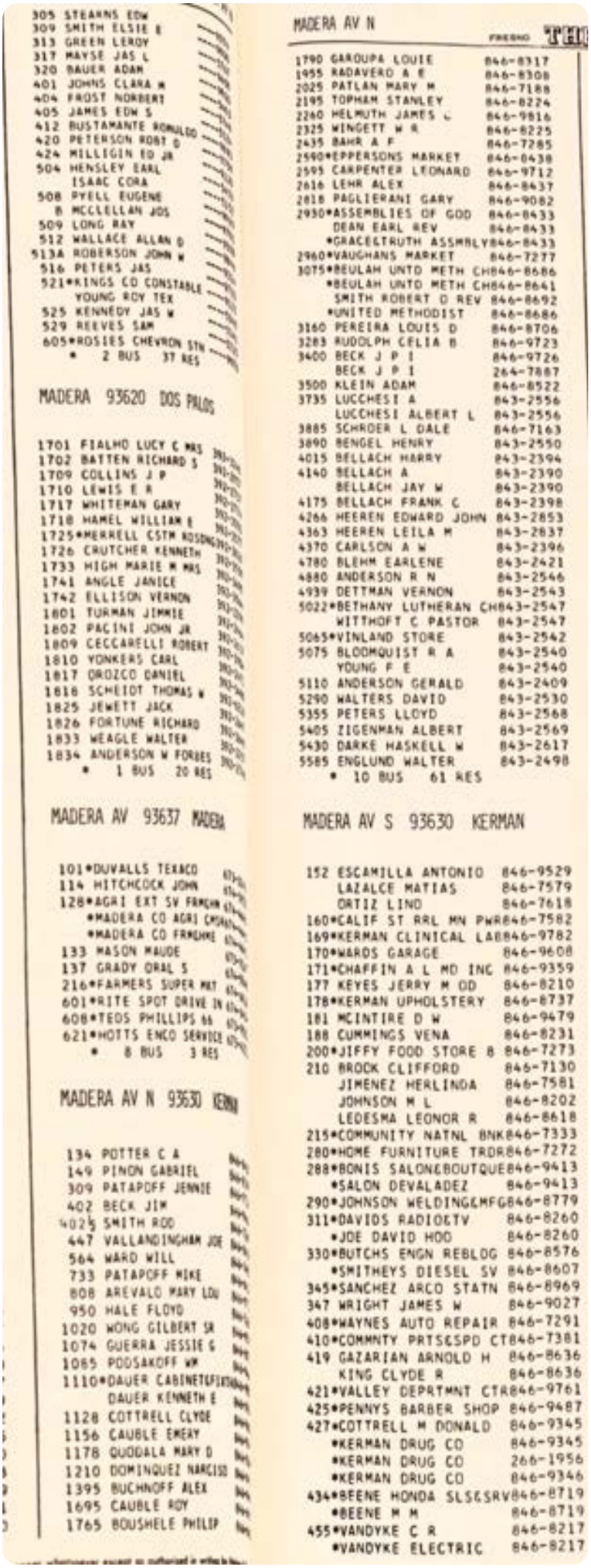
WHITLEY 93212 CORCORAN

196 WILKINS A B 992-4543
556*FRANKS EXXON SV STA992-3214 4
557*CORCRAN RFG AR CNDG 992-3497 4
*LINDLEY E A 992-3497 4
*NAVE BROS CRANE 992-3492+5
574 XXXX OO
604 XXXX OO
608*LAPERLA CAFE 992-9005+5
611*CORCORAN STM LNDRY 992-4252
612*EL PROGRESSO CAFE 992-2444 3
RECENDEZ FRANK 992-2444 4
629*SMITH FAMILY CAFE 992-9065+5
645*EAST SIDE MINI MART992-2221+5
*MENDES M V 992-2221
700*BOSWELL W W JR 992-4530
*PETROLANE GAS SERV 992-3303
800*RIO GRANDE MARKET 992-2818
801*JOHNSON OMER SLSESV992-2837+5
813*CAL ST EMPLOYMNT SV992-3138+5
815 WELSH CRAIG 992-4156
817*BALTIERRA HOTEL 992-4640+5
*CORCORAN HOTEL 992-4640

* this page may not be key punched, entered into a computer or photocopied, in any manner whatsoever

1972 N MADERA AVE

SOURCE: HAINES



305 STEARNS EDW
309 SMITH ELSIE E
313 GREEN LEROY
317 MAYSE JAS L
320 BAUER ADAM
401 JOHNS CLARA M
404 FROST NORBERT
405 JAMES EDW S
412 BUSTAMANTE ROMULDO
420 PETERSON ROBT D
424 MILLIGIN ED JR
504 HENSLEY EARL
ISAAC CORA
508 PYELL EUGENE
B MCCLELLAN JOS
509 LONG RAY
512 WALLACE ALLAN D
513A ROBERSON JOHN W
516 PETERS JAS
521*KINGS CO CONSTABLE
YOUNG ROY TEX
525 KENNEDY JAS W
529 REEVES SAM
605*ROSIES CHEVRON STN
* 2 BUS 37 RES

MADERA 93620 DOS PALOS

1701 FIALHO LUCY C MRS
1702 BATTEN RICHARD S
1709 COLLINS J P
1710 LEWIS E R
1717 WHITEMAN GARY
1718 HAMEL WILLIAM E
1725*MERRELL CSTM ROSDNG
1726 CRUTCHER KENNETH
1733 HIGH MARIE M MRS
1741 ANGLE JANICE
1742 ELLISON VERNON
1801 TURMAN JIMMIE
1802 PACINI JOHN JR
1809 CECCARELLI ROBERT
1810 YONKERS CARL
1817 OROZCO DANIEL
1818 SCHEIDT THOMAS W
1825 JEWETT JACK
1826 FORTUNE RICHARD
1833 WEAGLE WALTER
1834 ANDERSON W FORBES
* 1 BUS 20 RES

MADERA AV 93637 MADERA

101*DUVALLS TEXACO
114 HITCHCOCK JOHN
128*AGRI EXT SV FRNCHN
*MADERA CO AGRI CMSNR
*MADERA CO FRNCHNE
133 MASON MAUDE
137 GRADY ORAL S
216*FARMERS SUPER MKT
601*RITE SPOT DRIVE IN
608*TEDS PHILLIPS 66
621*HOTTS ENCO SERVICE
* 8 BUS 3 RES

MADERA AV N 93630 KERMAN

134 POTTER C A
149 PINON GABRIEL
309 PATAPOFF JENNIE
402 BECK JIM
402½ SMITH ROD
447 VALLANDINGHAM JOE
564 WARD WILL
733 PATAPOFF MIKE
808 AREVALO MARY LOU
950 HALE FLOYD
1020 WONG GILBERT SR
1074 GUERRA JESSIE G
1085 PODSAKOFF WM
1110*DAUER CABINETSFIXTR
DAUER KENNETH E
1128 COTTRELL CLYDE
1156 CAUBLE EMERY
1178 QUODALA MARY D
1210 DOMINQUEZ NARCISO
1395 BUCHNOFF ALEX
1695 CAUBLE ROY
1765 BOUSHELE PHILIP

MADERA AV N

FRESNO THE

1790 GAROUPA LOUIE 846-8317
1955 RADAVERO A E 846-8308
2025 PATLAN MARY M 846-7188
2195 TOPHAM STANLEY 846-8224
2260 HELMUTH JAMES L 846-9816
2325 WINGETT W R 846-8225
2435 BAHR A F 846-7285
2560*EPPERSONS MARKET 846-0438
2595 CARPENTER LEONARD 846-9712
2616 LEHR ALEX 846-8437
2818 PAGLIERANI GARY 846-9082
2930*ASSEMBLIES OF GOD 846-8433
DEAN EARL REV 846-8433
*GRACE&TRUTH ASSMBLY846-8433
2960*VAUGHANS MARKET 846-7277
3075*BEULAH UNTD METH CH846-8686
*BEULAH UNTD METH CH846-8641
SMITH ROBERT D REV 846-8692
*UNITED METHODIST 846-8686
3160 PEREIRA LOUIS D 846-8706
3283 RUDOLPH CELIA B 846-9723
3400 BECK J P I 846-9726
BECK J P I 264-7887
3500 KLEIN ADAM 846-8522
3735 LUCCHESI A 843-2556
LUCCHESI ALBERT L 843-2556
3885 SCHROER L DALE 846-7163
3890 BENGEL HENRY 843-2550
4015 BELLACH HARRY 843-2394
4140 BELLACH A 843-2390
BELLACH JAY W 843-2390
4175 BELLACH FRANK C 843-2398
4266 HEEREN EDWARD JOHN 843-2853
4363 HEEREN LEILA M 843-2837
4370 CARLSON A W 843-2396
4780 BLEHM EARLENE 843-2421
4880 ANDERSON R N 843-2546
4939 DETTMAN VERNON 843-2543
5022*BETHANY LUTHERAN CH843-2547
WITTHOFT C PASTOR 843-2547
5065*VINLAND STORE 843-2542
5075 BLOOMQUIST R A 843-2540
YOUNG F E 843-2540
5110 ANDERSON GERALD 843-2409
5290 WALTERS DAVID 843-2530
5355 PETERS LLOYD 843-2568
5405 ZIGENMAN ALBERT 843-2569
5430 DARKE HASKELL W 843-2617
5585 ENGLUND WALTER 843-2498
* 10 BUS 61 RES

MADERA AV S 93630 KERMAN

152 ESCAMILLA ANTONIO 846-9529
LAZALCE MATIAS 846-7579
ORTIZ LIND 846-7618
160*CALIF ST RRL MN PWR846-7582
169*KERMAN CLINICAL LAB846-9782
170*WARDS GARAGE 846-9608
171*CHAFFIN A L MD INC 846-9359
177 KEYES JERRY M OD 846-8210
178*KERMAN UPHOLSTERY 846-8737
181 MCINTIRE D W 846-9479
188 CUMMINGS VENA 846-8231
200*JIFFY FOOD STORE B 846-7273
210 BROCK CLIFFORD 846-7130
JIMENEZ HERLINDA 846-7581
JOHNSON M L 846-8202
LEDESMA LEONOR R 846-8618
215*COMMUNITY NATNL BNK846-7333
280*HOME FURNITURE TRDR846-7272
288*BONIS SALON&BOUTQUE846-9413
*SALON DEVALADEZ 846-9413
290*JOHNSON WELDING&MFG846-8779
311*DAVIDS RADIO&TV 846-8260
*JOE DAVID HOD 846-8260
330*BUTCHS ENGN REBLDG 846-8576
*SMITHEYS DIESEL SV 846-8607
345*SANCHEZ ARCO STATN 846-8969
347 WRIGHT JAMES W 846-9027
408*WAYNES AUTO REPAIR 846-7291
410*COMMNTY PRTS&SPD CT846-7381
419 GAZARIAN ARNOLD H 846-8636
KING CLYDE R 846-8636
421*VALLEY DEPRTMNT CTR846-9761
425*PENNYS BARBER SHOP 846-9487
427*COTTRELL M DONALD 846-9345
*KERMAN DRUG CO 846-9345
*KERMAN DRUG CO 266-1956
*KERMAN DRUG CO 846-9346
434*BEENE HONDA SLS&SRV846-8719
*BEENE M M 846-8719
455*VANDYKE C R 846-8217
*VANDYKE ELECTRIC 846-8217

1972 N VINELAND AVE

SOURCE: HAINES

VINELAND AV N 93630

43 YATES A J JR
88 BRAGG JOHN E
BRAGG MARGARET
100 MECHELKE FRED A
120 KANGISER GLENN
248 VONFLUE RALPH
651 LARREA RONALD A
LAREA RONALD A
697 COOPER H S
2086 WEATHERSON JERRY T
2250 WEATHERSON H J

1972 W WHITESBRIDGE AVE

SOURCE: HAINES

WHITES BRIDGE RD W — FRESNO — THE HAINES DIRECTORY

*SPARKS TROY E 233-2174
3456 BALASANIAN N MRS 266-4996
3555 DEGEROLMO ANGELO 268-1673
3623 MORTENSEN M L 233-0179
3639 BOLES CHAS 268-2961
3655 MORTENSEN NIELS P 268-0592
3740 DEAILE MELVIN JR 268-5824
3741 DEAILE MELVIN 237-7611
DEAILE ROBERTA 237-2767
4030 *MARYS PLACE 233-9816
4032 *MADISON GROCERY 233-9896
PITTMAN KAYE 486-6405
4032 *MADISON BUTANE SV 264-1730
*MADISON HARDWARE 264-1730
*OSTERGAARD CARL 264-1730
4054 OSTERGAARD ANNA 233-2983
*OSTERGAARD FEEDS 233-4963
OSTERGAARD JANET 233-2983
*OSTERGAARD LAWRENCE 233-4963
4130 RENO CLINTON 266-2132
4310 LUCAS J D 266-9264
4323 MALKASIAN CHAS 266-6914
4440 THOMAS J D 237-4980
4520 TOROSIAN MINAS 264-7220
4580 ANDERSON GEO 266-1490
*ECONOMY RUG&UPHLSTY 266-1490
4600 KARABIAN BERGE 264-8339
4717 PEDRALI BASILIO 266-2236
4770 TYLER RAPHAEL G 266-2437
5200 GOTO ITSUMI G 264-9484
6681 *KOLIGIAN DRY YARD 266-7672
KOLIGIAN S M 264-7814
TORIK JOHN 264-7814
7470 PEELMAN KENNETH 266-1865
7511 BERTAO JOHN 266-4938
7513 ARGENTIERI SAM 264-7059
8370 ALBERTINI RAY 264-8302
8512 *KOVACEVICH V RANCH 268-6754
8580 KOVACEVICH VINCENT 268-1421
8735 JESSEN ART 264-7290
9060 PAYNE ROBERT L 264-7454
9117 CONSOLASCIO JOE 266-7184
9142 MARTIN ROBT O 264-8669
9169 GOMEZ CARLOS 264-7186
9191 *BRINGETTO VICTOR 264-7686
*ROLINDA AUTO PARTS 264-7686
9218 SANTA FOSTER 233-4396
LEE WALTER E SR 268-2693
9262 *ROLINDA CAFE 233-9933
9280 *KING R M CO 266-6934
*WARDELL FRED J 266-4934
9282 ABRAHAMIAN G 266-7291
9302 BOONE HENRY C 264-7283
9316 BLANK LOUIE C 264-7556
9338 *BARNEY H PUMP&HDWR 268-4751
*HUNTINGTON B HRDWRE 268-4751
9358 *PRICES ROLINDA MEAT 264-7456
*ROLINDA MEAT CO 264-7456
9360 WESTRING H M 264-7015
9420 GERBITZ M W 264-7673
9500 *KEZIRIAN HERBERT 266-3671
KEZIRIAN ROBT 264-7862
*ROLINDA FARMERS STR 266-3671
9505 KOLL JOS H 264-8497
9559 CLUB ROLINDA 237-2223
9568 BARLOW A C 266-1440
9603 KOVACEVICH PEARL 264-8533
9623 *ROLINDA EQPMT INC 266-6986
9655 MOTT GARY 268-3600
MOTT JOHN L 268-3600
MOTT KAREN 268-3600
9658 ABRAHAMIAN RICHARD 268-2871
9724 WULF JACK A 264-8766
9818 REINHARDT DONALD 268-2888
9867 ANDRESEN W 268-2320
9874 ARRIGONI FRANK 264-8452
* 49 BUS 104 RES

WHITES BRIDGE RD W 93630 KERMAN

9338 *BARNEY H PUMP&HDWR 846-9224
*HUNTINGTON B PUMP 846-9224
9874 ARRIGONI ALBERT 846-9446
ARRIGONI FRANK 846-9446
10080 *ANDRESEN MFG CO 237-8591
ANDRESEN DONALD D 264-8893
10610 ANDRESEN J C 264-8787
11200 *PRODUCERS COTTN OIL 264-0521
*PRODUCERS COTN GIN 846-9204
11665 *LEBEUF LEROY L 846-9777
12570 TEIXEIRA TONY 846-8428
12909 ECHAIDE FRANCISCO 846-9704
ECHAIDE JEANNE 846-9704
IRIGARAY MARIE MRS 846-8427
13200 THOMAS CARTHYL 264-7227
*THOMAS CARTHYL RNCH 846-8504
13421 TOSTE JOE M 846-9107
13659 RHINEHART WANDA 846-9918
13666 MATTHEWS ALYNE 846-8429
13767 CLOWERS EVELYN 846-7133
13940 *KEMP WELL DRILLING 846-7292
SEARS WARREN 846-7292
14068 SANFORD ANNE 846-9940
SANFORD RAY 846-9940
14071 SMITH ARTHUR N 846-8537
14254 SOLIS JOHN 846-9527
14268 JUAREZ JESSIE 846-9175
14306 *KERMAN MOTORS 846-7426
14318 EDWARDS ED 846-9829
*TEOGLILS GULF SERV 846-8105
14350 KINSWORTHY B 846-8719
14356 NELSON LAURENCE 846-7218
14367 CULLUM EDNA 846-8042
HANEY RAY 846-8042
14391 MARBUT WILLIAM 846-7248
14393 MONTGOMERY JAMES P 846-9841
PALMA JESUSA 846-7233
WILLIAMSON IRA G 846-7243
14443 *AUCTION HS WHTSBRDG 846-9172
EATON MILDRED 846-9172
*WHITESBRDG ACTN HSE 846-9172
14451 *NIAGARA CHEMICAL DV 846-7394
14491 *WESTSIDE ELCTRCL SH 846-9641
14505 FLORES ROSALIE 846-7540
GOMEZ GUADALUPE 846-9158
14527 SMITH RICHARD 846-7554
14533 RODRIGUEZ ANTONIO 846-7794
14575 MELTON JAMES 846-8089
*MELTON WELDING 846-8089
14603 SEBASTIAN TOM 846-7629
14607 ORNDOFF JOE A 2D 846-9130
14652 ROBERTS HARLEY 846-9482
14750 LAZARUS MACK 233-1802
*LAZARUS MACK MBLHMS 233-1802
*LAZARUS MACK SLSESV 233-1802
*LAZARUS MACK SLSESV 846-9341
14902 *FRASER SUPPLY CO 846-7305
14925 *FREHLING COCKTAILS 846-9902
*WHITESBRIDGE THE 846-9902
14980 *BENS CHEVRON SERV 846-8300
14985 *AUSTIN J C SHELL 846-7646
*J C AUSTIN SHELL 846-7646
15010 *BEACON SERVICE STA 846-9569
15030 *ROYS JOLLY KONE 846-8355
15051 *PLAZA DRUG CO 266-8796
*PLAZA DRUG CO 846-9396
15061 *KERMAN BARBER SHOP 846-8803
LOVE CLYDE 846-8803
15065 *JEANNES SALN BEAUTE 846-7117
15071 *A A A CALIF ATO ASC 846-8287
*BEL PHILLIPS 66 SRV 846-8287
*E Z HAUL 846-8287
15085 *MAS CAFE 846-9903
15091 *WAYNE LORESPRTG GDS 846-9511
15267 PHILLIPS HOWARD D 846-9069
15495 *KERMAN COVENANT CH 846-8000
SVEIVEN ROY REV 846-8000
15729 MONREAL REBECCA MRS 846-7780
16015 CLARK HESTER 846-9848
GENTRY J A 846-9796
16126 EGURROLA GRACE 846-9656
GUTIERREZ MARY 846-8668
16146 OAXACA JOHN C 846-8707
16240 CLEMENT JOSEPH C 846-9792
16242 WILLIS ILEE MRS 846-9101
16750 BIEDIGER HAROLD JR 846-7564
16812 MONTOY ALEX 846-8743
17046 LOVE JACK D 846-9081
17134 *BREA AGRICULTURL SV 846-9321
17178 LOGWOOD BLANCHE 846-8471
17192 GARCIA ANNIE 846-8163
RODRIQUEZ JAMES 846-8296
17237 DOUGLAS LOUISA 846-8784
17262 HUNTINGTON W W 846-9756
17314 *SANCHEZ TIRE SHOP 846-7270
17354 CLAY ALBERT 846-8660
17402 NICHOLS ORVILLE 846-8235
17415 MIRANDA JESUS 846-8476
WHITE O E 846-8773
17424 KEMP SAM 846-7484
17474 *TOSTES CASHECARRY 846-9096
17496 BENNETT CHESTER SR 846-8223
BUCE LEONARD 846-7529
GARRETT LLOYD 846-8175
MARCUCCI ALLEN 846-8236
17507 *ELCAMINO CAFE 846-9996
PALAZUELOS YANNA 846-9996
17627 BOYD DORIS 846-7448
BOYD S T 846-7448
17628 PEREZ ANTONIO 846-8020

1965 N MADERA AVE

SOURCE: PACIFIC TELEPHONE

STREET NOT LISTED

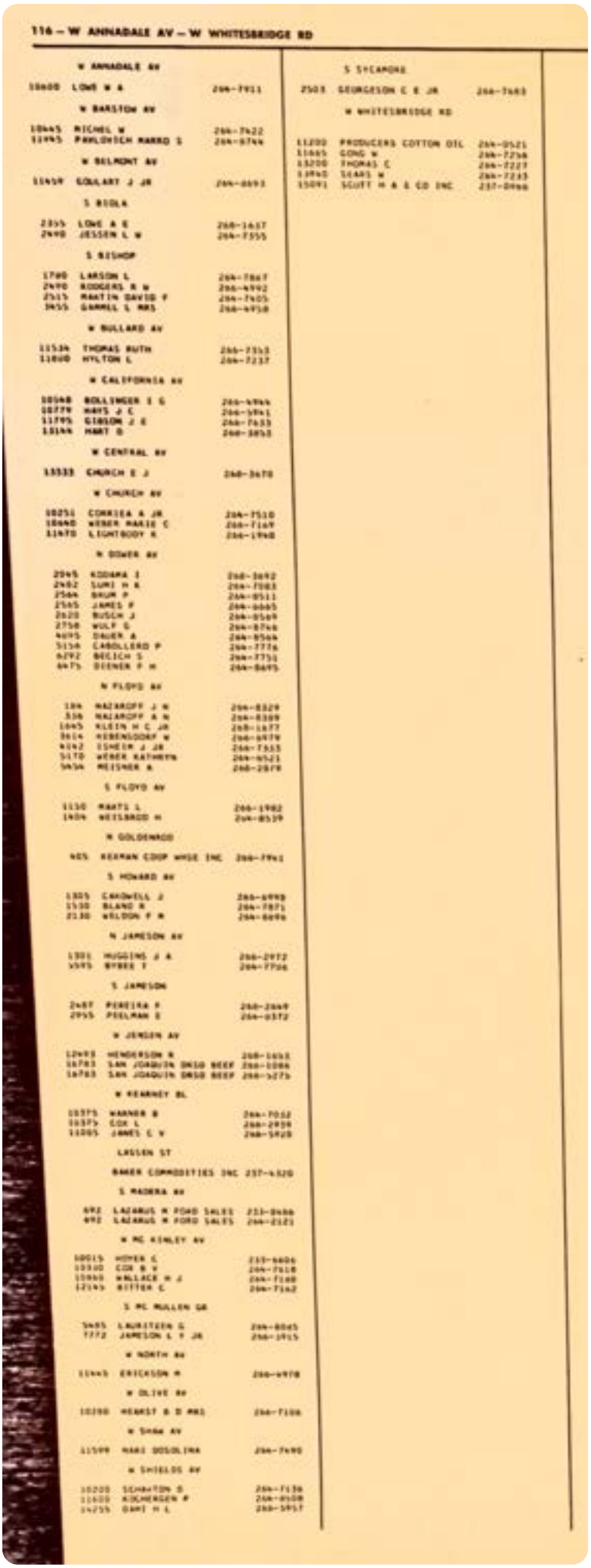
1965 N VINELAND AVE

SOURCE: PACIFIC TELEPHONE

STREET NOT LISTED

1965 W WHITESBRIDGE AVE

SOURCE: PACIFIC TELEPHONE



116 — W ANNADALE AV — W WHITESBRIDGE RD

W ANNADALE AV

10600 LOWE W A 264-7911

W BARSTOW AV

10645 MICHEL W 266-7622
11995 PAVLOVICH MARKO S 264-6744

W BELMONT AV

11459 GOULART J JR 264-6693

S BIOLA

2355 LOWE A E 268-1457
2490 JESSEN L W 264-7355

S BISHOP

1700 LARSON L 264-7867
2490 RODGERS R W 266-4992
2515 MARTIN DAVID F 264-7405
3455 GARMEL L MRS 268-4958

W BULLARD AV

11534 THOMAS RUTH 266-7353
11800 HYLTON L 266-7237

W CALIFORNIA AV

10548 BOLLINGER I G 264-4944
10779 HAYS J C 264-5941
11795 GIBSON J E 264-7655
11144 HART O 268-3853

W CENTRAL AV

11333 CHURCH E J 268-3670

W CHURCH AV

10254 CORREIA A JR 264-7510
10640 WEBER MARIE C 268-7169
11470 LIGHTBODY R 264-1948

N DIXIE AV

2045 KODAMA I 268-3692
2482 SUMI H K 264-7083
2504 BAUM P 264-8511
2565 JAMES P 264-6665
2620 BUSCH J 264-9569
2750 WULF G 264-8744
4695 DAUER A 264-9564
5134 CABALLERO P 264-7776
6292 BEICH S 264-7751
6475 DIENER P H 264-8695

N FLOYD AV

184 NAZAROFF J N 264-8329
336 NAZAROFF A N 264-8389
1045 KLEIN H C JR 268-1877
3614 HEBENSDORF W 264-6879
4242 ISHEIM J JR 264-7555
5170 WEBER KATHRYN 264-9521
5454 MEISNER A 268-2879

S FLOYD AV

1150 MARTI L 266-1982
1404 WEISBROD H 264-8539

N GOLDENROD

405 KERMAN COOP WHSE INC 266-7961

S HOWARD AV

1305 CALDWELL J 266-6998
1530 BLAND R 264-7871
2130 WELDON F M 264-6696

N JAMESON AV

1301 MUGGINS J A 266-2972
1595 BYBEE T 264-7706

S JAMESON

2487 PEREIRA P 268-2669
2955 PEELMAN E 264-0372

W JENSEN AV

12493 HENDERSON R 268-1651
16783 SAN JOAQUIN DRSD BEEF 268-1086
16783 SAN JOAQUIN DRSD BEEF 268-5276

W KEARNEY BL

10575 WARNER B 264-7052
10575 COX L 268-2959
11065 JAMES C V 268-5428

LASSEN ST

BAKER COMMODITIES INC 237-4320

S MADERA AV

692 LAZARUS M FORD SALES 233-8686
692 LAZARUS M FORD SALES 264-2121

W MC KINLEY AV

10015 HOYER E 233-6606
10330 COX B V 264-7618
10969 WALLACE M J 264-7168
12145 RITTER E 264-7162

S MC MULLEN GR

5695 LAURITZEN G 264-8045
7772 JAMESON L F JR 268-1915

W NORTH AV

11445 ERICKSON M 266-6978

W OLIVE AV

10280 HEARST D D MRS 264-7100

W SHAW AV

11599 MARI DOSOLINA 264-7690

W SHIELDS AV

10200 SCHARTON D 264-7136
11600 KOKMERGEN P 264-8108
14255 DANI M L 268-5957

S SYCAMORE

2503 GEORGESON C E JR 266-7683

W WHITESBRIDGE RD

11200 PRODUCERS COTTON OIL 264-0521
11665 GONG W 264-7256
11700 THOMAS C 264-7227
11945 SEARS W 264-7243
15091 SCOTT M & E CO INC 237-0466

1960 N MADERA AVE

SOURCE: PACIFIC TELEPHONE

STREET NOT LISTED

1960 N VINELAND AVE

SOURCE: PACIFIC TELEPHONE

STREET NOT LISTED

1960 W WHITESBRIDGE AVE

SOURCE: PACIFIC TELEPHONE

STREET NOT LISTED

TOPOGRAPHIC MAPS

Project Property:	24K13-79794-762 ESA
	134 N Madera Ave
	Kerman CA 93630
Project No:	None
Requested By:	CREtelligent
Order No:	24112200909
Date Completed:	November 24, 2024

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
1922	7.5
1947	7.5
1963	15
1981	7.5
2015	7.5
2018	7.5
2021	7.5

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

Page 223 of 1918 Topographic Instructions

Page 130 of 1928 Topographic Instructions

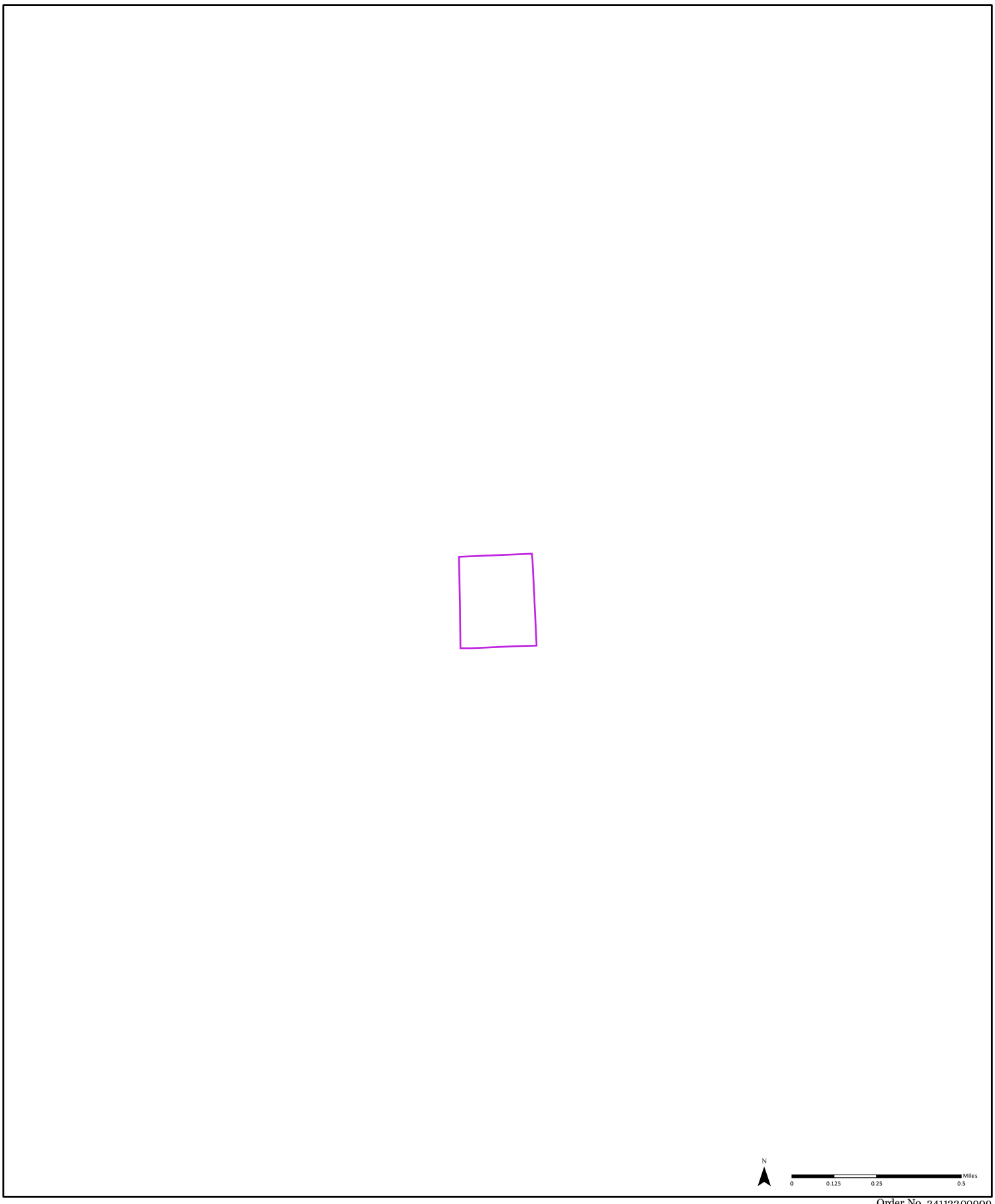
1947-2009

Topographic Map Symbols

2009-present

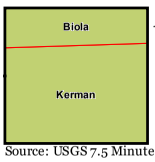
US Topo Map Symbols

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.



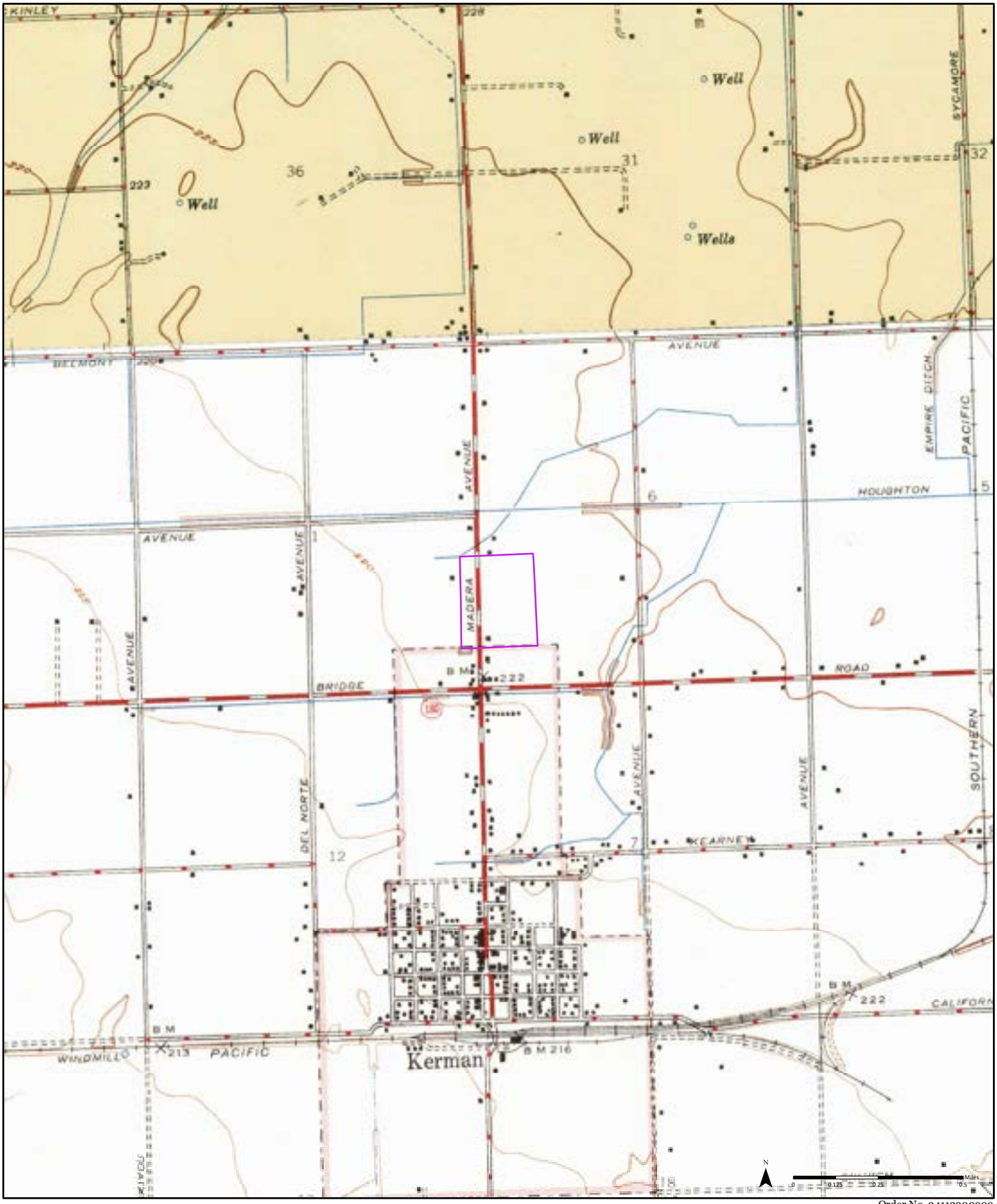
Order No. 24112200909

1922



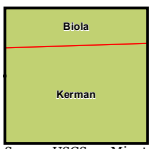
Available Quadrangle(s): Kerman, CA

Source: USGS 7.5 Minute Topographic Map



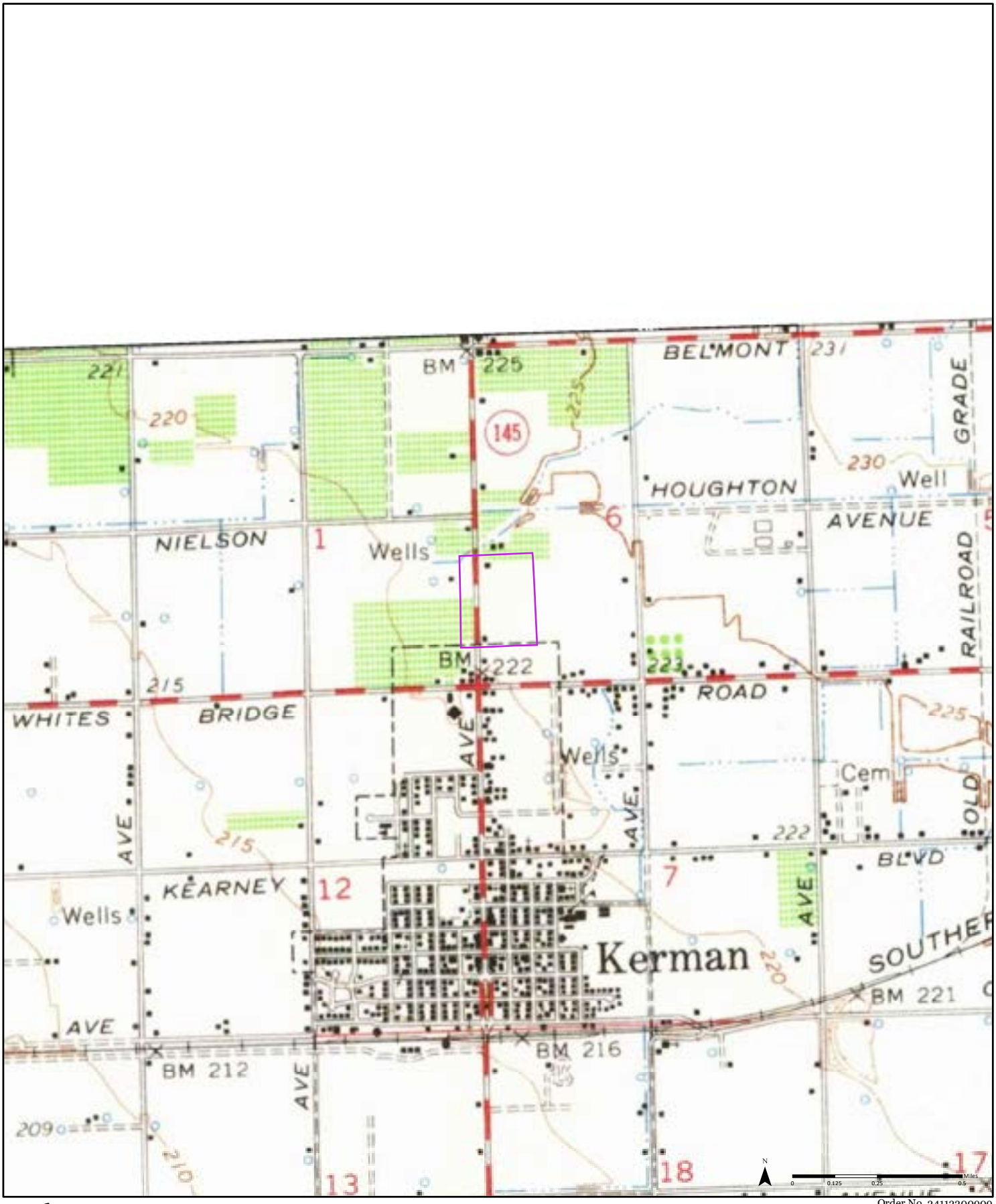
Order No. 24112200909

1947



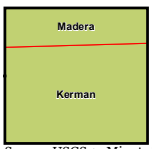
Available Quadrangle(s): Kerman, CA
Biola, CA

Source: USGS 7.5 Minute Topographic Map



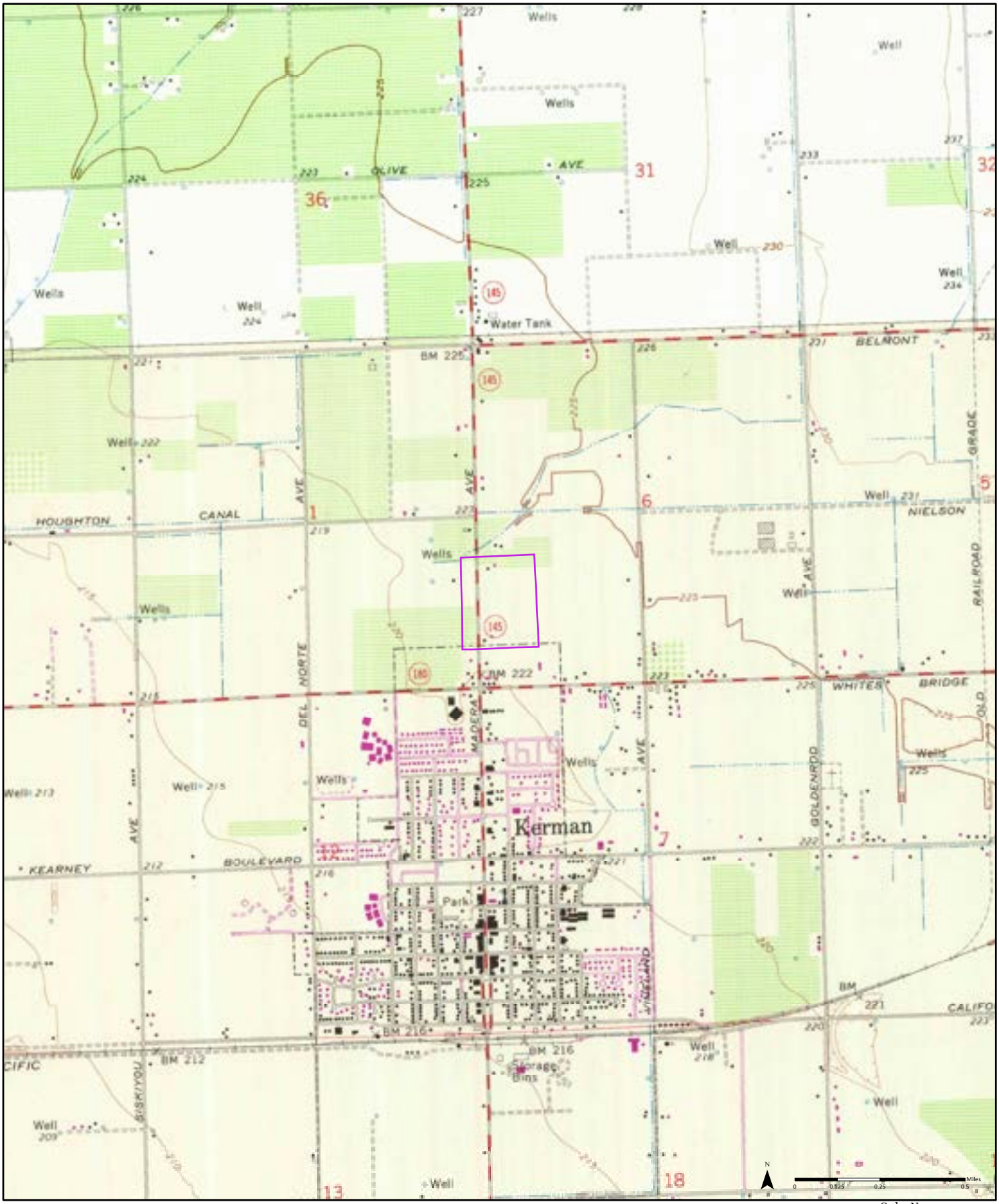
Order No. 24112200909

1963



Available Quadrangle(s): Kerman, CA

Source: USGS 15 Minute Topographic Map

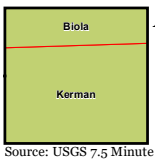


1981

(1-1981)
Aerial Photo Year: 1978
Photo Revision Year: 1981

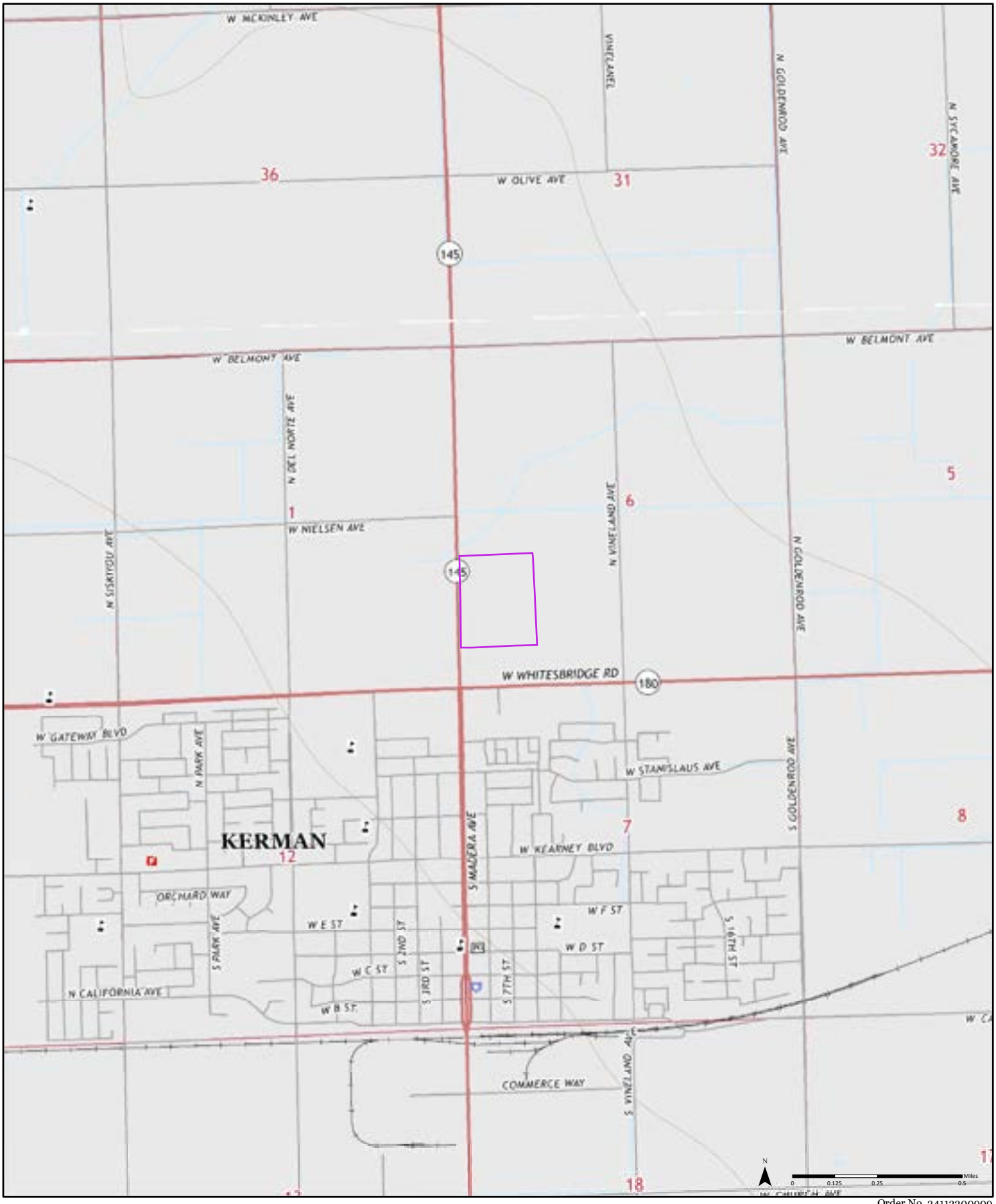
(2-1963)
Aerial Photo Year: 1962

Order No. 24112200909



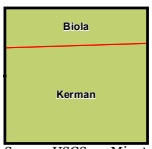
Available Quadrangle(s): Kerman, CA(1-1981)
Biola, CA(2-1963)

Source: USGS 7.5 Minute Topographic Map



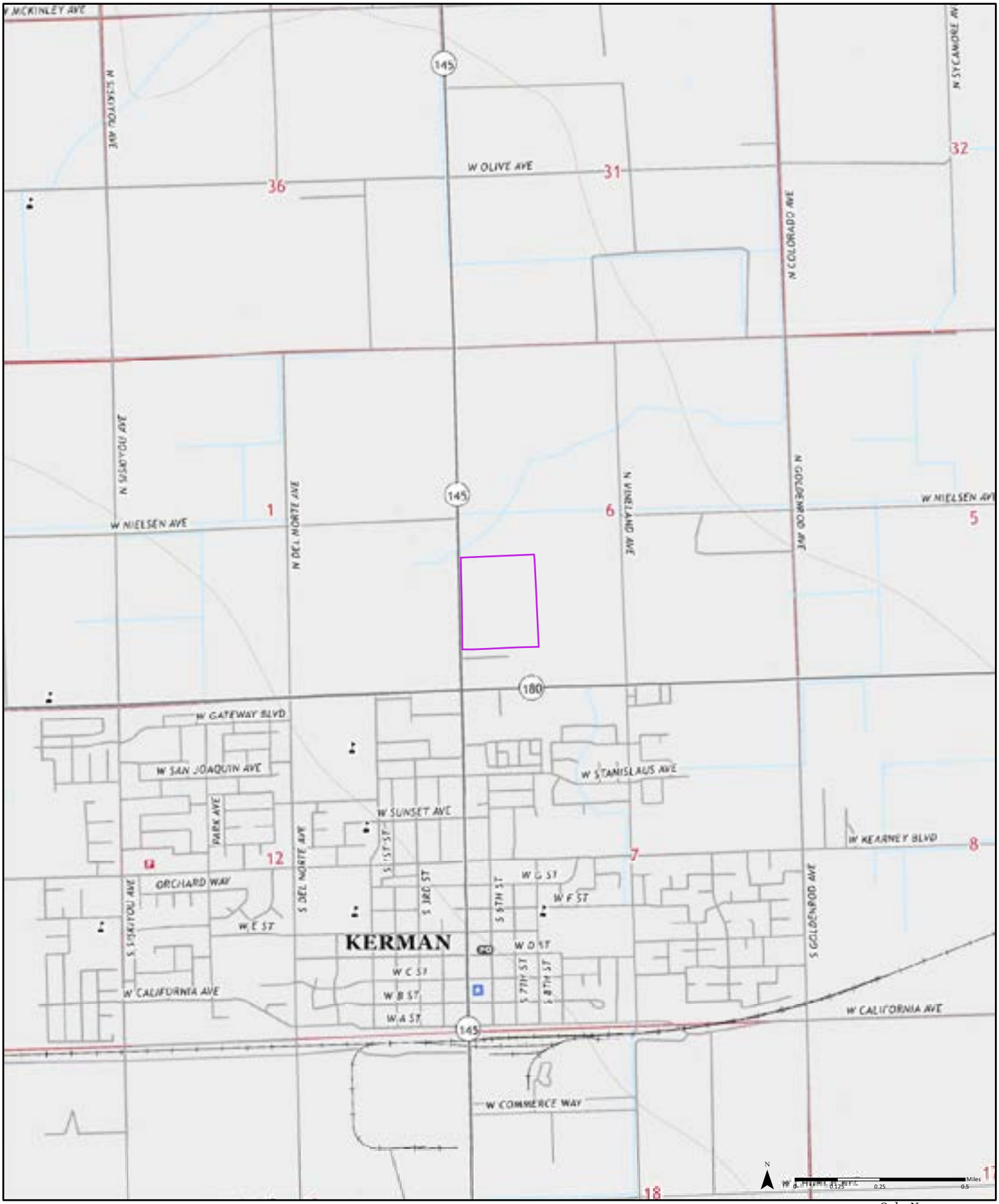
Order No. 24112200909

2015



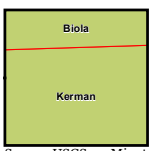
Available Quadrangle(s): Kerman, CA
Biola, CA

Source: USGS 7.5 Minute Topographic Map



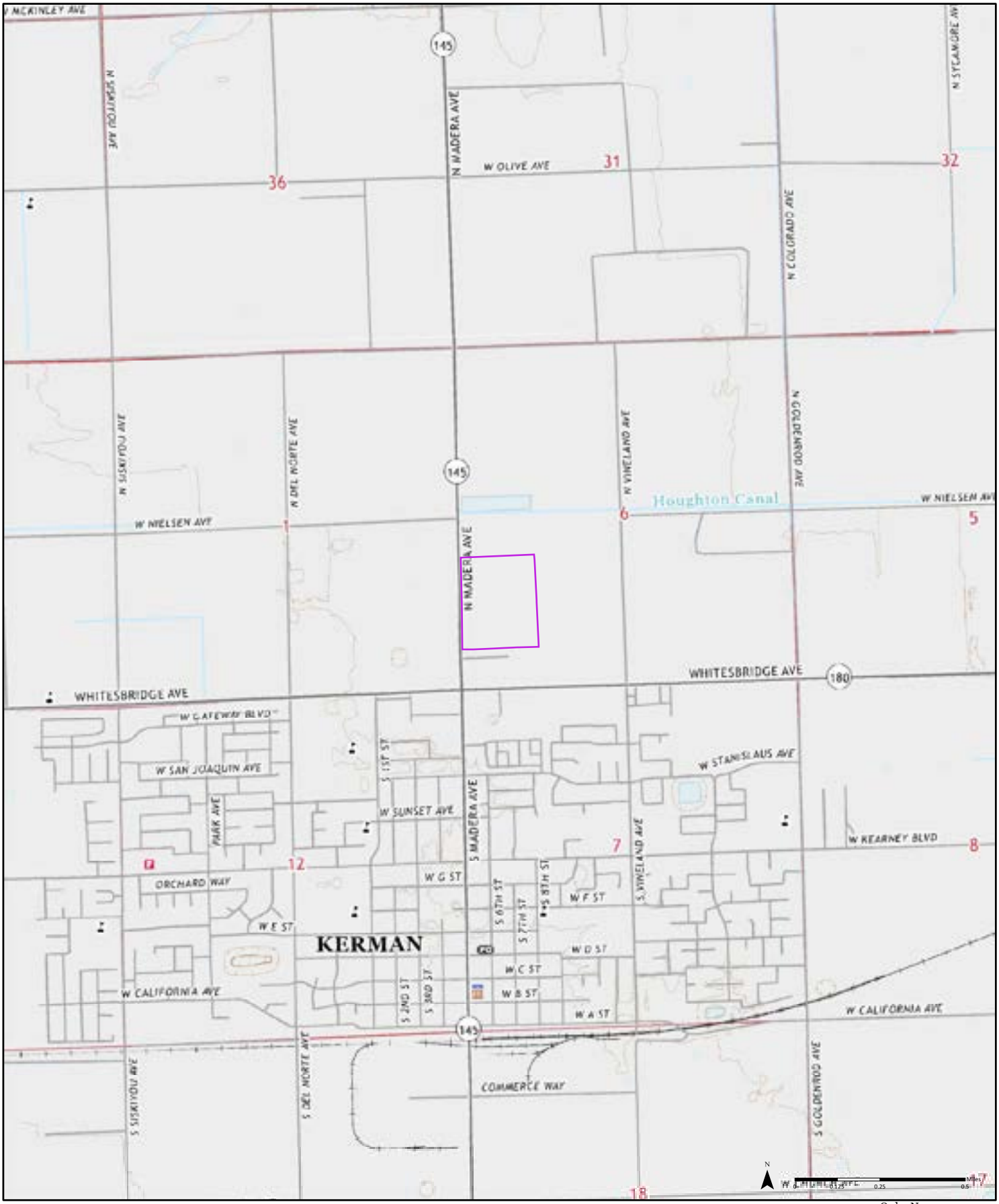
Order No. 24112200909

2018



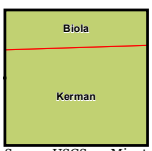
Available Quadrangle(s): Kerman, CA
Biola, CA

Source: USGS 7.5 Minute Topographic Map



Order No. 24112200909

2021



Available Quadrangle(s): Kerman, CA
Biola, CA

Source: USGS 7.5 Minute Topographic Map

Additional Information

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PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:	24112200909p
Date Completed:	November 24, 2024
Project Number:	
Project Property:	24K13-79794-762 ESA 134 N Madera Ave Kerman CA 93630
Coordinates:	
Latitude:	36.73860551
Longitude:	-120.05800306
UTM Northing:	4069911.94085 Meters
UTM Easting:	762693.76537 Meters
UTM Zone:	UTM Zone 10S
Elevation:	224.76 ft
Slope Direction:	SSW

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Hydrologic Information....4
Geologic Information....7
Soil Information....9
Wells and Additional Sources....15
  Summary....16
  Detail Report....17
Radon Information....19
Appendix....20
Liability Notice....22

The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2021)

Miles
0 0.2 0.4 0.8

N

Quadrangle(s): Kerman, CA; Biola, CA

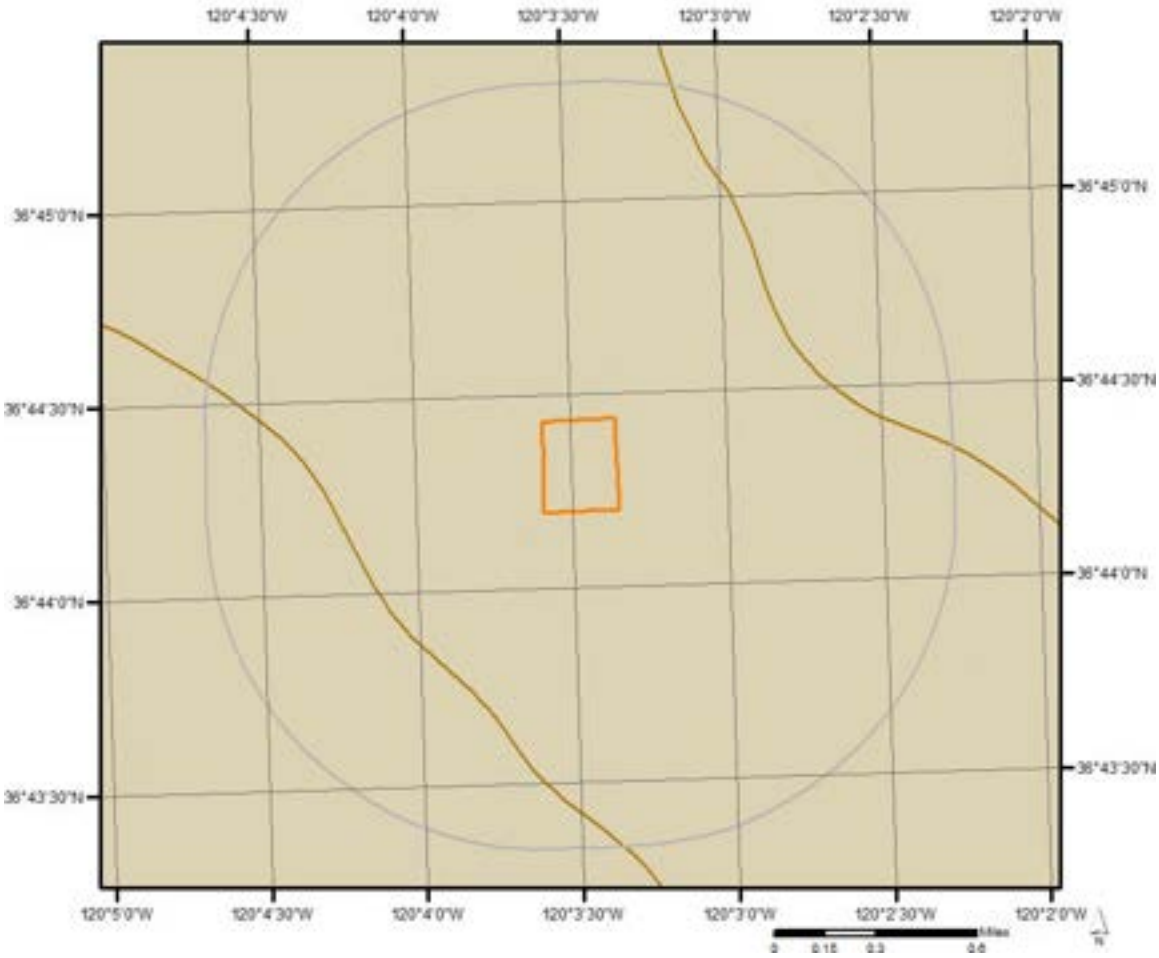
Source: USGS 7.5 Minute Topographic Map

Topographic Information

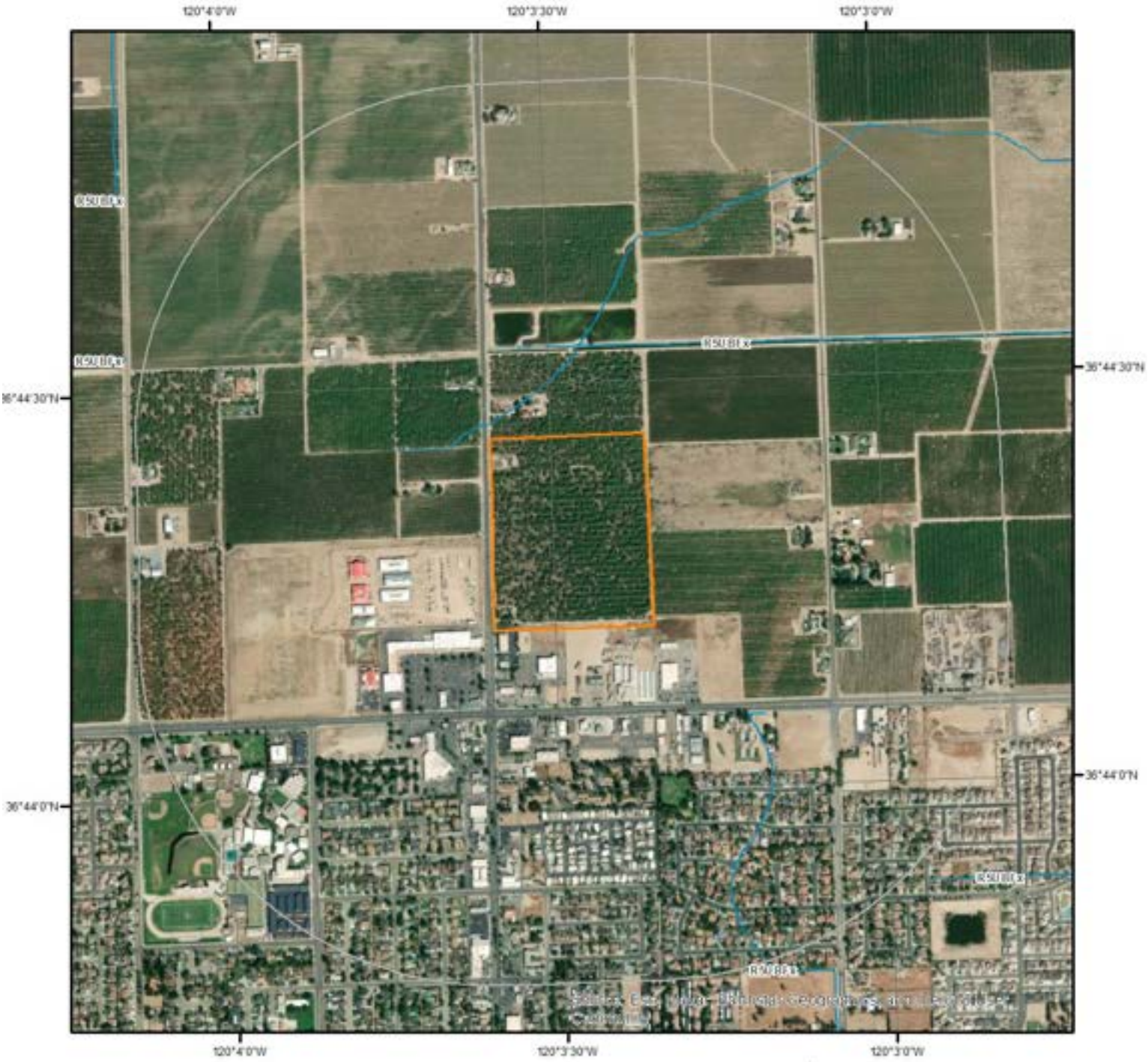
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	224.76 ft
Slope Direction:	SSW



Hydrologic Information



Wetland

Miles
0 0.075 0.15 0.3

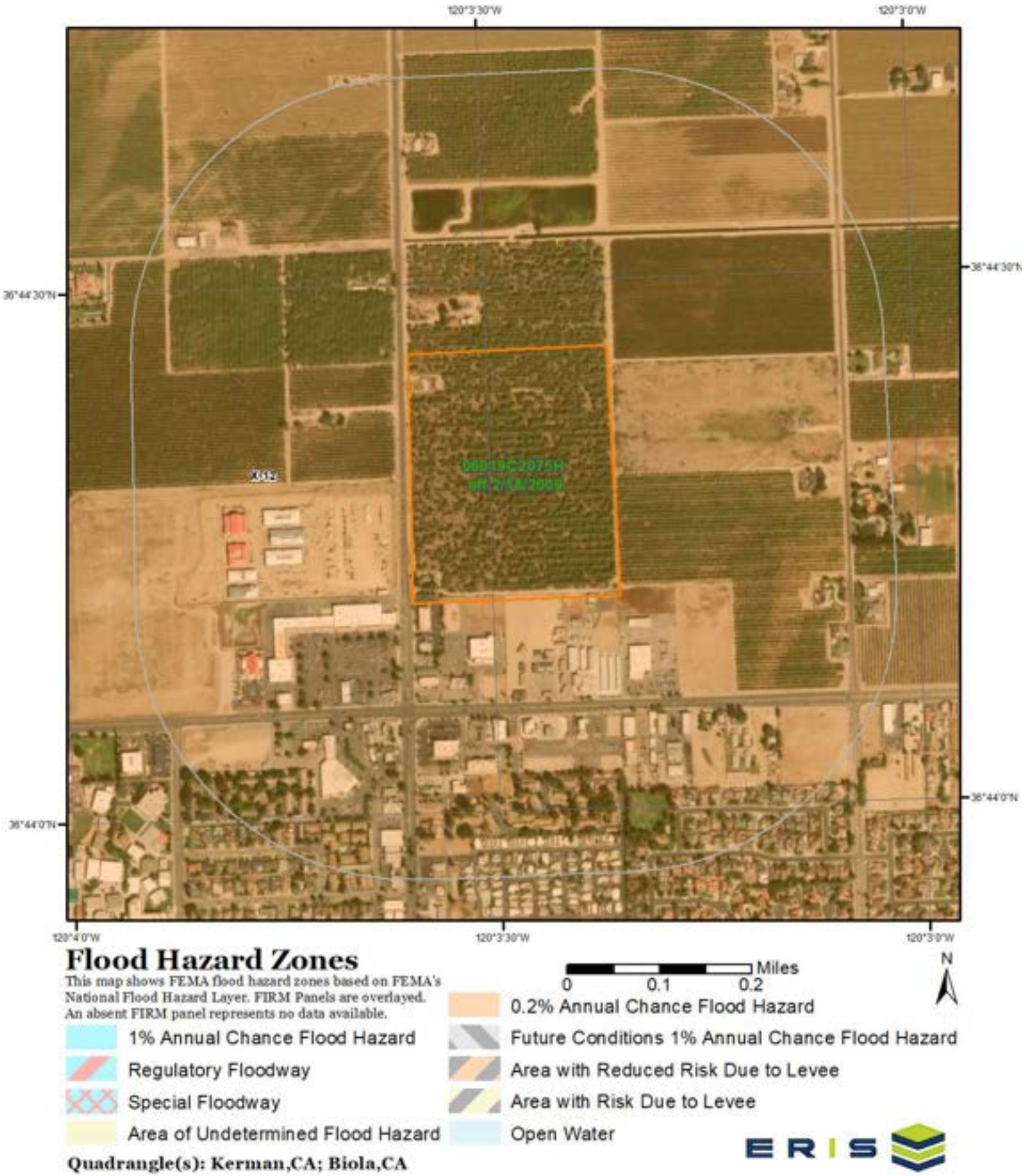
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information



Hydrologic Information

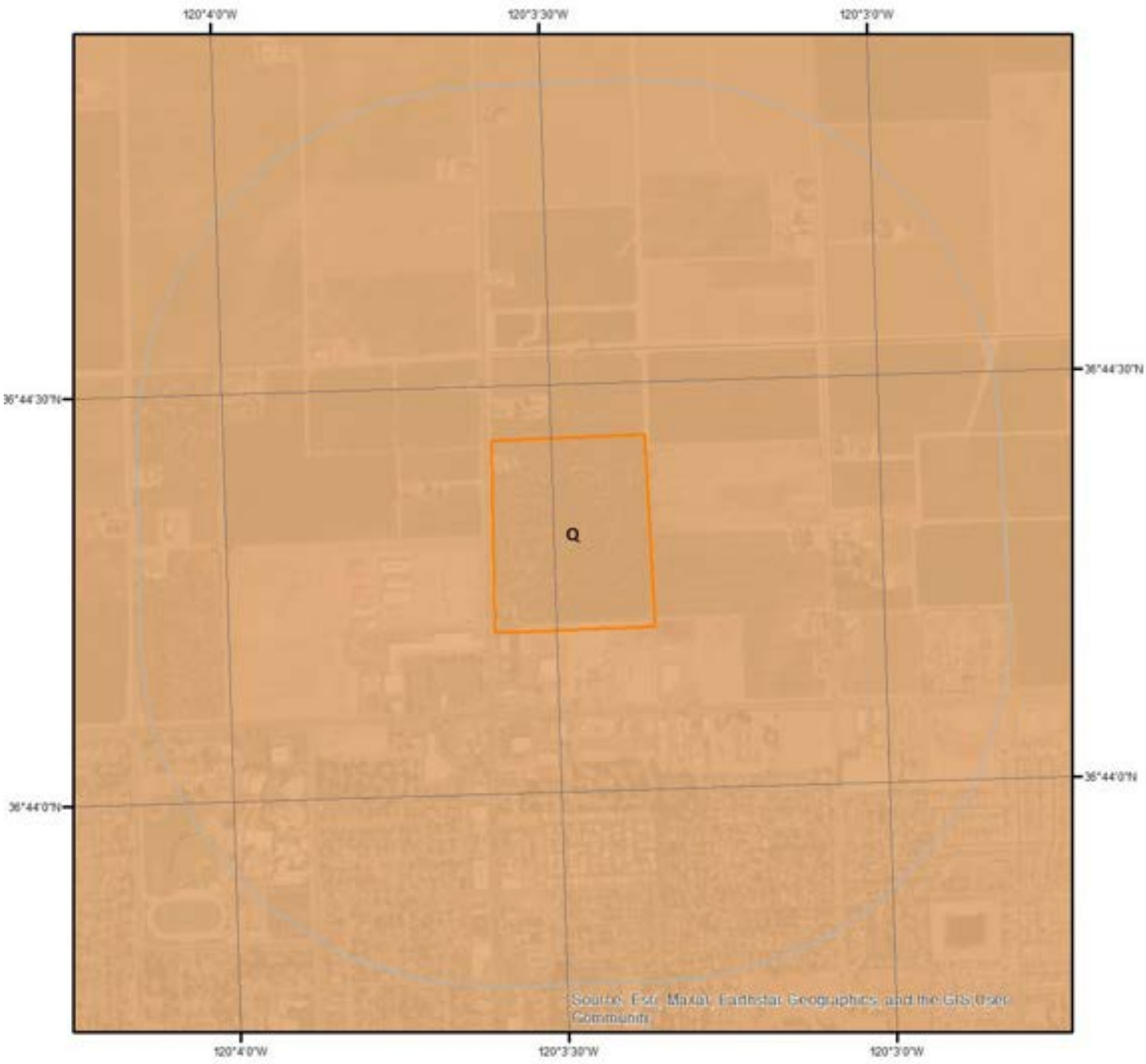
The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	06019C2075H(effective:2009-02-18)

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

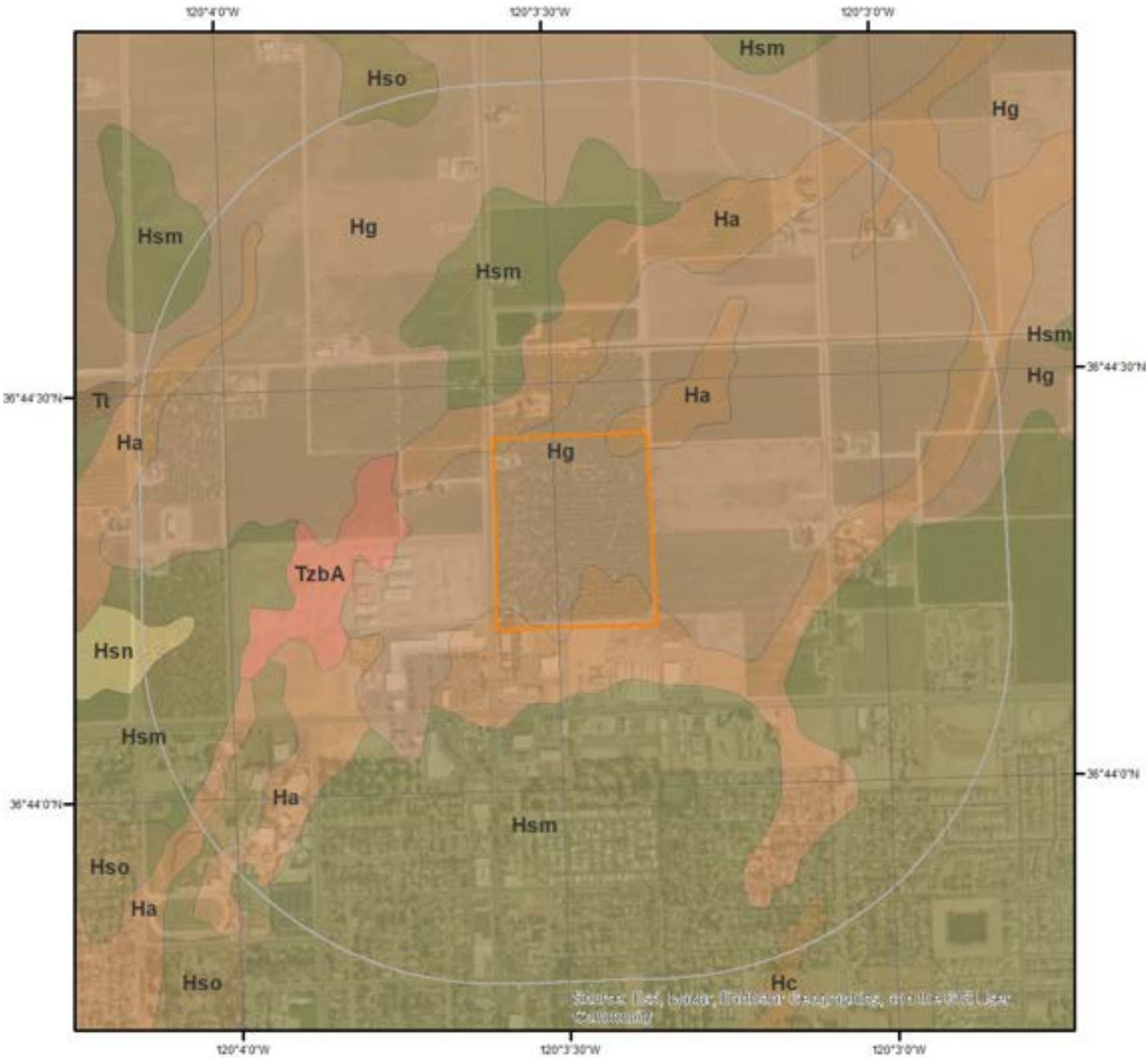
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pleistocene to Holocene
Primary Rock Type:	Coarse-detrital
Secondary Rock Type:	
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Soil Information



SSURGO Soils

N

0 0.175 0.35 Miles

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

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Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit Ha (5.83%)

Map Unit Name:	Hanford coarse sandy loam
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hanford(85%)

horizon Ap(0cm to 41cm)	Coarse sandy loam
horizon C(41cm to 183cm)	Coarse sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ha - Hanford coarse sandy loam

Component: Hanford (85%)
The Hanford component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans on valleys. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Unnamed (15%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit Hc (0.34%)

Map Unit Name:	Hanford sandy loam
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hanford(85%)

horizon Ap(0cm to 41cm)	Sandy loam
horizon C(41cm to 183cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Hc - Hanford sandy loam

Component: Hanford (85%)
The Hanford component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans on valleys. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches

(or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Unnamed (10%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Unnamed (5%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit Hg (76.87%)

Map Unit Name:	Hanford sandy loam, silty substratum
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hanford(85%)

horizon Ap(0cm to 41cm)	Sandy loam
horizon C(41cm to 102cm)	Sandy loam
horizon 2C(102cm to 152cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Hg - Hanford sandy loam, silty substratum

Component: Hanford (85%)
The Hanford component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans on valleys. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Unnamed (15%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit Hsm (16.34%)

Map Unit Name:	Hesperia sandy loam, deep
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Hesperia(85%)

horizon Ap1(0cm to 13cm)	Sandy loam
horizon Ap2(13cm to 28cm)	Sandy loam
horizon Bt(28cm to 81cm)	Sandy loam
horizon Btk(81cm to 109cm)	Sandy loam
horizon 2Bdk(109cm to 160cm)	Stratified silt loam
horizon 2Cd(160cm to 200cm)	Stratified silt loam

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Hsm - Hesperia sandy loam, deep

Component: Hesperia (85%)
The Hesperia component makes up 85 percent of the map unit. Slopes are 0 to 0 percent. This component is on alluvial fans on valleys. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, densic material, 43 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 3s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Unnamed (12%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Unnamed (3%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit Hsn (0.07%)

Map Unit Name:	Hesperia sandy loam, deep, saline-sodic
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	
Hesperia(85%)	
horizon Ap1(0cm to 13cm)	Sandy loam
horizon Ap2(13cm to 28cm)	Sandy loam
horizon Btn(28cm to 81cm)	Sandy loam
horizon Btkn(81cm to 109cm)	Sandy loam
horizon 2Bdkn(109cm to 160cm)	Stratified silt loam
horizon 2Cd(160cm to 200cm)	Stratified silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Hsn - Hesperia sandy loam, deep, saline-sodic

Component: Hesperia (85%)
The Hesperia component makes up 85 percent of the map unit. Slopes are 0 to 0 percent. This component is on fan skirts on alluvial fans on valleys. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, densic material, 43 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 4s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. The soil has a slightly saline horizon within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 18 within 30 inches of the soil surface.

Component: Unnamed (15%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Soil Information

Map Unit Hso (0.43%)

Map Unit Name:	Hesperia sandy loam, shallow
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Hesperia(85%)

horizon Ap1(0cm to 13cm)	Sandy loam
horizon Ap2(13cm to 23cm)	Sandy loam
horizon Bt(23cm to 35cm)	Sandy loam
horizon Btk(35cm to 46cm)	Sandy loam
horizon 2Bdk(46cm to 120cm)	Stratified silt loam
horizon 2Cd(120cm to 200cm)	Stratified silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Hso - Hesperia sandy loam, shallow

Component: Hesperia (85%)
The Hesperia component makes up 85 percent of the map unit. Slopes are 0 to 0 percent. This component is on alluvial fans on fan skirts on valleys. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 3s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Unnamed (15%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit TzbA (0.13%)

Map Unit Name:	Tujunga loamy sand, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Tujunga(85%)

horizon A(0cm to 10cm)	Loamy sand
horizon C(10cm to 152cm)	Stratified sand to loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: TzbA - Tujunga loamy sand, 0 to 3 percent slopes

Component: Tujunga (85%)
The Tujunga component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on alluvial fans on valleys. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a

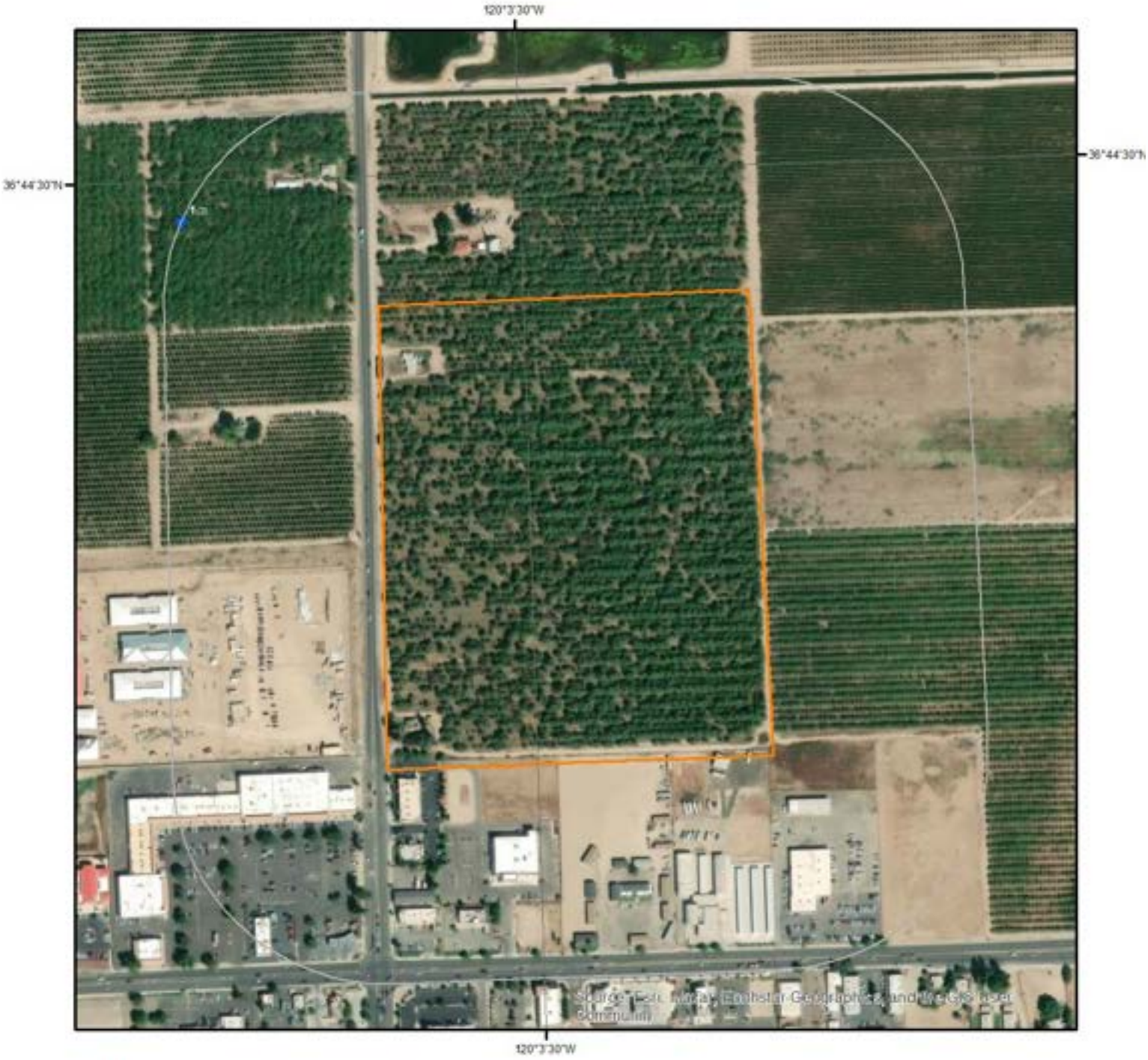
depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 4s. This soil does not meet hydric criteria.

Component: Unnamed (12%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Unnamed (2%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Wells and Additional Sources



Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Periodic Groundwater Level Measurement Locations

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
1	WCR2015-013246	653.49	NW
1	WCR2015-011135	653.49	NW
1	WCR2015-011134	653.49	NW

Wells and Additional Sources Detail Report

Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NW	0.12	653.49	223.97	WATER WELLS

WCR No:	WCR2015-013246
Location:	447 N. MADERA AVE.
City:	KERMAN
County:	Fresno
Decimal Latitude:	36.7413
Decimal Longitude:	-120.062
Location(OSWCR):	447 N. MADERA AVE.
City(OSWCR):	KERMAN
County(OSWCR):	Fresno
Decimal Lat(OSWCR):	36.7413
Decim Long(OSWCR):	-120.062
Data Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NW	0.12	653.49	223.97	WATER WELLS

WCR No:	WCR2015-011135
Location:	447 N. MADERA AVE
City:	KERMAN
County:	Fresno
Decimal Latitude:	36.7413
Decimal Longitude:	-120.062
Location(OSWCR):	447 N. MADERA AVE
City(OSWCR):	KERMAN
County(OSWCR):	Fresno
Decimal Lat(OSWCR):	36.7413
Decim Long(OSWCR):	-120.062
Data Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NW	0.12	653.49	223.97	WATER WELLS

WCR No:	WCR2015-011134
Location:	447 N. MADERA AVE.
City:	KERMAN
County:	Fresno
Decimal Latitude:	36.7413
Decimal Longitude:	-120.062

Wells and Additional Sources Detail Report

Location(OSWCR):	447 N. MADERA AVE.
City(OSWCR):	KERMAN
County(OSWCR):	Fresno
Decimal Lat(OSWCR):	36.7413
Decim Long(OSWCR):	-120.062
Data Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *FRESNO* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *FRESNO* County

No Measures/Homes:	106
Geometric Mean:	0.8
Arithmetic Mean:	1.3
Median:	0.9
Standard Deviation:	1.3
Maximum:	9.4
% >4 pCi/L:	2
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

This list of drinking water violations and enforcement actions is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database, as part of the national download of Safe Drinking Water Act (SDWA) data. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program, including monitoring, enforcement, and violation data related to requirements established by the SWDA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

This national download of Safe Drinking Water Act (SDWA) data is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program related to requirements established by the Safe Drinking Water Act (SDWA). Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP

is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

State Sources

Oil and Gas Wells **OGW**

The California Department of Conservation, Geologic Energy Management Division (CalGEM) provides this oil and gas wells dataset. CalGEM makes no warranties, whether expressed or implied, and the data is for informational purposes.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

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Consultant Resumes

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Commercial Real Estate Due Diligence. Simplified.



Jeremy Okrasinski

Director Agency Due Diligence

Summary of Experience

Mr. Okrasinski has approximately 23 years of experience, specializing in risk management and environmental due diligence for the financial and real estate industries. Mr. Okrasinski has managed accounts for a variety of clientele including national and regional banks, agency lenders, real estate investment trusts (REITs), insurance companies, private equity investment firms, developers, property owners, and law firms.

Mr. Okrasinski has conducted or reviewed thousands of ESAs in accordance with ASTM E1527, the USEPA All Appropriate Inquiry rules, Fannie Mae Delegated Underwriting Standards, Freddie Mac guidelines and other client-specific scopes of work. Based on his experience and education, he meets the definition of an Environmental Professional as defined in §312.10 of 40 CFR 312. His environmental background includes a detailed understanding of the risks associated with hazardous and regulated materials storage, use generation and disposal, above ground and underground storage tanks, and polychlorinated biphenyls (PCBs), as well as the ASTM non-scope considerations of asbestos, lead based paint, radon and microbial growth.

Education

B.S. Geology, East Carolina University

Licenses & Certifications

Leadership in Energy & Environmental Design (LEED) Accredited Professional (AP)