

Adell Street Subdivision Project

Draft Initial Study / Mitigated Negative Declaration

May 2023

SCH No. XXX

Prepared by:



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Madera, CA 93637

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Chapter 1 Introduction

Crawford & Bowen Planning, Inc. has prepared this Initial Study/Mitigated Negative Declaration (IS/MND) on behalf of the City of Madera to address the environmental effects of the Adell Street Subdivision Project (Project). This document has been prepared in accordance with the California Environmental Quality Act (CEQA), Public Resources Code Section 21000 et.seq. The City of Madera is the CEQA lead agency for this proposed Project.

The site and the proposed Project are described in detail in the [Project Description](#).

1.1 Regulatory Information

An Initial Study (IS) is a document prepared by a lead agency to determine whether a project may have a significant effect on the environment. In accordance with California Code of Regulations Title 14 (Chapter 3, Section 15000, *et seq.*)-- also known as the CEQA Guidelines-- Section 15064 (a)(1) states that an environmental impact report (EIR) must be prepared if there is substantial evidence in light of the whole record that the 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 MND and IS is released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur is prepared, and*
 2. *There is no substantial evidence, in light of the whole record before the agency, that the proposed Project as revised may have a significant effect on the environment.*

1.2 Document Format

This IS/MND contains five chapters plus appendices. [Chapter 1 Introduction](#), provides an overview of the proposed Project and the CEQA process. [Chapter 2 Project Description](#), provides a detailed description of proposed Project components. [Chapter 3 Determination](#) identifies the environmental factors potentially affected based on the analyses contained in this IS and includes the Lead Agency's determination based upon those analyses. [Chapter 4 Impact Analysis](#), presents the CEQA checklist and environmental analyses for all impact areas, mandatory findings of significance, and feasible mitigation measures, if applicable. If the proposed Project does not have the potential to significantly impact a given issue area, the relevant

section provides a brief discussion of the reasons why the impact is anticipated to be less than significant or why no impacts are expected. If the proposed Project could have a potentially significant impact on a resource, the issue area discussion provides a description of potential impacts, and appropriate mitigation measures and/or permit requirements that would reduce those impacts to a less than significant level. **Chapter 5 Mitigation Monitoring and Reporting Program** (MMRP), provides the proposed mitigation measures, implementation timelines, and the entity/agency responsible for ensuring implementation.

The CalEEMod Output Files are provided in **Appendix A**, The Biological Resource Evaluation report is provided in **Appendix B**, the CHRIS Cultural Report is provided in **Appendix C**, and the Phase I Environmental Site Assessment Report is provided as **Appendix D**.

Chapter 2 Project Description

2.1 Project Background

2.1.1 Project Title

Adell Street Subdivision Project

2.1.2 Lead Agency Name and Address

City of Madera
Planning Department
205 W. 4th Street
Madera, CA 93637

2.1.3 Contact Person and Phone Number

Lead Agency Contact

Robert Smith
Senior Planner
City of Madera
559-661-5430

2.1.4 Project Location

The proposed Project site is located at the northeast corner of North D Street and East Adell Street, approximately 0.9 miles east of SR 99, approximately 1.1 miles north of SR 145, just north of the City of Madera limits, in Madera County, California (see Figure 2-1). The proposed site is located in a portion of Township 11 South, Range 17 East, and Section 12, on an approximately 10.59-acre site on Assessor's Parcel Numbers 038-090-009, -010, 038-090-007, and -008.

2.1.5 Latitude and Longitude

The centroid of the Project area is approximately 36°59'03.2"N, 120°03'43.5"W.

2.1.6 General Plan Designation

The Project site is currently outside the City of Madera limits but within the City's Sphere of Influence. The site is designated by the City of Madera's General Plan as LD (Low Density Residential), such as the proposed Project. The residential units planned as part of the proposed Project are within the allowed density range.

2.1.7 Zoning

The Project site is currently zoned by Madera County as RRS (Rural Residential Single Family). Upon approval of annexation, rezoning, Tentative Subdivision Map, and Precise Plan the site will be zoned PD (one unit per each 4,500 sq.ft.).

2.1.8 Description of Project

Project Background and Purpose

The proposed Project intends to provide single-family residential housing for the residents of the City of Madera in a growing part of the City.

Project Description

The proposed Project consists of an Annexation, Prezone, Tentative Subdivision Map and Precise Plan to allow for the construction of up to 42 single-family residential units. Parcels to be annexed include 038-090-009, -010, 038-090-007, and -008 for a total of approximately 10.59 acres. The 9.14 acre subdivision would be developed on APN 038-090-009 and -010 (see Figure 2-2) and also includes the development of roads, street lighting, landscaping, and other associated improvements and includes access points along N. D Street and Adell Street. Although no development is proposed for parcels 038-090-007 and -008, they are being included in this analysis as the property will be annexed with the parcels being developed. Any development on APNs 038-090-007, and -008 at some future date will be required to comply with CEQA at that time. The proposed Project site is currently outside the City limits, but within the Sphere of Influence of City of Madera. Project development is expected to begin in late summer, 2024.

2.1.9 Site and Surrounding Land Uses and Setting

Project Setting

The proposed Project site is located adjacent to and north of the City of Madera limits, in a mix of urban and rural area, surrounded by residential housing and vacant/disturbed land. Single-family residences exist to the north, west, southwest, and east of the site, with a church located to the west. Vacant/disturbed land uses also exist to the north, west, south, and east. The site is bounded by North D Street to the west and Adell Street to the south (see Figure 2-2).

Table 2-1 Existing Uses, General Plan Designations, and Zone Districts of Surrounding Properties

Direction from Project Site	Existing Use	General Plan Designation	Zone District
North	Rural residential	LD Low Density Residential	RRS (Madera County)
East	Vacant	LD Low Density Residential	RRS (Madera County)
South	Vacant	LD Low Density	Residential PD (4500)

Direction from Project Site	Existing Use	General Plan Designation	Zone District
		Residential	(City of Madera)
West	Rural residential, church	LD Low Density Residential	(Madera County)

See [Figure 2-4](#) and [Figure 2-5](#) for the zoning and general plan designations, respectively.

2.1.10 Other Public Agencies Whose Approval May Be Required

- Madera County LAFCO
- San Joaquin Valley Air Pollution Control District (SJVAPCD)
- California Regional Water Quality Control Board

2.1.11 Consultation with California Native American Tribes

Public Resources Code Section 21080.3.1, *et seq.* (codification of AB 52, 2013-14) requires that a lead agency, within 14 days of determining that it will undertake a project, must notify in writing any California Native American Tribe traditionally and culturally affiliated with the geographic area of the project if that Tribe has previously requested notification about projects in that geographic area. The notice must briefly describe the project and inquire whether the Tribe wishes to initiate request formal consultation. Tribes have 90 days from receipt of notification to request formal consultation. The lead agency then has 30 days to initiate the consultation, which then continues until the parties come to an agreement regarding necessary mitigation or agree that no mitigation is needed, or one or both parties determine that negotiation occurred in good faith, but no agreement will be made.

Letters were sent out to tribes on November 7th, 2023. City of Madera has not received any written correspondence from a Tribe pursuant to Public Resources Code Section 21080.3.1 requesting notification of proposed Project.

Figure 2-1 Regional Location

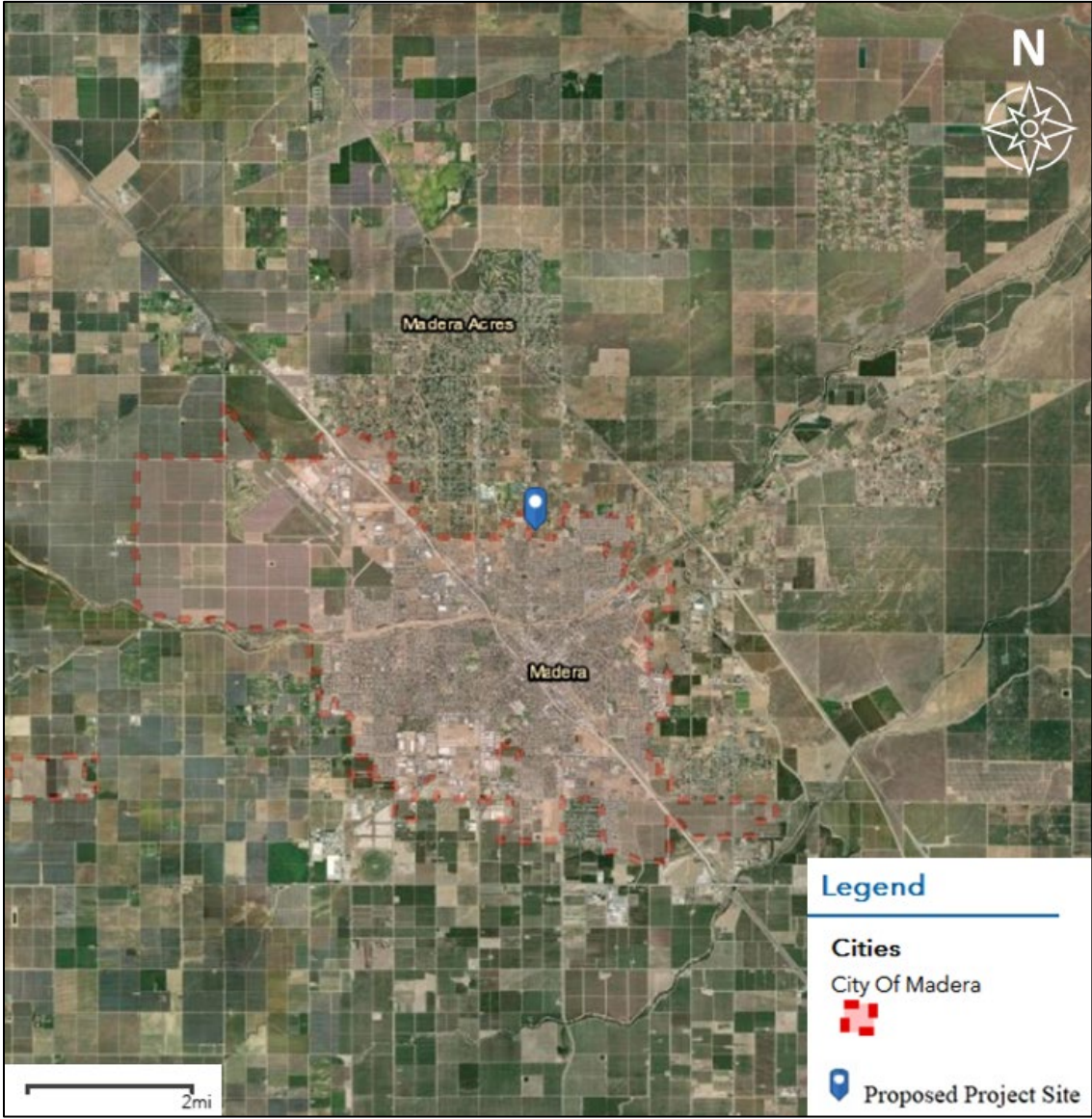


Figure 2-2 Site Aerial

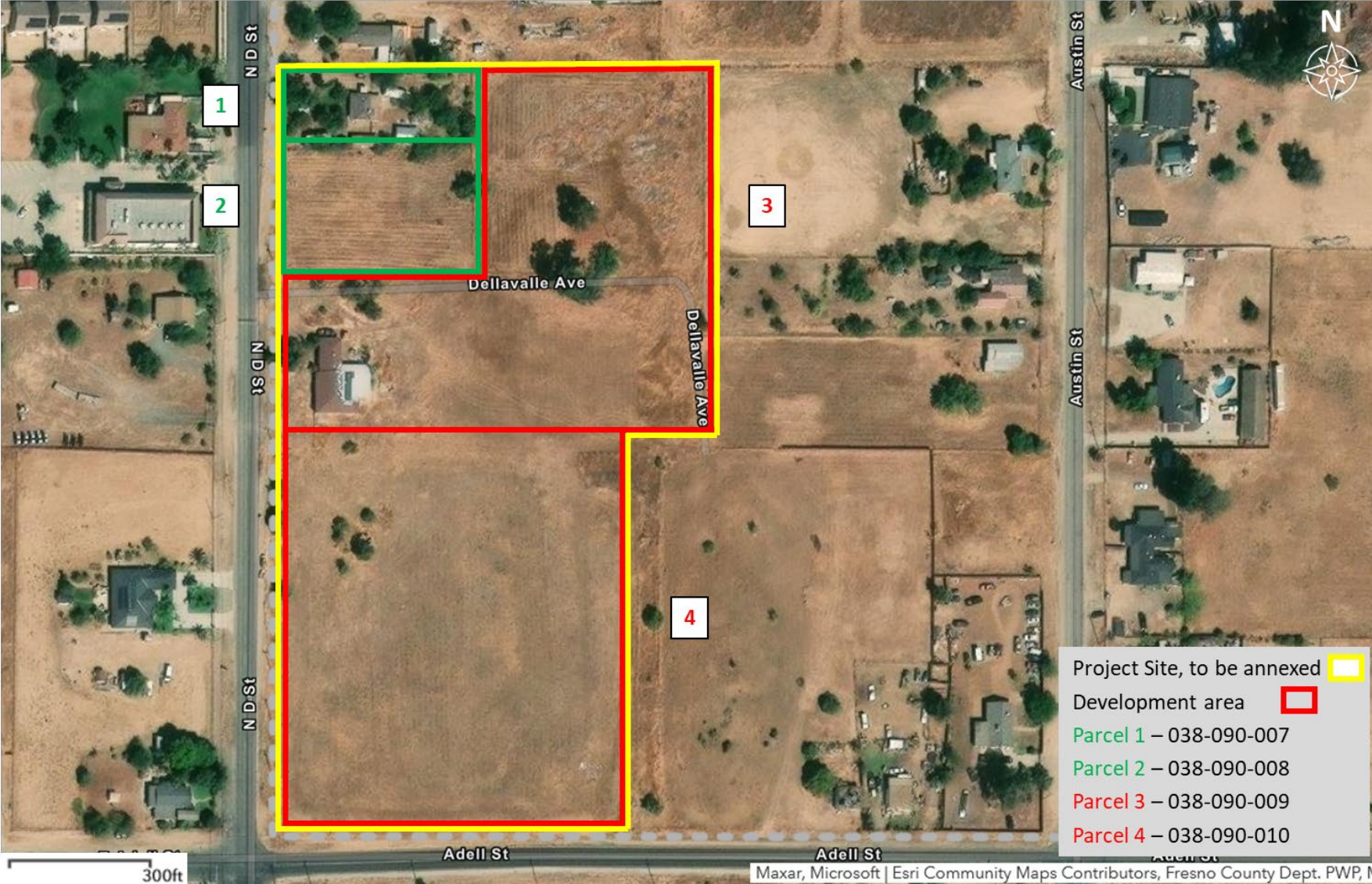


Figure 2-3 Development Site Plan

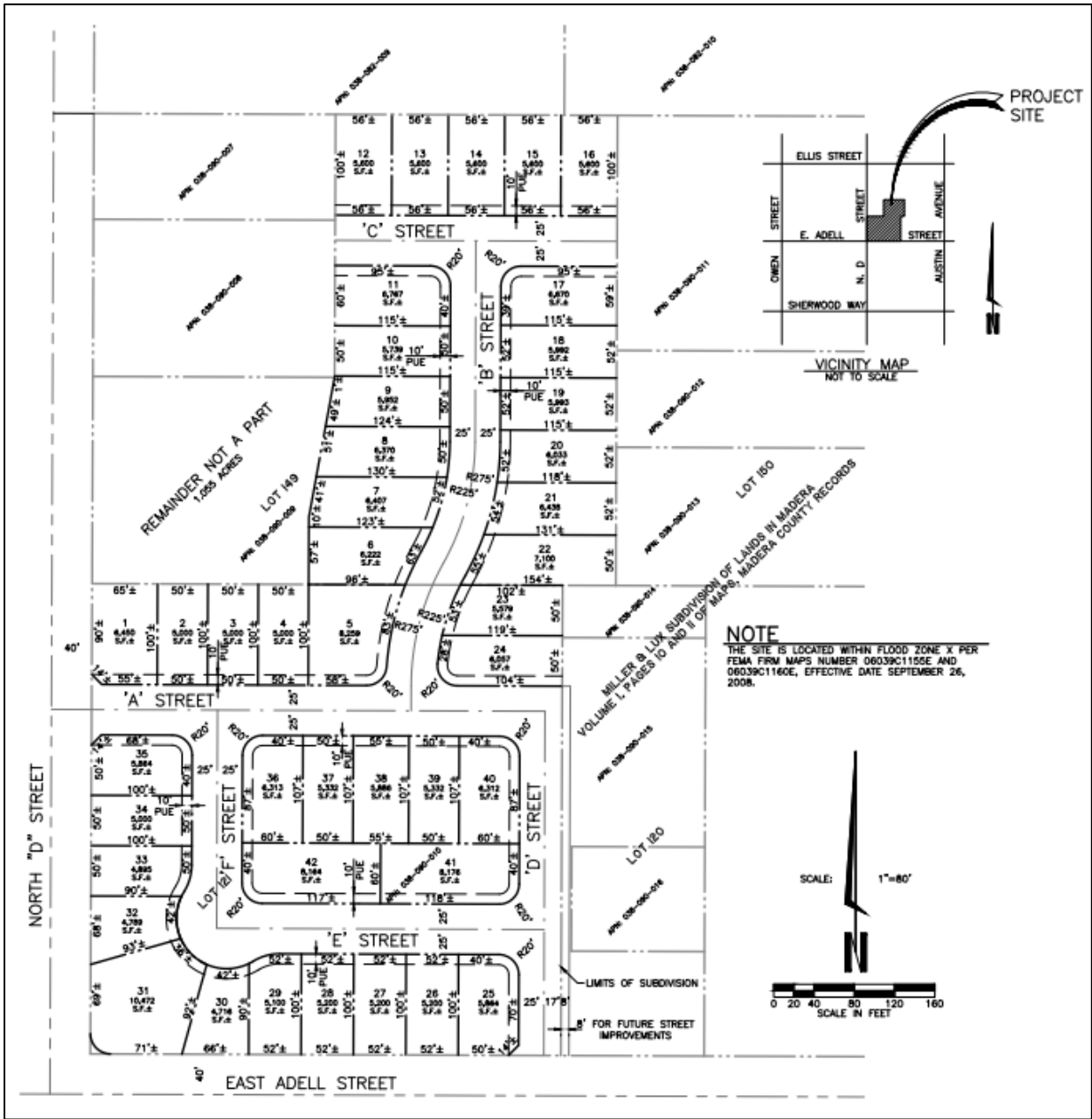


Figure 2-4 Zone District Map

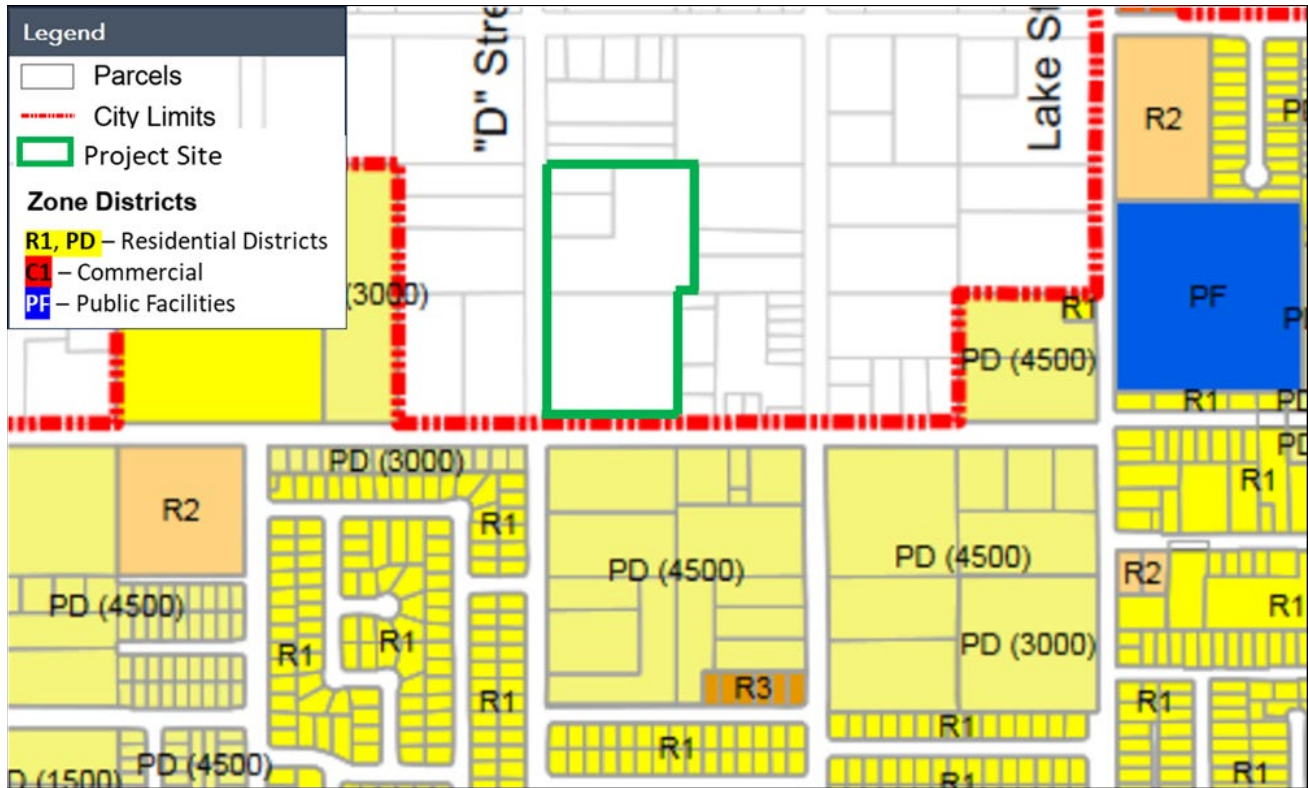
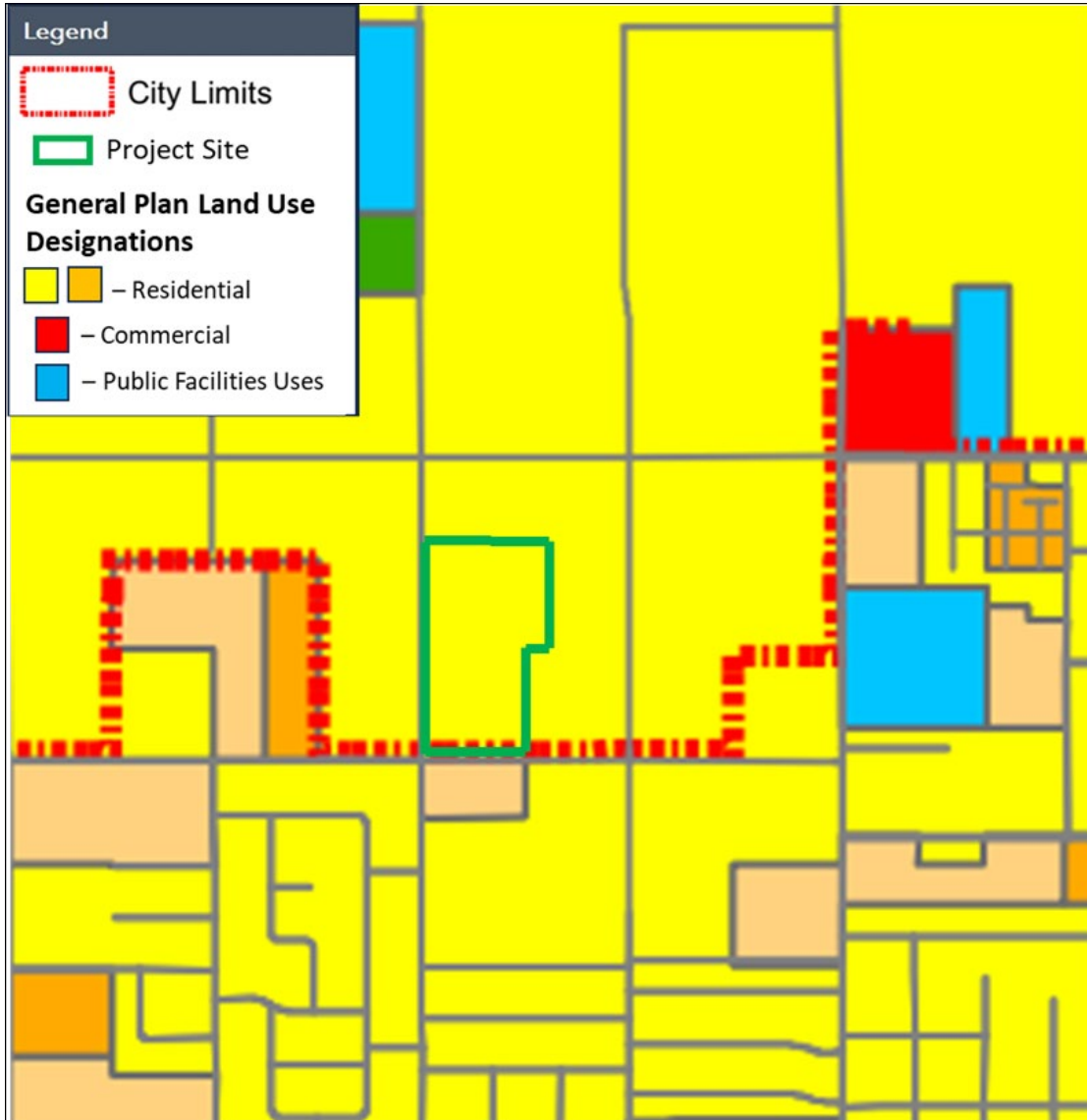


Figure 2-5 General Plan Land Use Designation Map



Chapter 3 Determination

3.1 Environmental Factors Potentially Affected

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

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

The analyses of environmental impacts in [Chapter 4 Impact Analysis](#) result in an impact statement, which shall have the following meanings.

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

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

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

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

3.2 Determination

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

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

Date

Printed Name/Position

Chapter 4 Impact Analysis

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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.1.1 Environmental Setting

The City of Madera is located in central Madera County on the east side of the San Joaquin Valley floor. The City of Madera is characterized by flat terrain of approximately 250 to 275 feet above mean sea level. The City is approximately 15 miles from the Sierra Nevada foothills located to the east.

The proposed Project site is a residential and former agricultural property located northeast of North D Street and Adell Street, currently located in an unincorporated area of Madera County, adjacent to and north of the City limits of Madera.

The aesthetic features in the proposed Project area are relatively uniform; consisting of rural residences, single family residences and vacant or disturbed land. There are no scenic resources or scenic vistas in the area. State Highway 99 is located approximately 1.25 miles to the east.

4.1.2 Impact Assessment

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

The proposed residential development is located in a growing part of the City and will be consistent with the surrounding visual character which consists of single family and rural residential developments, and vacant/disturbed land. The City of Madera General Plan does not identify or designate any scenic vistas in the Project area. A scenic vista is generally considered a view of an area that has remarkable scenery or a resource that is indigenous to the area. The Project is located in an area of minimal topographic relief, and views of the site are easily obscured by buildings, fences, other structures and trees. Neither the Project area nor any surrounding land use contains features typically associated with scenic vistas (e.g., ridgelines, peaks, overlooks).

The proposed structures will also conform to design standards set forth by the City's General Plan and Zoning Ordinance. Construction activities will be visible from the adjacent roadsides; however, the construction activities will be temporary in nature and will not affect a scenic vista. The impact will be *less than significant*.

Mitigation Measures: None are required.

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

Less than Significant Impact. According to the California Department of Transportation Scenic Highway Mapping System, there are no state designated or eligible scenic highways within the immediate proximity to the Project site.¹ In addition, no scenic highways or roadways are listed within the Project area in the City of Madera's General Plan or Madera County's General Plan. Based on the National Register of Historic Places (NRHP) and the City's General Plan, no historic buildings exist on the Project site. The proposed Project would not damage any trees, rock outcroppings or historic buildings within a State scenic highway corridor. Any impacts would be considered *less than significant*.

Mitigation Measures: None are required.

c) In non-urbanized areas, would the project 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?

The 42 single-family residences and associated infrastructure will conform to design standards set forth by the City's General Plan and Zoning Ordinance. The proposed Project site is located in an area that is substantially surrounded by urban uses and will not result in a use that is visually incompatible with the surrounding area.

The site is visible from surrounding residences and from vehicles traveling along adjacent streets. However, the proposed Project site is planned for low density residential housing according to the City's General Plan and will be similar in visual character to the existing area, as similar urban uses are found in the area and throughout both rural and urban parts of the Central Valley. As such, the proposed Project will not substantially degrade the existing visual character or quality of the area or its surroundings. The impact will be *less than significant*.

Mitigation Measures: None are required.

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

¹ California Department of Transportation. California Scenic Highway Mapping System. <https://caltrans.maps.arcgis.com/apps/webappviewer/index.html>. Accessed November 2023.

Less Than Significant Impact. Nighttime lighting is necessary to provide and maintain safe, secure, and attractive environments; however, these lights have the potential to produce spillover light and glare and waste energy, and if designed incorrectly, could be considered unattractive. Light that falls beyond the intended area is referred to as “light trespass.” Types of light trespass include spillover light and glare. Minimizing all these forms of obtrusive light is an important environmental consideration. A less obtrusive and well-designed energy efficient fixture would face downward, emit the correct intensity of light for the use, and incorporate energy timers.

Spillover light is light emitted by a lighting installation that falls outside the boundaries of the property on which the installation is sited. Spillover light can adversely affect light-sensitive uses, such as residential neighborhoods at nighttime. Because light dissipates as it travels from the source, the intensity of a light fixture is often increased at the source to compensate for the dissipated light. This can further increase the amount of light that illuminates adjacent uses. Spillover light can be minimized by using only the level of light necessary, and by using cutoff type fixtures or shielded light fixtures, or a combination of fixture types.

Glare results when a light source directly in the field of vision is brighter than the eye can comfortably accept. Squinting or turning away from a light source is an indication of glare. The presence of a bright light in an otherwise dark setting may be distracting or annoying, referred to as discomfort glare, or it may diminish the ability to see other objects in the darkened environment, referred to as disability glare. Glare can be reduced by design features that block direct line of sight to the light source and that direct light downward, with little or no light emitted at high (near horizontal) angles, since this light would travel long distances. Cutoff-type light fixtures minimize glare because they emit relatively low-intensity light at these angles.

Currently the sources of light in the Project area are from streetlights, the vehicles traveling along North D street and Adell Street and nearby residences to the north, west, southwest, and east. The Project would include nighttime lighting for security. Such lighting would be subject to the requirements of the City of Madera General Plan Policy CON-44, which ensures that outdoor lighting does not produce obtrusive glare onto the public right-of-way or adjoining properties. Lighting fixtures for security would be designed with “cutoff” type fixtures or shielded light fixtures, or a combination of fixture types to cast light downward, thereby providing lighting at the ground level for safety while reducing glare to adjacent properties. Accordingly, the Project would not create substantial new sources of light or glare. Potential impacts are *less than significant*.

Mitigation Measures: None are 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4.2.1 Environmental Setting

The Project lies within the Central Valley, an area dominated by active agriculture. The Project site is within an urbanized region of Madera County and has been designated for growth by the City of Madera in its General Plan. The surrounding area consists of single family and rural residential developments, and vacant/disturbed land. The State Farmland Mapping and Monitoring Program (FMMP) has designated the surrounding area as Vacant or Disturbed Land, Rural Residential, and Urban and Built-Up Land. The FMMP has designated the site as Vacant or Disturbed Land.² The Project development site is currently vacant and disked routinely for weed control.

² Department of Conservation, California Important Farmland Finder. <https://maps.conservation.ca.gov/DLRP/CIFF/>. Accessed November 2023.

4.2.2 Impact Assessment

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

The proposed Project is located on approximately 10.59 acres of land that has historically been farmed and currently contains two residences. The Project site is designated as Vacant or Disturbed Land by the FMMP.³ The development site is on land that was previously farmed and contained residences and has been designated for residential development according to the City's General Plan. As such, any impacts would be *less than significant*.

Mitigation Measures: None are required.

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

No Impact. The proposed Project site is not under a Williamson Act Contract and is located in an area dominated by residential development to the east, south, and west with agricultural land to the north.

There is *no impact*.

Mitigation Measures: None are required.

- c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. This impact evaluates the potential for the proposed Project to conflict with existing Forest Land zoning or result in the loss of forest land or result in the conversion of forest land to non-forest use. There is no forest land zoning on the proposed Project site and there are no forest uses on the site. No loss of forest land would occur and no conflicts would occur. Therefore, *no impacts* would occur.

Mitigation Measures: None are required.

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

No Impact. No conversion of forestland, as defined under Public Resource Code or General Code, as referenced above, would occur as a result of the Project. There is *no impact*.

Mitigation Measures: None are required.

- e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. The site is planned for residential uses according to the City of Madera's General Plan and is being developed as such. The proposed Project does not have the potential to result in the conversion of Farmland to non-agricultural uses or forestland uses to non-forestland. There is *no impact*.

Mitigation Measures: None are required.

3

4.3 Air Quality

Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.3.1 Environmental Setting

The climate of the San Joaquin Valley is characterized by long, hot summers and stagnant, foggy, winters. Precipitation is low and temperature inversions are common. These characteristics are conducive to the formation and retention of air pollutants and are in part influenced by the surrounding mountains which intercept precipitation and act as a barrier to the passage of cold air and air pollutants.

The proposed Project lies within the San Joaquin Valley Air Basin, which is managed by the San Joaquin Valley Air Pollution Control District (SJVAPCD or Air District). National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) have been established for the following criteria pollutants: carbon monoxide (CO), ozone (O3), sulfur dioxide (SO2), nitrogen dioxide (NO2), particulate matter (PM10 and PM2.5), and lead (Pb). The CAAQS also set standards for sulfates, hydrogen sulfide, and visibility.

Air quality plans or attainment plans are used to bring the applicable air basin into attainment with all state and federal ambient air quality standards designed to protect the health and safety of residents within that air basin. Areas are classified under the Federal Clean Air Act as either “attainment”, “non-attainment”, or “extreme non-attainment” areas for each criteria pollutant based on whether the NAAQS have been achieved or not. Attainment relative to the State standards is determined by the California Air Resources Board (CARB). The San Joaquin Valley is designated as a State and Federal extreme non-attainment area for O3, a State and Federal non-attainment area for PM2.5, a State non-attainment area for PM10, and Federal and State attainment area for CO, SO2, NO2, and Pb.⁴

⁴ San Joaquin Valley Air Pollution Control District. Ambient Air Quality Standards & Valley Attainment Status. <https://ww2.valleyair.org/air-quality-information/ambient-air-quality-standards-valley-attainment-status/>. Accessed November 2023.

4.3.2 Impact Assessment

Thresholds of Significance

To assist local jurisdictions in the evaluation of air quality impacts, the SJVAPCD has published the *Guide for Assessing and Mitigating Air Quality Impacts*. This guidance document includes recommended thresholds of significance to be used for the evaluation of short-term construction, long-term operational, odor, toxic air contaminant, and cumulative air quality impacts. Accordingly, the SJVAPCD-recommended thresholds of significance are used to determine whether implementation of the proposed Project would result in a significant air quality impact. Projects that exceed these recommended thresholds would be considered to have a potentially significant impact to human health and welfare. The thresholds of significance are summarized, as follows:

Short-Term Emissions of Particulate Matter (PM₁₀): Construction impacts associated with the proposed Project would be considered significant if the feasible control measures for construction in compliance with Regulation VIII as listed in the SJVAPCD guidelines are not incorporated or implemented, or if project-generated emissions would exceed 15 tons per year (TPY).

Short-Term Emissions of Ozone Precursors (ROG and NO_x): Construction impacts associated with the proposed Project would be considered significant if the project generates emissions of Reactive Organic Gases (ROG) or NO_x that exceeds 10 TPY.

Long-Term Emissions of Particulate Matter (PM₁₀): Operational impacts associated with the proposed Project would be considered significant if the project generates emissions of PM₁₀ that exceed 15 TPY.

Long-Term Emissions of Ozone Precursors (ROG and NO_x): Operational impacts associated with the proposed Project would be considered significant if the project generates emissions of ROG or NO_x that exceeds 10 TPY.

Conflict with or Obstruct Implementation of Applicable Air Quality Plan: Due to the region's nonattainment status for ozone, PM_{2.5}, and PM₁₀, if the project-generated emissions of either of the ozone precursor pollutants (i.e., ROG and NO_x) or PM₁₀ would exceed the SJVAPCD's significance thresholds, then the project would be considered to conflict with the attainment plans. In addition, if the project would result in a change in land use and corresponding increases in vehicle miles traveled, the project may result in an increase in vehicle miles traveled that is unaccounted for in regional emissions inventories contained in regional air quality control plans.

Local Mobile-Source CO Concentrations: Local mobile source impacts associated with the proposed Project would be considered significant if the project contributes to CO concentrations at receptor locations in excess of the CAAQS (i.e. 9.0 ppm for 8 hours or 20 ppm for 1 hour).

Exposure to toxic air contaminants (TAC) would be considered significant if the probability of contracting cancer for the Maximally Exposed Individual (i.e., maximum individual risk) would exceed 10 in 1 million or would result in a Hazard Index greater than 1.

Odor impacts associated with the proposed Project would be considered significant if the project has the potential to frequently expose members of the public to objectionable odors.

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

Less than Significant Impact. The development area of the proposed Project includes development of 42 single-family residences on an approximately 9.14-acre site, including associated roads, landscaping, and lighting. No development is planned for the remaining 1.45 acre portion of the site. The proposed residential development is located in a growing part of the City, with the surrounding area consisting of single family and rural residential developments, and vacant/disturbed land.

Air Quality Plans (AQPs) are plans for reaching attainment of air quality standards. The assumptions, inputs, and control measures are analyzed to determine if the Air Basin can reach attainment for the ambient air quality standards. The proposed Project site is located within the jurisdictional boundaries of the SJVAPCD. To show attainment of the standards, the SJVAPCD analyzes the growth projections in the Valley, contributing factors in air pollutant emissions and formations, and existing and adopted emissions controls. The SJVAPCD then formulates a control strategy to reach attainment that includes both State and SJVAPCD regulations and other local programs and measures.

The CEQA Guidelines indicate that a significant impact would occur if the proposed Project would conflict with or obstruct implementation of the applicable air quality plan. The GAMAQI indicates that projects that do not exceed SJVAPCD regional criteria pollutant emissions quantitative thresholds would not conflict with or obstruct the applicable AQP.

As shown in Table 4-1, the proposed Project's construction and operational regional emissions would not exceed SJVAPCD's regional criteria pollutant emissions quantitative thresholds. Therefore, the proposed Project would not be considered in conflict with or obstruct implementation of the applicable air quality plan and the impact is *less than significant*.

Mitigation Measures: None are required.

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

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

Less than Significant Impact. The proposed Project lies within the San Joaquin Valley Air Basin (SJVAB). The San Joaquin Valley Air Basin (SJVAB) is designated nonattainment of state and federal health-based air quality standards for ozone and PM_{2.5}. The SJVAB is designated nonattainment of state PM₁₀. To meet Federal Clean Air Act (CAA) requirements, the SJVAPCD has multiple air quality attainment plan (AQAP) documents, including:

- 2007 Ozone Plan for attainment of the 8-hour ozone standard
- 2007 PM₁₀ Maintenance Plan and Request for Redesignation
- 2008 PM_{2.5} Plan
- 2012 PM_{2.5} Plan;
- 2015 Plan for the 1997 PM_{2.5} Standard;
- 2016 Ozone Plan for 2008 8-Hour Ozone Standard;
- 2016 Moderate Area Plan for the 2012 PM_{2.5} Standard; and
- 2018 Plan for the 1997, 2006, and 2012 PM_{2.5} Standards
- 2022 Plan for the 2015 8-Hour Ozone Standard:

Because of the region's non-attainment status for ozone, PM_{2.5}, and PM₁₀, if the project-generated emissions of either of the ozone precursor pollutants (ROG or NO_x), PM₁₀, or PM_{2.5} were to exceed the SJVAPCD's significance thresholds, then the project uses would be considered to conflict with the attainment plans. In addition, if the

project uses were to result in a change in land use and corresponding increases in vehicle miles traveled, they may result in an increase in vehicle miles traveled that is unaccounted for in regional emissions inventories contained in regional air quality control plans.

The annual significance thresholds to be used for the Project for construction and operational emissions are as follows⁵:

- 10 tons per year ROG
- 10 tons per year NOx
- 15 tons per year PM₁₀
- 15 tons per year PM_{2.5}

Project Emissions

Site preparation and Project construction would involve excavation, grading, hauling, and various activities needed to construct the Project. During construction, the Project could generate pollutants such as hydrocarbons, oxides of nitrogen, carbon monoxide, and suspended PM. A major source of PM would be windblown dust generated during construction activities. Sources of fugitive dust would include disturbed soils at the construction site and trucks carrying uncovered loads of soils. Vehicles leaving the site could deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries.

PM₁₀ emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM₁₀ emissions would depend on soil moisture, the silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site. These emissions would be temporary and limited to the immediate area surrounding the construction site.

The proposed Project construction schedule would begin in early 2024. Project construction and operational emissions were estimated using the California Emissions Estimator Model (CalEEMod), ver. 2020.4.0. The report can be found in its entirety in Appendix A.

**Table 4-1
Project Construction and Operational Emissions⁶**

	VOC (ROG) (tons/year)	NO _x (tons/year)	PM10* (tons/year)	PM2.5 (tons/year)	CO ₂ (MT/year)
2024	0.22	1.97	0.28	0.18	343.2
2025	0.74	0.22	0.02	0.01	46.1
Annual Construction Emissions Maximum:	0.74	1.97	0.28	0.18	343.2
Total Operational Emissions:	0.58	0.41	0.44	0.13	490.1
Threshold of Significance	10	10	15	15	--
Exceed Threshold?	No	No	No	No	N/A

⁵ San Joaquin Valley Air Control District – Air Quality Threshold of Significance – Criteria Pollutants. <https://www.valleyair.org/transportation/0714-GAMAQI-Criteria-Pollutant-Thresholds-of-Significance.pdf>. Accessed November 2023.

⁶ Air Emissions Modeling Output, CalEEMod ver. 2020.4.0, Appendix A.

As shown in Table 4-1, annual construction and operational emissions would be below the SJVAPCD's significance threshold. Additionally, the SJVAPCD has implemented Regulation VIII measures for dust control related to construction projects, which are applicable to the Project and will be enforced by the City and the City's contractor, which will further reduce construction PM₁₀ emissions. The Project uses would not conflict with emissions inventories contained in regional air quality attainment plans and would not result in a significant contribution to the region's air quality non-attainment status⁷. Likewise, the Project would not result in a cumulatively considerable net increase of any criteria pollutant within the SJVAPCD jurisdiction as no emissions thresholds were met.

Emissions occurring at or near the project have the potential to create a localized impact that could expose sensitive receptors to substantial pollutant concentrations. The SJVAPCD considers a sensitive receptor to be a location that houses or attracts children, the elderly, people with illnesses, or others who are especially sensitive to the effects of air pollutants. Examples of sensitive receptors include hospitals, residences, convalescent facilities, and schools. The closest existing sensitive receptors (to the site area) are residential land uses located approximately 40 feet east of the Project site.

Based on Table 4-1, Project construction and operational emissions will not exceed the SJVAPCD's significance thresholds for ROG, NO_x, PM₁₀, and PM_{2.5}, and will not lead to a cumulatively considerable net increase of these pollutants. Therefore, the Project would not potentially expose nearby sensitive receptors to substantial pollutant concentrations or result in other emissions. It will not cumulatively increase any criteria pollutant and will not result in substantial pollutant concentrations.

Any impacts to air resources would be considered *less than significant*.

Mitigation Measures: None are required.

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

Less Than Significant Impact. Land uses that are typically identified as sources of objectionable odors include landfills, transfer stations, sewage treatment plants, wastewater pump stations, composting facilities, feed lots, coffee roasters, asphalt batch plants, and rendering plants. The Project includes a residential development and as such, would not be a source of ongoing objectionable odors.

During construction, the various diesel-powered vehicles and equipment in use on-site would create localized odors. These odors would be temporary and would not likely be noticeable for extended periods of time beyond the Project's site boundaries. The potential for diesel odor impacts would therefore be less than significant. Any impacts would be *less than significant*.

Mitigation Measures: None are required.

⁷ San Joaquin Valley Air Pollution Control District. Guidance to Assessing and Mitigating Air Quality Impacts. February 19, 2015. Page 65. <https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF>. Accessed November 2023.

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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.4.1 Environmental Setting

The proposed Project site is located in a portion of the central San Joaquin Valley that has, for decades, experienced intensive agricultural and urban disturbances. Current agricultural endeavors in the region include dairies, groves, and row crops.

Like most of California, the Central San Joaquin Valley experiences a Mediterranean climate. Warm dry summers are followed by cool moist winters. Summer temperatures usually exceed 90 degrees Fahrenheit, and the relative humidity is generally very low. Winter temperatures rarely raise much above 70 degrees Fahrenheit, with daytime highs often below 60 degrees Fahrenheit. Annual precipitation within the proposed Project site is about 10 inches, almost 85% of which falls between the months of October and March. Nearly all precipitation falls in the form of rain and storm-water readily infiltrates the soils of the surrounding the sites.

Native plant and animal species once abundant in the region have become locally extirpated or have experienced large reductions in their populations due to conversion of upland, riparian, and aquatic habitats to agricultural and urban uses. Remaining native habitats are particularly valuable to native wildlife species including special status species that still persist in the region.

A Biological Resource Evaluation (BRE) report was prepared on behalf of the Project by Colibri Ecological Consulting in May 2024. The following impact analysis directly references this report. The BRE can be found in its entirety in Appendix B. The Project site and a 50-foot buffer surrounding the Project site were walked and thoroughly inspected to evaluate and document the potential for the area to support state or federally protected resources. An additional buffer of 0.5 miles around the Project site was inspected for potential nesting habitat for special-status raptors. The 0.5-mile buffer was surveyed by driving public roads and identifying the presence of large trees or other potentially suitable substrates for nesting raptors as well as open areas that could provide foraging habitat.

The Project site supported a disced field with ruderal vegetation dominated by annual grasses with sparsely distributed ornamental trees. The Project site lacked small mammal burrows. The site was bordered on all sides by rural residential development. Satellite imagery indicates the Project site has been disced regularly at least since 1998.

An abandoned residence and dilapidated outbuilding were present in the west-central portion of the Project site. Except for one utility room containing a hot water heater, the windows and doors of the abandoned residence were sealed with plywood, and most of the interior of the residence appeared to be inaccessible to bats. Bird species such as house finch (*Haemorhous mexicanus*) and black phoebe (*Sayornis nigricans*) could nest under the eaves of the house or in the open utility room, and bats could potentially roost at these locations; however, no bats or bat sign were observed at either location during the 3 May 2024 reconnaissance survey. The dilapidated outbuilding had no roof and did not provide roosting habitat for bats but could be used as a nesting site for bird species such as house finch and black phoebe.

A well-maintained, occupied residence was at the northwest corner of the Project site. This property contained numerous ornamental trees. Piles of wood chips were distributed along the north end of the Project site, and debris piles were present in several locations.

4.4.2 Impact Assessment

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

Less Than Significant Impact with Mitigation. The Project site consists of disturbed nonnative annual grassland with sparsely scattered nonnative trees. Ruderal vegetation, dominated by nonnative grasses is abundant

throughout the Project site. Ornamental trees border the site to the northeast with agricultural development to the north, residential development and annual grassland to the east, annual grassland to the south, and annual grassland and residential development to the west.

The California Natural Diversity Database (CNDDDB) was searched for special-status species for the Madera 7.5-minute USGS topographic quadrangle and the eight surrounding quadrangles, which produced 35 species. Of those 35 species, seven were not considered further because they are not CEQA-recognized as special-status species by state or federal regulatory agencies or public interest groups, or the species are considered extirpated in California. Of the remaining 28 species, ten are known from within five miles of the Project site. Of those species, only the state listed as threatened Swainson's hawk (*Buteo swainsoni*) could occur on or near the Project site. None of the other species identified in the nine-quad search could occur on or near the Project site.

The California Native Plant Society (CNPS) inventory of rare and endangered plants of California was also searched and produced 17 species, 16 of which have a California Rare Plant Rank (CRPR) of one or two and four of which are also state and federally listed. Of those 16 plant species, none could occur on or near the Project site.

Migratory birds could nest on or near the Project site. Bird species that may nest on or near the property include, but are not limited to, black phoebe and house finch. Large trees within 0.5 miles of the Project site could provide nesting substrates for raptors, including Swainson's hawk (*Buteo swainsoni*).

Swainson's hawk is a state listed as threatened raptor in the family Accipitridae. It is a migratory breeding resident of Central California. It uses open areas including grassland, sparse shrubland, pasture, open woodland, and annual agricultural fields such as grain and alfalfa to forage on small mammals, birds, and reptiles. The nesting season begins in March or April in Central California when this species returns to its breeding grounds from wintering areas in Mexico and Central and South America. Swainson's hawks depart for the non-breeding grounds between August and September.

There are three CNDDDB occurrence records of Swainson's hawk, two from 2016 and one from 2017, from within 5 miles of the Project site. An additional six CNDDDB occurrence records were found in the nine-quad search. Potential nest trees and nearby foraging habitat were present within 0.5 miles of the Project site. However, residential development limits habitat quality. Therefore, the potential for Swainson's hawk to occur on or near the Project site is low.

The Project could adversely affect, either directly or through habitat modifications, Swainson's hawk species that occurs or may occur on or near the Project site. Construction activities such as excavating, trenching, or using other heavy equipment that disturbs or harms a special-status species or substantially modifies its habitat could constitute a significant impact. Implementation of Mitigation Measure BIO-1 would reduce potential impacts to *less than significant levels*.

Mitigation Measures:

BIO-1: Protect nesting Swainson's hawks.

1. To the extent practicable, construction shall be scheduled to avoid the Swainson's hawk nesting season, which extends from March through August.
2. If it is not possible to schedule construction between September and February, a qualified biologist shall conduct surveys for Swainson's hawk in accordance with the Swainson's Hawk Technical Advisory Committee's Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley. These methods require six surveys, three in each of the two survey periods, prior to project initiation. Surveys shall be conducted within a minimum 0.5-mile radius around the Project site.

3. If an active Swainson's hawk nest is found within 0.5 miles of the Project site, and the qualified biologist determines that Project activities would disrupt the nesting birds, a construction-free buffer or limited operating period shall be implemented in consultation with the CDFW.

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

Less Than Significant Impact. The City's General Plan does not identify riparian or other sensitive natural community within the Project area. Additionally, varying portions of the Project site have been previously utilized for residential and/or agricultural purposes. As such, any impacts would be *less than significant*.

Mitigation Measures: None are required.

c) Would the project 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?

Less Than Significant Impact There are no state or federally protected wetlands on the Project site. Additionally, varying portions of the Project site have been previously utilized for residential and/or agricultural purposes. As such, any impacts would be *less than significant*.

Mitigation Measures: None are required.

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

Less than Significant Impact with Mitigation. There are no waterways on the subject site and the area consists of disturbed grassland dominated by nonnative grasses and ruderal forbs.

The Project has the potential to impede the use of nursery sites for native birds protected under the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code (CFG). It is a reasonable possibility that migratory birds could nest on or near the construction site. Construction disturbance during the breeding season could result in the incidental loss of fertile eggs or nestlings or otherwise lead to nest abandonment. Disturbance that causes nest abandonment or loss of reproductive effort can be considered a take under the MBTA and CFG. Loss of fertile eggs or nesting birds, or any activities resulting in nest abandonment, could constitute a significant effect if the species is particularly rare in the region. Construction activities such as excavating, trenching, and grading that disturb a nesting bird in the Project site or immediately adjacent to the construction zone could constitute a significant effect. Mitigation measure BIO-2 will be included in the conditions of approval to reduce the potential effect to a *less than significant* level.

Mitigation Measure:

BIO-2: Protect nesting birds.

1. To the extent practicable, construction shall be scheduled to avoid the nesting season, which extends from February through August.
2. If it is not possible to schedule construction between September and January, pre-construction surveys for nesting birds shall be conducted by a qualified biologist to ensure that no active nests will be disturbed during the implementation of the Project. A pre-construction survey shall be conducted no more than 14 days prior to the initiation of construction activities. During this survey, the qualified

biologist shall inspect all potential nest substrates in and immediately adjacent to the impact areas. If an active nest is found close enough to the construction area to be disturbed by these activities, the qualified biologist shall determine the extent of a construction-free buffer to be established around the nest. If work cannot proceed without disturbing the nesting birds, work may need to be halted or redirected to other areas until nesting and fledging are completed or the nest has otherwise failed for non-construction related reasons.

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

Less than Significant Impact. The City of Madera's General Plan includes various policies for the protection of biological resources. The proposed Project would not conflict with any of the adopted policies and any impacts would be considered *less than significant*.

Mitigation Measures: None are required.

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

Less than Significant Impact. There are no local, regional, or state conservation plans that apply to the Project. As such, any impacts would be *less than significant*.

Mitigation Measures: None are required.

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 pursuant to in §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.5.1 Environmental Setting

Archaeological resources are places where human activity has measurably altered the earth or left deposits of physical remains. Archaeological resources may be either prehistoric (before the introduction of writing in a particular area) or historic (after the introduction of writing). The majority of such places in this region are associated with either Native American or Euroamerican occupation of the area. The most frequently encountered prehistoric and early historic Native American archaeological sites are village settlements with residential areas and sometimes cemeteries; temporary camps where food and raw materials were collected; smaller, briefly occupied sites where tools were manufactured or repaired; and special-use areas like caves, rock shelters, and sites of rock art. Historic archaeological sites may include foundations or features such as privies, corrals, and trash dumps.

The tribes which inhabited the Madera area generally lived a subsistence life-style that included hunting, fishing and collection of plant resources, particularly acorns. Some of these early inhabitants built a variety of structures including residential dwellings, ceremonial structures, and semi-subterranean sweat lodges. A common dwelling was a thatched house covered by brush, grass or tules.

A variety of flaked and ground stone tools (e.g., knives, arrow and spear points, and rough cobble and shaped pestles) were common among Native Americans in the area. Obsidian was a highly valued material for tool manufacture, and was generally imported. Some local tribes also engaged in trading relationships with surrounding groups for commodities such as salt, marine shells and basketry.

Euroamerican contact with Native American groups living in the Central Valley of California began during the last half of the 18th century. At this time, the attention of Spanish missionaries shifted away from the coast, and its dwindling Native American population, to the missionization of interior populations of Native Americans. The efforts of the Spanish to missionize the Native American population began a history of destructive Euroamerican interactions with Native Americans that eventually lead to the loss of traditional Native American culture.

The proposed Project site has been highly disturbed for many years with residential and/or agricultural uses in varying portions of the site. A records search was conducted at the Southern San Joaquin Valley Information

Center (SSJVIC), California Historical Resources Information System (CHRIS) in September 2023 (RS 23-379; See Appendix C). According to the SSJVIC records, there have been no previous cultural resource studies conducted within the Project area and three cultural resource studies completed within the one-half-mile radius: MA-00035, MA-00215, and MA-01129.

4.5.2 Impact Assessment

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

Less than Significant Impact with Mitigation. The records search conducted at the SSJVIC (Appendix C) indicated that there are no recorded resources within the Project area, and it is not known if any exist there. There are four recorded resources within the one-half mile radius: P-20-002802, P-20-002803, P-20-002804, and P-20-002805. These resources all consist of historic era buildings. 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, for the California State Historic Landmarks.

Subsurface construction activities associated with the proposed Project could potentially damage or destroy previously undiscovered historic resources. This is considered a potentially significant impact; however, implementation of Mitigation Measure CUL-1 will ensure that significant impacts remain *less than significant with mitigation incorporation*.

Mitigation Measures:

CUL-1 The following measures shall be implemented:

- Before initiation of construction or ground-disturbing activities associated with the Project, the City shall require all construction personnel to be alerted to the possibility of buried cultural resources, including historic, archeological and paleontological resources;
- The general contractor and its supervisory staff shall be responsible for monitoring the construction Project for disturbance of cultural resources; and
- If a potentially significant historical, archaeological, or paleontological resource, such as structural features, unusual amounts of bone or shell, artifacts, human remains, or architectural remains or trash deposits are 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 California Environmental Quality Act, the archaeologist shall recommend feasible mitigation measures, which may include avoidance, preservation in place or other appropriate measure, as outlined in Public Resources Code section 21083.2. City of Madera shall implement said measures.

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

Less than Significant Impact with Mitigation. The possibility exists that subsurface construction activities may encounter undiscovered archaeological resources. This would be a potentially significant impact. Implementation

of Mitigation Measure CUL-1 would require inadvertently discovery practices to be implemented should previously undiscovered archeological resources be located. As such, impacts to undiscovered archeological resources would be *less than significant with mitigation incorporation*.

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

Less than Significant Impact. Although unlikely given the highly disturbed nature of the site and the records search did not indicate the presence of such resources, subsurface construction activities associated with the proposed Project could potentially disturb previously undiscovered human burial sites. Accordingly, this is a potentially significant impact. The California Health and Safety Code Section 7050.5 states that if human remains are discovered on-site, no further disturbance shall occur until the County Coroner has made a determination of origin and disposition. If the Coroner determines that the remains are not subject to his or her authority and if the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, he or she shall contact, by telephone within 24 hours, the NAHC. The NAHC shall identify the person or persons it believes to be the “most likely descendant” (MLD) of the deceased Native American. The MLD may make recommendations to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resource Code Section 5097.98.

Although considered unlikely subsurface construction activities could cause a potentially significant impact to previously undiscovered human burial sites, however compliance with regulations would reduce this impact to *less than significant*.

Mitigation Measures: None are required.

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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.6.1 Environmental Setting

California’s total energy consumption was the second-highest in the nation in 2020, but its per capita energy consumption was less than in all but three other states. In 2022, California was the fourth-largest electricity producer in the nation. The state was also the nation’s third-largest electricity consumer. In 2022, renewable resources, including hydroelectric power and small-scale, customer-sited solar power, accounted for 49% of California's in-state electricity generation. Natural gas fueled another 42%. Nuclear power supplied almost all the rest.⁸

Energy usage is typically quantified using the British Thermal Unit (BTU). As a point of reference, the approximately amounts of energy contained in common energy sources are as follows⁹:

Energy Source/Fuel	BTUs
Motor Gasoline	120,214 per gallon
Natural Gas	1,036 per cubic foot
Electricity	3,412 per kilowatt-hour

California energy consumption in 2021 was approximately 6,765.2 trillion BTU, as provided in Table 4-2.¹⁰ This represents an approximately 2.4% decrease from energy consumption in 2020.

⁸ California Profile Overview, U.S. Energy Information Administration. <https://www.eia.gov/state/?sid=CA>. Accessed November 2023.

⁹ U.S. Energy Information Administration. Energy Units and Calculators Explained. <https://www.eia.gov/energyexplained/units-and-calculators/british-thermal-units.php>. Accessed November 2023.

¹⁰ California Profile Overview, U.S. Energy Information Administration. <https://www.eia.gov/state/?sid=CA#tabs-2>. Accessed November 2023.

Table 4-2 2021 California Energy Consumption

End User	BTU of energy consumed (in trillions)	Percentage of total consumption
Residential	1,228.7	18.2
Commercial	1,157	17.1
Industrial	1,595.6	23.6
Transportation	2,783.9	41.2
Total	6,765.2	--

Total electrical consumption by Madera County in 2022 was 1808.23 GWh¹¹, while total gas consumption was 48.54 million Therms.¹²

The California Department of Transportation (Caltrans) reports that approximately 35.66 million vehicles were registered in the state in 2022, while in 2021 a total estimated 310.9 billion annual vehicle miles were traveled (VMT).¹³

4.6.2 Impact Assessment

- a) Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?
- b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less Than Significant Impact. The proposed residential development is located in a growing part of the City, with the surrounding area consisting of single family and rural residential developments, and vacant/disturbed land. The Project would introduce energy usage on a site that is currently demanding minimal energy. By comparison, at buildout, the Project would consume amounts of energy in both the short-term during Project construction and in the long-term during Project operation.

During construction, the Project would consume energy in two general forms: (1) the fuel energy consumed by construction vehicles and equipment; and (2) bound energy in construction materials, such as asphalt, steel, concrete, pipes, and manufactured or processed materials such as lumber and glass. Title 24 Building Energy Efficiency Standards provide guidance on construction techniques to maximize energy conservation and it is expected that contractors and owners have a strong financial incentive to use recycled materials and products originating from nearby sources in order to reduce materials costs. As such, it is anticipated that materials used in construction and construction vehicle fuel energy would not involve the wasteful, inefficient, or unnecessary consumption of energy.

¹¹ California Energy Commission. Electricity Consumption by County. <http://ecdms.energy.ca.gov/elecbycounty.aspx>. Accessed November 2023.

¹² California Energy Commission. Gas Consumption by County. <http://ecdms.energy.ca.gov/gasbycounty.aspx>. Accessed November 2023.

¹³ Caltrans Fact Booklet. June 2023. California Department of Transportation. <https://dot.ca.gov/-/media/dot-media/programs/research-innovation-system-information/documents/caltrans-fact-booklets/caltransfacts2023a11y.pdf>. Accessed November 2023.

Operational Project energy consumption would occur for multiple purposes, including but not limited to, building heating and cooling, refrigeration, lighting and electronics. Operational energy would also be consumed during each vehicle trip associated with the proposed use. CalEEMod version 2020.4.0 was utilized to generate the estimated energy demand of the proposed Project, and the results are provided in Table 4-3 and in Appendix A.

**Table 4-3
Annual Project Energy Consumption**

Land Use	Electricity Use in kWh/year	Natural Gas Use in kBTU/year
Single Family Housing	333,436	998,047

The proposed Project would be required to comply with Title 24 Building Energy Efficiency Standards, which provide minimum efficiency standards related to various building features, including appliances, water and space heating and cooling equipment, building insulation and roofing, and lighting. Implementation of Title 24 standards significantly increases energy savings, and it is generally assumed that compliance with Title 24 ensures projects will not result in the inefficient, wasteful, or unnecessary consumption of energy.

As discussed in Impact XVII – Transportation/Traffic, the proposed Project at full buildout would generate approximately 386 average daily vehicle trips. The length of these trips and the individual vehicle fuel efficiencies are not known; therefore, the resulting energy consumption cannot be accurately calculated. Adopted federal vehicle fuel standards have continually improved since their original adoption in 1975 and assist in avoiding the inefficient, wasteful, and unnecessary use of energy by vehicles.

As discussed previously, the proposed Project would be required to implement and be consistent with existing energy design standards at the local and state level. The Project would be subject to energy conservation requirements in the California Energy Code and CALGreen. Adherence to state code requirements would ensure that the Project would not result in wasteful and inefficient use of non-renewable resources due to building operation.

Therefore, any impacts are *less than significant*.

Mitigation Measures: None are 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.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994) creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Directly or indirectly destroy a unique paleontological resource or site or unique geological feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4.7.1 Environmental Setting

The proposed Project site is located within the San Joaquin Valley, a broad structural trough bound by the Sierra Nevada and Coast Ranges of California. The San Joaquin Valley, which comprises the southern portion of the Great Valley of California, has been filled with several thousand feet of sedimentary deposits. Sediments in the eastern valley, derived from the erosion of the Sierra Nevada, have been deposited by major to minor west-flowing drainages and their tributaries. Near-surface sediments are dominated by sands and silty sands with lesser silts, minor clays, and gravel. The sedimentary deposits in the region form large coalescing alluvial fans with gentle slopes. According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service, soils at the subject site are described as San Joaquin, a moderately well drained sandy loam with very slow infiltration rates. Groundwater in the subject site vicinity was reported to be first encountered at a depth of approximately 95 feet bgs in Spring 2022. The groundwater flow direction in the area of the subject site is generally toward the north-northwest.¹⁴

4.7.2 Impact Assessment

- a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:
- a-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.*
 - a-ii) *Strong seismic ground shaking?*
 - a-iii) *Seismic-related ground failure, including liquefaction?*
 - a-iv) *Landslides?*

Less than Significant Impact. The proposed Project site is not located within a currently designated Alquist-Priolo Earthquake Fault Zone. Additionally, according to the Fault Rupture Zones Map prepared by the California Department of Conservation in 2007, the Project area is not located within a Fault-Rupture Hazard Area.¹⁵ Since no known surface expression of active faults are believed to cross the site, fault rupture through the site is not anticipated. The nearest active or potentially active earthquake fault zone is located approximately 18 miles to the southeast of the site along the Clovis Fault, and approximately 40 miles to the west/southwest of the site along the San Joaquin Faulty system.¹⁶ According to the California Historical Earthquakes Online Database maintained by the California Geological Survey, there have been no historic earthquakes with a magnitude greater than or equal to 6.0 epicentered within 30 miles of the site.¹⁷

Although the Project area occurs in an area with historically low to moderate level of seismicity, strong ground shaking could occur in the region; however, the Project would be designed to withstand strong ground shaking, in compliance with the California Building Code, to minimize the potential effects of ground shaking and other seismic activity.

¹⁴ Krazan & Associates, Inc. Phase I Environmental Site Assessment. October 25, 2023. See Appendix D.

¹⁵ California Department of Conservation. CGS Information Warehouse. Regulatory Maps and Reports. <https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/>. Accessed December 2023.

¹⁶ Fault Activity Map, California Department of Conservation. <https://maps.conservation.ca.gov/cgs/fam/>. Accessed November 2023.

¹⁷ Historic Earthquake Online Database, California Department of Conservation. <https://maps.conservation.ca.gov/cgs/historicearthquakes/>. Accessed November 2023.

Liquefaction is a phenomenon where earthquake-induced ground vibrations increase the pore pressure in saturated granular soils until it is equal to the confining, overburden pressure. When this occurs, the soil can completely lose its shear strength and enter a liquefied state. The possibility of liquefaction is dependent upon grain size, relative density, confining pressure, saturation of the soils, and intensity and duration of ground shaking. In order for liquefaction to occur, three criteria must be met: “low density”, coarse-grained (sandy) soils, a groundwater depth of less than about 50 feet, and a potential for seismic shaking from nearby large-magnitude earthquake. The proposed Project site primarily consists of sandy loam soils which are not known to induce liquefaction. The Project’s Valley location also has a low risk of liquefaction. The site is not located within a Liquefaction Zone.¹⁸ No subsidence prone soils or oil or gas production is involved with the proposed Project.

The proposed Project site is located on relatively flat topography and is not located adjacent to any steep slopes or areas that would otherwise be subject to landslides. There are no cut or fill slopes that currently exist or are planned at the proposed Project site. In addition, there are no natural or manmade slopes in the vicinity of the site; therefore, the potential for landslides is negligible. The impact is *less than significant*.

Mitigation Measures: None are required.

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

Less than Significant Impact. According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service, soils at the proposed site are described as San Joaquin, a moderately well drained sandy loam with very slow infiltration rates. The Project site has a generally flat topography, is in an established urban area. Runoff from the Project site during the construction period will be covered by the General Construction permit issued by the State of California Water Resources Control Board; the Contractor will be required to install and maintain all necessary Best Management Practices (BMPs) for stormwater runoff management and erosion control. Therefore, the impact is *less than significant*.

Mitigation Measures: None are required.

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

Less Than Significant Impact. Per the Phase I ESA report (Appendix D), the proposed Project did not indicate any unusual conditions at the site that would entail special design considerations or construction procedures. In addition, the site is not identified in an area of large historic subsidence within the California Central Valley. The soil on site would not become unstable as a result of the Project or result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse. There is a *less than significant impact*.

Mitigation Measures: None are required.

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

Less than Significant Impact. Based on the United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, on-site soils are mapped as San Joaquin sandy loam. These soils are not considered expansive. The proposed development will be required to comply with the Uniform Building Code for the Project. The impact is *less than significant*.

¹⁸ California Department of Conservation. CGS Information Warehouse. Regulatory Maps and Reports. <https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/>. Accessed November 2023.

Mitigation Measures: None are required.

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

No Impact. The proposed Project development will tie into the City's existing wastewater system and will not require installation of a septic tank or alternate wastewater disposal system. There is *no impact*.

Mitigation Measures: None are required.

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

Less than Significant Impact with Mitigation. There are no unique geological features or known fossil-bearing sediments in the vicinity of the proposed Project site. However, there remains the possibility for previously unknown, buried paleontological resources or unique geological sites to be uncovered during subsurface construction activities. Therefore, this would be a potentially significant impact. Mitigation is proposed requiring standard inadvertent discovery procedures to be implemented to reduce this impact to a level of *less than significant with mitigation incorporation*.

Mitigation Measures:

CUL-2 City of Madera will incorporate into the construction contract(s) a provision that in the event a fossil or fossil formations are discovered during any subsurface construction activities for the proposed Project (i.e., trenching, grading), all excavations within 100 feet of the find shall be temporarily halted until the find is examined by a qualified paleontologist, in accordance with Society of Vertebrate Paleontology standards. The paleontologist shall notify the appropriate representative at City of Madera, who shall coordinate with the paleontologist as to any necessary investigation of the find. If the find is determined to be significant under CEQA, the City shall implement those measures, which may include avoidance, preservation in place, or other appropriate measures, as outlined in Public Resources Code section 21083.2.

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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.8.1 Environmental Setting

Various gases in the earth’s atmosphere play an important role in moderating the earth’s surface temperature. Solar radiation enters earth’s atmosphere from space and a portion of the radiation is absorbed by the earth’s surface. The earth emits this radiation back toward space, but the properties of the radiation change from high-frequency solar radiation to lower-frequency infrared radiation. GHGs are transparent to solar radiation, but are effective in absorbing infrared radiation. Consequently, radiation that would otherwise escape back into space is retained, resulting in a warming of the earth’s atmosphere. This phenomenon is known as the greenhouse effect. Scientific research to date indicates that some of the observed climate change is a result of increased GHG emissions associated with human activity.

Among the GHGs contributing to the greenhouse effect are water vapor, carbon dioxide (CO₂), methane (CH₄), ozone, Nitrous Oxide (NO_x), and chlorofluorocarbons. Human-caused emissions of these GHGs in excess of natural ambient concentrations are considered responsible for enhancing the greenhouse effect. GHG emissions contributing to global climate change are attributable, in large part, to human activities associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors.

In California, the transportation sector is the largest emitter of GHGs, followed by electricity generation. Global climate change is, indeed, a global issue. GHGs are global pollutants, unlike criteria pollutants and TACs (which are pollutants of regional and/or local concern). Global climate change, if it occurs, could potentially affect water resources in California. Rising temperatures could be anticipated to result in sea-level rise (as polar ice caps melt) and possibly change the timing and amount of precipitation, which could alter water quality. According to some, climate change could result in more extreme weather patterns; both heavier precipitation that could lead to flooding, as well as more extended drought periods. There is uncertainty regarding the timing, magnitude, and nature of the potential changes to water resources as a result of climate change; however, several trends are evident.

Snowpack and snowmelt may also be affected by climate change. Much of California’s precipitation falls as snow in the Sierra Nevada and southern Cascades, and snowpack represents approximately 35 percent of the state’s useable annual water supply. The snowmelt typically occurs from April through July; it provides natural water flow to streams and reservoirs after the annual rainy season has ended. As air temperatures increase due to climate

change, the water stored in California's snowpack could be affected by increasing temperatures resulting in: (1) decreased snowfall, and (2) earlier snowmelt.

City of Madera adopted a Climate Action Plan (CAP) in September 2015, which is a long-range plan to reduce greenhouse gas (GHG) emissions from City government (municipal) and community-wide activities within the City of Madera and prepare for the anticipated effects of climate change.¹⁹

4.8.2 Impact Assessment

- a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
- b) Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact. The proposed Project would generate GHG emissions which contribute to global warming. Construction related GHG emissions are one-time, short-term emissions and would not contribute to long-term cumulative GHG impacts in the air basin. Long-term emissions would be from vehicle emissions, indirect emissions from energy consumption, and solid waste generated by the proposed Project.

According to the CalEEMod output files (Appendix A), the Project will produce the following CO₂:

- 2024 Project Construction 343.12 MT/yr
- 2025 Project Construction 46.06 MT/yr
- Total Project Construction Emissions 389.18 MT/yr
- Total Project Operational Emissions 490.05 MT/yr

Amortizing the total construction CO₂ emissions over a 30-year period results in approximately 12.98 MT/yr. Adding the amortized construction emissions to the total operational emissions results in approximately 503.03 MT/yr.

The City has an adopted Climate Action Plan (CAP) that includes 2020 and 2030 emission forecasts and reduction targets with a 2030 horizon and is in alignment with State policies, including Executive Order B-30-15 and SB 32. To evaluate a proposed Project's consistency with the CAP, the City has developed the CAP consistency worksheet which is designed to help the City determine if a project is consistent with the CAP but does not define which measure would need to be implemented for the consistency determination, as requirements may vary by project type. Projects that demonstrate consistency with the CAP are considered less than significant in terms of the contribution of GHG Emissions. The proposed Project's consistency with the CAP consistency worksheet is summarized in Table 4-4 below, and demonstrates that the proposed Project would be largely consistent with applicable policies outlined in the City's CAP.

¹⁹ City of Madera Climate action Plan. September 2015. https://www.cityofmadera.ca.gov/wp-content/uploads/2017/08/Final-Madera-CAP_September-2015.pdf. Accessed November 2023.

Table 4-4
CAP Consistency Analysis

Measure Name	Project Actions	Project Compliance (Yes/No/NA)	Description/Details*
E-2 Energy Efficient New Construction	Is the project consistent with applicable policies of the Conservation Element of the General Plan?	Yes	The Project will be consistent with the topics included in the Conservation Element of the General Plan, such as Water Supply and Quality, and Energy and Energy Efficiency, as analyzed throughout this document. The analyses included in respective sections of this Initial Study, such as 4.2 Agriculture, 4.6 Energy, and 4.7 Geology, demonstrate compliance with the goals and policies of the Conservation Element and the General Plan.
	Does the project exceed Title 24 Energy Efficiency Building Standards, meet the state’s Green Building Standards voluntary tier levels, or is LEED Greenpoint, or ENERGY STAR rated?	Yes	According to the latest Building Energy Efficiency Standards, as outlined by the California Energy Commission, buildings whose permit applications are applied for on or after January 1, 2023, must comply with the 2022 Energy Code. Given that the City’s Climate Action Plan was adopted in 2015, it is expected that the Project development will exceed the requirements outlined in the CAP.
E-3 On-Site Small-Scale Renewable Energy	Does the project include solar PV systems or solar hot water heaters?	Yes	The proposed development will comply with the latest 2022 Energy Code, which encourages efficient electric heat pumps, establishes electric-ready requirements for new homes, expands solar photovoltaic and battery storage standards, strengthens ventilation standards, and more.

Measure Name	Project Actions	Project Compliance (Yes/No/NA)	Description/Details*
T-1 Infill and Mixed-Use Development	Is the project consistent with the land use designation(s) shown on the General Plan Land Use Map and with the applicable polices of the Land Use Element of the General Plan policies?	Yes	As analyzed in section 4.11 of this Initial Study, the site is currently outside the City limits, but within the Sphere of Influence of City of Madera. The site is designated by the City of Madera’s General Plan as LD (Low Density Residential), such as the proposed Project. The residential units planned as part of the proposed Project are within the allowed density range. Upon approval of annexation, zone change, and Tentative Subdivision Map, the site will be zoned PD (one unit per each 4,500 sq.ft.).
	Is the project consistent with the Madera County Blueprint?	Yes	The San Joaquin Valley Blueprint provides a plan for the future of transportation and land use in the San Joaquin Valley to the Year 2050. The San Joaquin Valley Blueprint provides an Action Plan and Implementation Strategy which includes six principles to guide future growth decisions for the County. The Proposed Project conforms with the six principles provided in the Action Plan and Implementation Strategy.
	Does the project include mixed- use, higher density (22.5 to 50 units per acre), or infill development?	No	The proposed Project includes development of 42 single-family residences, with the zoning of PD, defined as one unit per each 4,500 sq.ft. It is not an infill development, mixed-use, or higher density.
	Is the project located within 1/4 mile of transit stops or in existing community centers/downtown?	Yes	The City has public transit service called Madera Metro which operates fixed-route transit services. The Project is located approximately 0.14 miles to the east of the bus stop at the Las Brisas Apartments on Adell Street.

Measure Name	Project Actions	Project Compliance (Yes/No/NA)	Description/Details*
T-2 Bicycle and Pedestrian Environment	Is the project consistent with applicable policies of the Community Design and Circulation Elements of the General Plan?	Yes	The Project will be consistent with the applicable policies of the Community Design and Circulation Elements of the General Plan as analyzed in section 17 of the Initial Study. The Project site is located along Collector streets per City's GP Circulation Master Plan (GP Fig. CI-1)
	Is the project consistent with the Bicycle Master Plan?	Yes	According to the Madara County Transportation Commission's Interactive Bike Map, there are proposed Class II bike lanes along N. D Street and Adell Street at the proposed Project site.
	Does the project meet minimum design criteria for bicycle and pedestrian circulation?	Yes	The proposed Project development is subject to review and approval by the City Engineer, including for transportation and circulation design standards.
	Does the project provide adequate and secure bicycle parking?	N/A	The proposed Project includes residential development.
T-3 Transit Travel	Is the project consistent with applicable policies of the Circulation and Community Development Elements of the General Plan?	Yes	Applicable policies of the Community Design Element and the Circulation Element of the General Plan relate to designing new development to be walkable pedestrian- and bicycle-oriented development. Currently, no sidewalks exist along D or Adell Streets; however, the proposed Project includes the installation of sidewalks along the site's frontage.
	Does the project provide safe routes to adjacent transit stops, where applicable?	Yes	Installation of sidewalks along the site's perimeter will provide a safe route for residents to walk to the nearest bus stop to the west.

Measure Name	Project Actions	Project Compliance (Yes/No/NA)	Description/Details*
	Does the project finance and/or construct bus turnouts and shelters where transit demand warrants such improvements?	N/A	
	Does the project provide public transit vouchers to its employees?	N/A	The proposed Project includes development of single-family residences
T-4 Commute Trip Reduction	Is the project consistent with applicable policies of the Community Development Element of the General Plan?	N/A	The proposed Project includes development of single-family residences
	Does the project include and/or promote TDM programs?	N/A	The proposed Project includes development of single-family residences
T-5 Traffic Flow and Vehicle Idling	Does the project include measures to improve traffic flow?	Yes	The proposed Project includes two points of ingress/egress – at N. D Street and Adell Street.
T-6 Low Carbon Fuel Vehicles and Infrastructure	Is the project consistent with applicable policies of the Community Development Element of the General Plan?	N/A	The proposed Project includes development of single-family residences
	Is the project consistent with the San Joaquin Valley Plug-in Electric Vehicle (PEV) Readiness Plan?	N/A	According to the latest Building Energy Efficiency Standards, as outlined by the California Energy Commission, buildings whose permit applications are applied for on or after January 1, 2023, must comply with the 2022 Energy Code. Given that the City's Climate Action Plan was adopted in 2015, it is expected that the Project development will meet or exceed the requirements of San Joaquin Valley Plug-in Electric

Measure Name	Project Actions	Project Compliance (Yes/No/NA)	Description/Details*
			Vehicle (PEV) Readiness Plan.
	Does the project include alternative fueling stations or EV charging stations?	N/A	The proposed Project includes development of single-family residences
T-7 Construction and Off-Road Equipment	Would construction of the project use alternatively fueled construction vehicles/equipment (i.e., repowered engines, electric drive trains, CARB-approved low carbon fuel, electrically-powered)?	Yes	The Proposed Project would use alternatively fueled construction vehicles/equipment (i.e., repowered engines, electric drive trains, CARB-approved low carbon fuel, electrically powered) to the extent feasible.
	Would the project include low-maintenance native landscaping or xeriscaping?	Yes	The Project will comply with Landscaping and other site design element, which are also subject to review and approval of City Planning Department.
W-1 Exceed SB X7-7 Water Conservation Target	Does the project incorporate water efficiency and water conservation measures?	Yes	The Project will comply with the California Building Standards Code (Title 24), including the Model Water Efficient Landscape Ordinance. The Project will be subject to the City and State's ongoing water conservation efforts.
W-2 Recycled Water	Is the project consistent with applicable policies of the Conservation Element of the General Plan?	Yes	The Project will comply with the California Building Standards Code (Title 24), including the Model Water Efficient Landscape Ordinance
	Does the project incorporate recycled/reclaimed water?	N/A	The City has not implemented a recycle/reclaimed water program or infrastructure.
U-1 Trees and	Is the project	Yes	The proposed Project will be

Measure Name	Project Actions	Project Compliance (Yes/No/NA)	Description/Details*
Vegetation	consistent with applicable policies of the Community Design Element of the General Plan?		consistent with Policy CON-2 as it must meet Title 24 standards and implement State water efficient landscape standards. The proposed development is subject to review and approval by the City's Planning Department to verify compliance with the Community Development Element of the GP.
	Does the project include the planting of new trees or new acres of vegetated land?	Yes	The proposed development includes the planting of new trees as part of the landscaping plan, which will be reviewed and approved by the City's Planning Department.

As demonstrated in the CAP Consistency Worksheet, the proposed Project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions, resulting in a *less than significant* impact.

Mitigation Measures: None are required.

4.9 Hazards and Hazardous Materials

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

4.9.1 Environmental Setting

The proposed Project site is located adjacent to and north of the City of Madera limits, in a mix of urban and rural area, surrounded by residential housing and vacant/disturbed land. A rural residence exists within the site in the western portion, which will not be removed. Single-family residences exist to the north, west, southwest, and east

of the site, with a church located to the west. Vacant/disturbed land uses also exist to the north, west, south, and east. The site is bounded by North D Street to the west and Adell Street to the south.

The site is approximately 0.26 miles south of the Jack Desmond Middle School, approximately 0.3 miles west of James Monroe Elementary School, and approximately 0.56 miles southwest of Matilda Torres High School. The Project site is approximately 2.1 miles east of the Madera Municipal Airport. Fresno-Yosemite International Airport is the closest regional airport to the proposed Project site, approximately 22 miles southeast.

A Phase I Environmental Site Assessment (Phase I) was prepared by Krazan & Associates, Inc. for the proposed Project and the findings are utilized and summarized herein. The entire Phase I report can be found in Appendix D.

4.9.2 Impact Assessment

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

Less than Significant Impact. This impact is associated with hazards caused by the routine transport, use, or disposal of hazardous materials or through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. Proposed Project construction activities may involve the use and transport of hazardous materials. These materials may include fuels, oils, mechanical fluids, and other chemicals used during construction. Transportation, storage, use, and disposal of hazardous materials during construction activities would be required to comply with applicable federal, state, and local statutes and regulations. Compliance would ensure that human health and the environment are not exposed to hazardous materials. In addition, the Project would be required to comply with the National Pollutant Discharge Elimination System (NPDES) permit program through the submission and implementation of a Stormwater Pollution Prevention Plan during construction activities to prevent contaminated runoff from leaving the Project site. Therefore, no significant impacts would occur during construction activities.

It is anticipated that the proposed Project would not be a large-quantity user of hazardous materials. Residential land uses do not routinely transport, use, or dispose of hazardous materials, or present a reasonably foreseeable release of hazardous materials. Small quantities of hazardous materials would be used onsite, including cleaning solvents (e.g., degreasers, paint thinners, and aerosol propellants), paints (both latex- and oil-based), acids and bases (such as many cleaners), disinfectants, and fertilizers. The potential risks posed by the use and storage of these hazardous materials are primarily limited to the immediate vicinity of the materials. As such, these materials are not expected to expose human health or the environment to undue risks associated with their use.

Any accumulated hazardous construction or operational wastes will be collected and transported away from the site in compliance with all federal, state and local regulations. The proposed residences are not a typical source of hazardous materials, thus it wouldn't create a significant hazard to the public involving release of hazardous materials. Therefore, the proposed Project will not create a significant hazard to the public or the environment and any impacts would be *less than significant*.

Mitigation Measures: None are required.

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

Less than Significant Impact. The site is approximately 0.26 miles south of Jack Desmond Middle School, approximately 0.3 miles west of James Monroe Elementary School, and approximately 0.56 miles southeast of Matilda Torres High School. As the proposed Project includes the development of single-family residences, it is not reasonably foreseeable that the proposed Project will cause a significant impact by emitting hazardous waste or bringing hazardous materials near a proposed or existing school. Residential land uses do not generate, store, or dispose of significant quantities of hazardous materials. Such uses also do not normally involve dangerous activities that could expose persons onsite or in the surrounding areas to large quantities of hazardous materials. See also Responses IX(a) and IX(b) regarding hazardous material handling. The impact is *less than significant*.

Mitigation Measures: None are required.

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

Less Than Significant Impact. Based on the Phase I Environmental Site Assessment, no evidence of recognized environmental conditions (RECs), controlled RECs (CRECs) or historical RECs (HRECs) pursuant to Government Code Section 65962.5, and as a result, it would not create a significant hazard to the public or environment (refer to Appendix D). There is *no impact*.

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

No Impact. The Project site is approximately 2.1 miles east of the Madera Municipal Airport. Fresno-Yosemite International Airport is the closest regional airport to the proposed Project site, approximately 22 miles southeast. The proposed Project is outside any safety zone or noise contour. There are no private airstrips in the Project vicinity and as such, there is *no impact*.

Mitigation Measures: None are required.

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

Less Than Significant Impact. The proposed Project involves construction of a residential subdivision. Construction activities will be temporary in nature and will not cause any road closures that could interfere with any adopted emergency response or evacuation plan. The construction contractor will be required to work with the City and County (public works, police/fire, etc.) if and when roadway diversions are required to ensure that adequate access is maintained for residents and emergency vehicles. As such, there will be *less than significant impacts*.

Mitigation Measures: None are required.

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

No Impact. There are no wildlands on or near the Project site. The site is substantially surrounded by urban development. There is *no impact*.

Mitigation Measures: None are required.

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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.10.1 Environmental Setting

The City of Madera provides domestic water to the Project site through a network of groundwater wells and pumps and water distribution system. The sole source of water supply for the City of Madera is the Madera sub-basin of the San Joaquin Valley Groundwater Basin. The quality of the water from the aquifer is considered to be of good quality and does not require additional treatment at this time.

4.10.2 Impact Assessment

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

Less than Significant Impact. The proposed Project includes an annexation and development of 42 single-family residential units, including associated roadways and infrastructure.

Construction

Although the proposed Project site is relatively small in scale, grading, excavation and loading activities associated with construction activities could temporarily increase runoff, erosion, and sedimentation. Construction activities also could result in soil compaction and wind erosion effects that could adversely affect soils and reduce the revegetation potential at construction sites and staging areas.

Three general sources of potential short-term construction-related stormwater pollution associated with the proposed Project are: 1) the handling, storage, and disposal of construction materials containing pollutants; 2) the maintenance and operation of construction equipment; and 3) earth moving activities which, when not controlled, may generate soil erosion and transportation, via storm runoff or mechanical equipment. Generally, routine safety precautions for handling and storing construction materials may effectively mitigate the potential pollution of stormwater by these materials. These same types of common sense, “good housekeeping” procedures can be extended to non-hazardous stormwater pollutants such as sawdust and other solid wastes.

Poorly maintained vehicles and heavy equipment leaking fuel, oil, antifreeze, or other fluids on the construction site are also common sources of stormwater pollution and soil contamination. In addition, grading activities can greatly increase erosion processes. Two general strategies are recommended to prevent construction silt from entering local storm drains. First, erosion control procedures should be implemented for those areas that must be exposed. Secondly, the area should be secured to control offsite migration of pollutants. These Best Management Practices (BMPs) would be required in the Stormwater Pollution Prevention Plan (SWPPP) to be prepared prior to commencement of Project construction. When properly designed and implemented, these “good-housekeeping” practices are expected to reduce short-term construction-related impacts to less than significant.

In accordance with the National Pollution Discharge Elimination System (NPDES) Stormwater Program, the Project will be required to comply with existing regulatory requirements to prepare a SWPPP designed to control erosion and the loss of topsoil to the extent practicable using BMPs that the Regional Water Quality Control Board (RWQCB) has deemed effective in controlling erosion, sedimentation, runoff during construction activities. The specific controls are subject to the review and approval by the RWQCB and are an existing regulatory requirement.

Operation

The proposed Project will result in wastewater from residential units that will be discharged into the City’s existing wastewater treatment system. The wastewater will be typical of other urban/residential developments

consisting of bathrooms, kitchen drains, and other similar features. The Project will not discharge any unusual or atypical wastewater.

Additionally, there will be no discharge to any surface or groundwater source. As such, the proposed Project will not violate any water quality standards and will not impact waste discharge requirements or otherwise substantially degrade surface or ground water quality. The impact will be *less than significant*.

Mitigation Measures: None are required.

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

Less than Significant Impact. The City of Madera provides domestic water to the Project site through a network of groundwater wells and pumps and water distribution system.

The site has been planned for residential development in the General Plan and as such, has been accounted for in the City infrastructure planning documents. The Project does not include new physical disturbance beyond the proposed residential uses. Additionally, Project demands for groundwater resources would not substantially deplete groundwater supplies and/or otherwise interfere with groundwater recharge efforts being implemented by the City of Madera. Future demand can be met with continued groundwater pumping, surface water purchases and conservation measures. Impacts on groundwater supplies and groundwater recharge would be less than significant, and would not impede sustainable groundwater management of the basin. As such, there is *a less than significant impact* to this impact area.

Mitigation Measures: None are required.

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

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

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

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

iv) impede or redirect flood flows?

Less Than Significant Impact. The Project site is currently vacant and is routinely disked for weed control. The proposed Project will change drainage patterns of the site through the installation of impervious surfaces and structures (houses, driveways, streets, etc.) and will be required by the City to be graded to facilitate proper stormwater drainage into the City stormwater system. Storm runoff from this Project shall be directed to the Sherwood Basin located south of this Project site in accordance with the Adell Street Improvement Project. Runoff volume calculations will be provided and the developer shall be required to excavate the basin to an amount equivalent to this Project impact on the basin.

The planned County-owned basin on Ellis Street is identified as being able to accommodate the majority of development activity in proximity to the application site, including the recently approved Arc development site to the west.

Any flood flows created by the increase of impervious surface will be directed into the stormwater basin and will not create significant impacts. Storm water during construction will be managed as part of the Storm Water Pollution Prevention Plan (SWPPP). A copy of the SWPPP will be retained on-site during construction.

The entire proposed Project site is located within the FEMA Flood Zone "X", Area of Minimal Flood Hazard.²⁰ The eastern portion of the site is within the FIRM panel 06039C1160E, and the western portion is in 06039C1155E, both maps effective 9/26/2008. The residential units will be built in accordance with the current California Building Code. Accordingly, the chance of flooding (and therefore the release of pollutants due to flooding) at the site is remote.

Impacts are *less than significant*.

Mitigation Measures: None are required.

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

Less than Significant Impact. As discussed in Impact X(c), The proposed Project site is located in an area of minimal flood hazard. The site will be designed for adequate storm drainage and will be required to prepare and submit a water quality control plan to be implemented during construction, as required by the National Pollutant Discharge Elimination System (NDPES). This plan must be reviewed and approved by the City Engineer prior to the start of construction.

There are no inland water bodies that could be potentially susceptible to a seiche in the Project vicinity. This precludes the possibility of a seiche inundating the Project site. The Project site is more than 100 miles from the Pacific Ocean, a condition that precludes the possibility of inundation by tsunami. There are no steep slopes that would be susceptible to a mudflow in the Project vicinity, nor are there any volcanically active features that could produce a mudflow in the City of Madera. This precludes the possibility of a mudflow inundating the Project site.

Any impacts are *less than significant*.

Mitigation Measures: None are required.

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

Less than Significant Impact. The proposed Project would not compromise water quality control. Project implementation would require Statewide NPDES permits for construction runoff. Stormwater will be sent to the City stormdrain which is sent to retention basins, which serves to recharge groundwater and the City. This process would allow multi-generational use by returning water back in the aquifer which would ultimately help with the implementation of the sustainable groundwater management plan.

²⁰ National Flood Hazard Layer Viewer, Federal Emergency Management Agency. <https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd>. Accessed November 2023.

Any impacts are *less than significant*.

Mitigation Measures: None are required.

4.11 Land Use and Planning

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.11.1 Environmental Setting

The proposed site is located in Madera County, adjacent to and north of the City limits of Madera but within the City's Sphere of Influence. Surrounding land uses consist of:

Direction	Existing Use
North	Rural residential
East	Vacant
South	Vacant
West	Rural residential, church

4.11.2 Impact Assessment

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

Less Than Significant Impact. The site is currently outside the City limits, but within the Sphere of Influence of City of Madera. The site is designated by the City of Madera's General Plan as LD (Low Density Residential), such as the proposed Project. The residential units planned as part of the proposed Project are within the allowed density

range. The Project site is currently zoned by Madera County as RRS (Rural Residential Single Family). Upon approval of annexation, zone change, and Tentative Subdivision Map, the site will be zoned PD (one unit per each 4,500 sq.ft.). Entitlements required for the Project development include an Annexation, Zone Change and a Tentative Subdivision Map.

As such the site is zoned for residential development, and upon approval of the entitlements. the Project will be in compliance with the General Plan and zoning ordinance. The Project is also consistent with the land use goals, policies, and objectives of the General Plan. Therefore, construction and operation of the Project would not cause any land use changes in the surrounding vicinity nor would it divide an established community.

Mitigation Measures: None are required.

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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4.12.1 Environmental Setting

The California Geological Survey (CGS) is responsible for the classification and designation of areas within California containing or potentially containing significant mineral resources. The CGS classifies lands into Aggregate and Mineral Resource Zones (MRZs) based on guidelines adopted by the California State Mining and Geologic Board, as mandated by the Surface Mining and Reclamation Act of 1975. These MRZs identify whether known or inferred significant mineral resources are presented in areas. Lead agencies are required to incorporate identified MRZs resource areas delineated by the State into their general plans resource. According to the findings of the City General Plan Update EIR and the Department of Conservation Division of Mine Reclamation, the City does not contain any State or locally designated mineral resources

4.12.2 Impact Assessment

- a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?
- b) Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. According to the City of Madera General Plan, the proposed Project area is not included in a State classified mineral resource zones. Additionally, it is not delineated on a local general plan, specific plan, or other land use plan. Soil disturbance for the proposed Project would be limited site groundwork such as grading, foundations, and installation of infrastructure. Therefore, there is *no impact*.

Mitigation Measures: None are required.

4.13 Noise

Would the project result in:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Generation of excessive ground borne vibration or ground borne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4.13.1 Environmental Setting

The proposed Project site is located adjacent to and north of the City of Madera limits, in a mix of urban and rural area, surrounded by residential housing and vacant/disturbed land. A rural residence exists within the site in the western portion, which will not be removed. Single-family residences exist to the north, west, southwest, and east of the site, with a church located to the west. Vacant/disturbed land uses also exist to the north, west, south, and east. The site is bounded by North D Street to the west and Adell Street to the south.

Table 4-5 presents the maximum 24-hour exterior noise levels for land designated by the City's General Plan relevant to the proposed Project.²¹

**Table 4-5
Exterior Noise Compatibility Guidelines For Noise From All Sources,
Including Transportation Noise (24-Hour Day-Night Average [Cnel/Ldn])**

Land Use Designations	Completely Compatible	Tentatively Compatible	Normally Incompatible	Completely Incompatible
All Residential (Single- and Multi-Family)	Less than 60 dBA	60-70 dBA	70-75 dBA	Greater than 75 dBA

²¹ Ch. 9 Noise Element, City of Madera General Plan. Pg 9-14

Table 4-6
Exterior Noise Level Standards For Non-Transportation Noise, Measured As Dba Leq (30 Minutes)

Land Use Type	Time Period	Maximum Noise Level (dBA)
Single-Family Homes and Duplexes	10 p.m. to 7 a.m.	50
	7 a.m. to 10 p.m.	60
Multiple Residential 3 or More Units Per Building (Triplex +)	10 p.m. to 7 a.m.	55
	7 a.m. to 10 p.m.	60

Note: Leq (Equivalent Sound Level) is the average noise level during the time period of the sample.

4.13.2 Impact Assessment

- a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?
- b) Would the project result in generation of excessive ground borne vibration or ground borne noise levels?

Less than Significant Impacts.

Short-term (Construction) Noise Impacts

Proposed Project construction related activities will involve temporary noise sources. Typical construction related equipment includes graders, trenchers, small tractors and excavators. During the proposed Project construction, noise from construction related activities will contribute to the noise environment in the immediate vicinity. Table 4-7 indicates the anticipated noise levels of the typical construction-related equipment (i.e., graders, trenchers, tractors) based on a distance of 50-feet between the equipment and the sensitive noise receptor.²²

Table 4-7
Typical Construction Noise Levels

Equipment	Typical Noise Level (dBA) 50 ft from Source
Air Compressor	80
Backhoe	80
Compactor	82
Concrete Mixer	85
Dozer	85

²² The Noise and Vibration Impact Assessment Manual, Federal Transit Administration, U.S. Department of Transportation. September 2018. https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf. Table 7-1. Accessed November 2023.

Equipment	Typical Noise Level (dBA) 50 ft from Source
Generator	82
Grader	85
Jack Hammer	88
Loader	85
Paver	85
Truck	84

The distinction between short-term construction noise impacts and long-term operational noise impacts is a typical one in both CEQA documents and local noise ordinances, which generally recognize the reality that short-term noise from construction is inevitable and cannot be mitigated beyond a certain level. Thus, local agencies frequently tolerate short-term noise at levels that they would not accept for permanent noise sources. A more severe approach would be impractical and might preclude the kind of construction activities that are to be expected from time to time in urban environments. Most residents of urban areas recognize this reality and expect to hear construction activities on occasion.

Long-term (Operational) Noise Impacts

The primary source of on-going noise from the Project will be from vehicles traveling on internal access roads and from traffic traveling along Adell Street and North D Street. The Project will result in an increase in traffic on some roadways in the Project area. However, the relatively low number of new trips associated with the Project is not likely to increase the ambient noise levels by a significant amount. Given the amount of existing vehicular activity in the Project area, the moderate increase in traffic associated with the new residential development (386 average daily trips, Appendix A), is not expected to increase ambient noise levels significantly. The area is active with vehicles, residential housing, and agricultural land uses, so the proposed Project will not introduce a new significant source of noise that isn't already occurring in the area.

Vibration Levels

Typical outdoor sources of perceptible ground borne vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. Construction vibrations can be transient, random, or continuous. Construction associated with the proposed Project includes development of 42 single-family residences, along with associated internal access roads, street lighting, site landscaping and additional related improvements.

The approximate threshold of vibration perception is 65 VdB, while 85 VdB is the vibration acceptable only if there are an infrequent number of events per day. Table 4-8 describes the typical construction equipment vibration levels.²³

**Table 4-8
Typical Construction Vibration Levels**

Equipment	VdB at 25 ft
Small Bulldozer	58
Jackhammer	79

²³ Ibid.

Vibration from construction activities will be temporary and not exceed the Federal Transit Administration (FTA) threshold for the nearest residences, to the north and west of the Project development site. Operations will be typical of a residential development and will not involve equipment that would generate substantial groundborne vibration of ground borne noise levels.

Therefore, the impact is considered *less than significant*.

Mitigation Measures: None are required.

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

No Impact. The Project site is approximately 2.1 miles east of the Madera Municipal Airport. The Project is not located within an airport land use plan. Therefore, there is **no impact**.

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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.14.1 Environmental Setting

According to the most recent Department of Finance data, the City of Madera’s population as of 1/1/2023 was 65,540. There were approximately 18,538 total housing units in the City, with approximately 3.62 persons per household.²⁴

4.14.2 Impact Assessment

- a) **Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?**

Less Than Significant Impact. According to the City’s EIR, both the City of Madera and the Planning Area have experienced substantial population growth from 1990-2008²⁵. City of Madera’s population during the adoption of the General Plan in 2008 was 56,710²⁶, and the current population is 65,540. This represents an approximate increase of 15.6%. Estimates for 2023 shows that the City has 18,538 housing units with an average of 3.62 people per household.²⁷ There are 42 new single-family homes associated with the proposed Project and the existing single-family residential structure will remain on site. The site would provide additional housing for approximately 153 people. This is a relatively small population gain and is not expected to affect any regional population, housing or employment projections anticipated by City documents.

²⁴ Population and Housing Estimates for Cities, Counties, and the State, 2020-2023. California Department of Finance, May 2023. <http://www.dof.ca.gov/Forecasting/Demographics/Estimates/E-5/>. Accessed November 2023.

²⁵ City of Madera General Plan Environmental Impact Report, May 2009. Page 7.0-2.

²⁶ Ibid.

²⁷ Ibid.

Additionally, the site is designated as Residential by the City's General Plan and as such, the increase in population has been planned for. The proposed Project will alleviate some overcrowding in the regional population by contributing reliable housing and will additionally provide temporary construction jobs to the local workforce. In conclusion, the Project implementation will not displace substantial numbers of people and instead provide needed housing. Any impacts are considered *less than significant*.

Mitigation Measures: None are required.

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

Less Than Significant Impact. There are two residences within the annexation area of the Project; however, no development is proposed on those parcels. The proposed development site is vacant with no residences on-site.. Any impacts are considered *less than significant*.

Mitigation Measures: None are 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:				
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.15.1 Environmental Setting

Fire, emergency, medical, and police protection services for the Project Site are provided by the City. The City has a contract service with CalFire to provide management and staffing of the City’s fire stations and equipment. Ambulance services are provided by a private contractor. The Project Site is located within the Madera Unified School District, which oversees pre-K through 12 education services. Parks are operated and maintained by the City.

4.15.2 Impact Assessment

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

Fire Protection:

Less than Significant Impact. The Madera City Fire Department is administered by the California Department of Forestry and Fire Protection (CDF) pursuant to a cooperative fire protection agreement. Services include fire

prevention and suppression, emergency medical assistance, rescue, public assistance, fire menace standby, safety inspections, and review of building plans for compliance with applicable codes and ordinances. According to the City's GP, there are two City fire stations, located at 317 North Lake and 200 South Schnoor, are staffed 24 hours a day. The Fire Department staffs two fire engines and one mini-pumper. One of the engines features a 50' telescopic aerial ladder. In addition to these stations, two County of Madera stations serve portions of the Planning Area.²⁸

Upon approval of annexation, rezoning, Tentative Subdivision Map, and Precise Plan, the Project site will be serviced by the Fire Department. The Project would be required to comply with all applicable fire and building safety codes (California Building Code and Uniform Fire Code) to ensure fire safety elements are incorporated into final Project design, including the providing designated fire lanes marked as such. Proposed interior streets will be required to provide appropriate widths and turning radii to safely accommodate emergency response and the transport of emergency/public safety vehicles. The Project will also be designed to meet Fire Department requirements regarding water flow, water storage requirements, hydrant spacing, infrastructure sizing, and emergency access. As a result, appropriate fire safety considerations will be included as part of the final design of the Project. The proposed Project at full buildout will add to the number of "customers" served, however, the Fire Department has capacity for the additional service need. No additional fire equipment, personnel, or services are anticipated to be required by Project implementation. In addition, the Project applicant will be required to pay all associated impact fees related to public services, including fire. As such, any impacts are *less than significant*.

Police Protection

Less than Significant Impact. Police services are provided by the Madera Police Department. The Police Department has two divisions—Administrative Services and Operations—that provide a wide variety of law enforcement services, ranging from investigations to traffic patrols to school liaison. According to the 2019 Annual Report, the Department had 70 sworn personnel and 34 nonsworn personnel.²⁹ Implementation of the proposed Project would result in an increase in demand for police services; however, this increase would be minimal compared to the number of officers currently employed by the Madera Police Department and would not trigger the need for new or physically altered police facilities. No additional police personnel or equipment is anticipated. In addition, each home will be assessed a public safety impact fee by the City that is used to make capital improvements for the Police Department. The proposed site has been designated by the General Plan and zoned for residential purposes. The impact is **less than significant**.

Schools

Less than Significant Impact. The proposed Project site is located within the Madera Unified School District. The site is approximately 0.26 miles south of the Jack Desmond Middle School, approximately 0.3 miles west of James Monroe Elementary School, and approximately 0.56 miles southwest of Matilda Torres High School. Pursuant to California Education Code Section 17620(a)(1), the governing board of any school district is authorized to levy a fee, charge, dedication, or other requirement against any construction within the boundaries of the district for the purpose of funding the construction or reconstruction of school facilities. The Project applicant would be required to pay such fees to reduce any impacts of new residential development of school services. Payment of the developer fees will offset the addition of school-age children within the district.

²⁸ Ch. 6 Health and Safety Element, City of Madera General Plan. October 2009. Pg 6-15.

²⁹ Annual Report 2019, City of Madera Police Department. <https://www.madera.gov/wp-content/uploads/2020/10/PD-Annual-Report-Final.pdf>. Accessed November 2023.

While development of the 42 residential units alone is not expected to require the alteration of existing or construction of new school facilities, the development will contribute to the cumulative need for increased school facilities. The timing of when new school facilities would be required or details about size and location cannot be known until such facilities are planned and proposed, and any attempt to analyze impacts to a potential future facility would be speculative. As the future new school facilities are further planned and developed, they would be subject to their own separate CEQA review in order to identify and mitigate any potential environmental impacts. As such, any impacts would be *less than significant*.

Parks

Less than Significant Impact. The City of Madera provides its residents several types of parks and recreational facilities. The Parks and Community Services Department team supervises and maintains area parks, the municipal golf course, and other local landscape. The City also coordinates a wide variety of recreation and leisure services for both youth and adults. According to the City's General Plan, there are more than 320 acres of parks and recreation areas within the City limits. The closest park to the proposed site is the Pan-American Park, located approximately 0.39 miles to the southeast. The Project will also be required to pay City Park facility impact fees to compensate for any service demand increase on existing parks within the Madera area. The Project applicant would be required to comply with the Municipal Code and Ordinances. As such, any impacts would remain *less than significant*.

Other public facilities

Less than Significant Impact. The proposed Project is within growth projections identified in the City's General Plan and other infrastructure studies. As such, the Project would not result in increased demand on other public facilities such as library services that has not already been planned for. Any impacts would be *less than significant*.

Mitigation Measures: None are 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.16.1 Environmental Setting

The City of Madera provides its residents several types of parks and recreational facilities. According to the City’s General Plan, there are more than 320 acres of parks and recreation areas within the City limits. The City’s neighborhood parks are predominately located in the eastern half of the City.³⁰

4.16.2 Impact Assessment

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

Less Than Significant Impact. The City of Madera provides its residents several types of parks and recreational facilities. The Parks and Community Services Department team supervises and maintains area parks, the municipal golf course, and other local landscape. The Department also coordinates a wide variety of recreation and leisure services for both youth and adults. According to the City’s General Plan, there are more than 320 acres of parks and recreation areas within the City limits. The closest park to the proposed site is the Pan-American Park, located approximately 0.39 miles to the southeast.

The proposed Project consists of development of 42 single-family residences and other associated improvements. However, the increase of approximately 153 persons resulting from the Project would have a relatively small impact on existing recreational facilities. In order to implement the goals and objectives of the City’s General Plan,

³⁰ Ch. 11 Parks and Recreation Element, City of Madera General Plan. October 2009. Pg 11-2.

and to mitigate the impacts caused by future development in the City, park facilities must be constructed. The City Council has determined that a Park Facilities Fee is needed in order to finance these public facilities and to pay for each development's fair share of the construction and acquisition costs. The Project Applicant will be required to pay development impact fees as determined by the City of Park Facilities Fees. The Project will still be required to pay City park facility impact fees, as required. Therefore, impacts are considered *less than significant*.

Mitigation Measures: None are 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)??	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.17.1 Environmental Setting

The proposed Project site is located adjacent to and north of the City of Madera limits, in a mix of urban and rural area, surrounded by residential housing and vacant/disturbed land. A rural residence exists within the site in the western portion, which will not be removed. Single-family residences exist to the north, west, southwest, and east of the site, with a church located to the west. Vacant/disturbed land uses also exist to the north, west, south, and east. The site is bounded by North D Street to the west and Adell Street to the south, both of which are Collector roads.

4.17.2 Impact Assessment

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

Less than Significant Impact.

The proposed development is located in an area consisting of similar single family and rural residential developments, and vacant/disturbed land. As such, the proposed residential Project is considered a typical project within the area and is not expected to significantly increase traffic volumes. The Project would not conflict with a plan, ordinance or policy addressing the circulation system, including transit, roadway, and bicycle and pedestrian facilities. The Project is required to submit improvement plans, including roadway improvements, for review and approval by the City Engineer to ensure improvements will be consistent with City standards. Impacts will be *less than significant*.

Mitigation Measures: None are required

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

Less than Significant Impact. The proposed Project could generate up to 386 average daily vehicle trips (ADT), modeled using CalEEMod ver. 2020.4.0 (output files provided in Appendix A). For project-level analysis, the California Office of Planning and Research (OPR) provides guidance on determining significant thresholds to assess vehicle miles travelled (VMT). OPR recommends that “a per capita or per employee VMT that is fifteen percent below that of existing development may be a reasonable threshold” based on their review of relevant research on project-level impact mitigation measures.³¹ The Madera County Transportation Commission developed a VMT Screening Map which shows the proposed project is in the Traffic Analysis Zone (TAZ) 306, which is designated as having a VMT per capita by TAZ as 15% or more below average, as demonstrated in Figure 4-1. As such, the VMT generated by the proposed Project would be below significance thresholds. Impacts are *less than significant*.

Mitigation Measures: None are required.

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

Less Than Significant Impact. The proposed Project has been designed for ease of access, adequate circulation/movement, and is typical of residential developments in the City of Madera. The proposed residences will be accessed through North D Street and East Adell Street. On-site circulation patterns do not involve high speeds, sharp curves or dangerous intersections. Although there will be an increase in the volume of vehicles accessing the site and surrounding areas, the proposed Project will not present a substantial increase in hazards. Impacts would be *less than significant*.

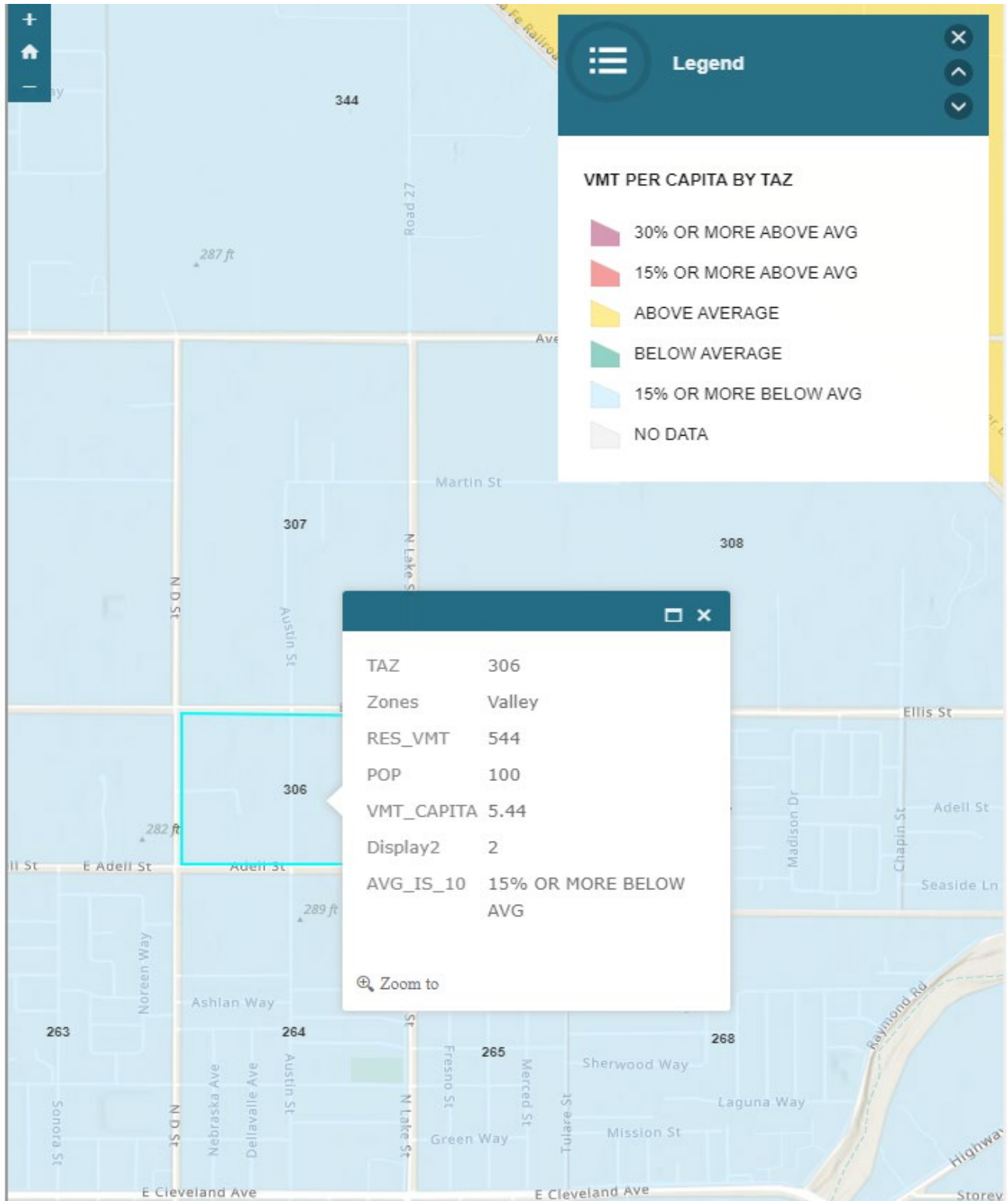
d) Would the project result in inadequate emergency access?

Less Than Significant Impact. State and City Fire Codes establish standards by which emergency access may be determined. The proposed Project would have to provide adequate unobstructed space for fire trucks to turn around. The proposed Project site would have adequate internal circulation capacity including entrance and exit routes to provide adequate unobstructed space for fire trucks and other emergency vehicles to gain access and to turn around. The proposed Project does not involve a change to any emergency response plan and the site will remain accessible to emergency vehicles of all sizes. Any impacts are considered *less than significant*.

Mitigation Measures: None are required.

³¹ Final Program Environmental Impact Report, MCTC 2022 Regional Transportation Plan/Sustainable Communities Strategy. August 2022. https://www.maderactc.org/sites/default/files/fileattachments/transportation/page/5641/mctc_2022_rtp_scs_final_peir.pdf. Pg A-147

Figure 4-1 Madera County – VMT Screening Map³²



³² Madera County Transportation Commission. Vehicle Miles Traveled Resources. Madera County – VMT Screening Maps. <https://www.maderactc.org/transportation/page/vehicle-miles-traveled-resources>. Accessed March 2024.

4.18 Tribal 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 tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i) Listed or eligible for listing in the California Register of Historical Resources, or in the local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.18.1 Environmental Setting

The NAHC provides protection to Native American burials from vandalism and inadvertent destruction, provides a procedure for the notification of most likely descendants regarding the discovery of Native American human remains and associated grave goods, brings legal action to prevent severe and irreparable damage to sacred shrines, ceremonial sites, sanctified cemeteries and place of worship on public property, and maintains an inventory of sacred places.³³

The NAHC performs a Sacred Lands File search for sites located on or near the Project site upon request. The NAHC also provides local governments with a consultation list of tribal governments with traditional lands or

³³ Native American Heritage Commission, About the Native American Heritage Commission <http://nahc.ca.gov/about/>. Accessed November 2023.

cultural places located within the Project Area of Potential Effect. The District sent letters to the tribal governments listed by the NAHC on November 7, 2023 as required by AB 52 and SB 32. The tribes had 90 days from the receipt of the letter to request consultation in writing.

4.18.2 Impact Assessment

- a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:
- i) *Listed or eligible for listing in the California Register of Historical Resources, or in the local register of historical resources as defined in Public Resources Code section 5020.1(k), or*
 - ii) *A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.*

Less than Significant Impact. A Tribal Cultural Resource (TCR) is defined under Public Resources Code section 21074 as a site, feature, place, cultural landscape that is geographically defined in terms of size and scope, sacred place, and object with cultural value to a California Native American tribe that are either included and that is listed or eligible for inclusion in the California Register of Historic Resources or in a local register of historical resources, or if the MUSD, acting as the Lead Agency, supported by substantial evidence, chooses at its discretion to treat the resource as a TCR. As discussed above, under Section V, Cultural Resources, criteria (b) and (d), no known archeological resources, ethnographic sites or Native American remains are located on the proposed Project site.

As discussed under criterion (b) implementation of standard protection measures outlined in the City's General Plan EIR would ensure that impacts to unknown archaeological deposits, including TCRs, remains at a less than significant level. As discussed under criterion (d), compliance with California Health and Safety Code Section 7050.5 would reduce the likelihood of disturbing or discovering human remains, including those of Native Americans. In addition, the City provided consultation letters to the Tribes on the NAHC list that was provided to the City. As of November 2023, no response has been received from any of the Tribes. Any impacts to TCR would be considered *less than significant*.

Mitigation Measures: No additional measures are required.

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 effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.19.1 Environmental Setting

The City of Madera provides domestic water to the Project site through a network of groundwater wells and pumps and water distribution system. The sole source of water supply for the City of Madera is the Madera sub-basin of the San Joaquin Valley Groundwater Basin.

The Madera County Integrated Water Management Plan (Madera IRWM) encourages all of the groundwater users in Madera County to cooperate in reducing the overdraft. The City has developed specific plans to reduce their use of groundwater through implementation of water meters to encourage conservation by users and the percolation of treated wastewater for extraction by the Madera Irrigation District for farm irrigation uses. They have the potential to further reduce groundwater depletion through the implementation of a groundwater recharge program that uses surface water supplies from the San Joaquin River and the Fresno River.

The City of Madera provides wastewater collection, treatment and disposal for the wastewater generated by the Project site. Wastewater collection is provided through a series of existing sanitary sewer mains and trunk sewers

that convey wastewater from the Project and areas surrounding the Project to the existing wastewater treatment plant. Treatment and disposal are provided at the City's Wastewater Treatment Plant (WWTP) located at 13048 Road 21½, west of the City of Madera. This section discusses the capacity of the existing sanitary sewer collection system, the capacity of the WWTP, the expected demand from the Project, and the evaluation of the impacts and comparison of those impacts to thresholds of significance.

4.19.2 Impact Assessment

- a) **Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?**

Less than Significant Impact. Because the proposed Project is subject to annexation, it will be required to connect to existing water, wastewater, stormwater, electricity, natural gas, and telecommunications systems. The Project site is located within the service territory of the Wastewater Treatment Facility (WTF). Since the WTF is considered a publicly owned treatment works, operational discharge flows treated at the WTF would be required to comply with applicable water discharge requirements issued by the Central Valley Regional Water Quality Control Board (RWQCB). Compliance with conditions or permit requirements established by the City as well as water discharge requirements outlined by the Central Valley RWQCB would ensure that wastewater discharges coming from the proposed Project site and treated by the WTF system would not exceed applicable Central Valley RWQCB wastewater treatment requirements.

As discussed in Section X, Hydrology and Water Quality, with an increase in the area of impervious surfaces on the Project site, an increase in the amount of storm water runoff is anticipated. The site will be designed so that storm water is collected and deposited in the City's existing storm drain system. The storm water collection system design will be subject to review and approval by the City Public Works Department. Storm water during construction will be managed as part of the Storm Water Pollution Prevention Plan (SWPPP). A copy of the SWPPP is retained on-site during construction.

Pacific Gas & Electric is the natural gas and electric service provider for the area and they incrementally expand and update their service system as needed to serve its users. Similarly, telecommunications providers in the area incrementally expand and update their service systems in response to usage and demand.

Additionally, the City has reviewed the Project to ensure compliance with applicable requirements and regulations in addition to determining adequate capacity in these systems to accommodate development within the Project Area. The proposed Project site is within the planning area of the City of Madera and has been designated for residential development in the General Plan. Site development has been accounted for in the City's infrastructure planning documents.

Thus, the proposed Project would have a *less than significant impact*.

Mitigation Measures: None are required.

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

Less than Significant Impact. See Section X – Hydrology for a full discussion pertaining to available water supply. The site land use designation and zoning is currently Residential and as such, residential development has been

accounted for in the General Plan and other infrastructure planning documents. The City will have sufficient supply to serve the proposed Project and as such, the proposed Project will have a *less than significant impact*.

Mitigation Measures: None are required.

- c) **Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?**

Less Than Significant Impact. As discussed in Section XVIII(a), implementation of the proposed Project would result in the need for additional wastewater treatment service; however, the proposed development was accounted for in the General Plan and has been planned for in the City's adopted infrastructure planning documents. Additionally, the proposed Project applicant would be required to comply with any applicable City and WTF regulations and would be subject to applicable development impact fees and wastewater connection charges. Therefore, with compliance to applicable standards and payment of required fees and connection charges, the Project would not result in a significant impact related to construction or expansions of existing wastewater treatment facilities.

Mitigation Measures: None are required.

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

Less than Significant Impact. According to the City's GP, the City of Madera Solid Waste Division provides all residential customers with solid waste and greenwaste services. There are several recycling companies in Madera that accept beverage containers and other recyclables. Disposal services in the City are provided by a contractor, Mid Valley Disposal. The Fairmead Landfill is approximately 9.35 miles northwest of the proposed Project site.

The Project would comply with federal, state and local statutes and regulations related to solid waste. The proposed Project would be required to comply with all standards related to solid waste diversion, reduction, and recycling during Project construction and operation. The proposed Project would result in *less than significant* impacts to solid waste and landfill facilities.

Mitigation Measures: None are required.

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

Less than Significant Impact. See Response d, above. The proposed Project will comply with all federal, state and local statutes and regulations related to solid waste. As such, any impacts would be *less than significant*.

Mitigation Measures: None are required.

4.20 Wildfire

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrollable spread of wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

4.20.1 Environmental Setting

The Project Site is located on a relatively flat property within the City’s Urban Growth Area planned for urban uses. Further, the Project Site is not identified by the California Department of Forestry and Fire Protection (CalFire) or the City as a Very High Fire Hazard Severity Zone (VHFHSZ)³⁴; rather, the site is within an “area of local responsibility” as defined by CalFire and is considered an area of low fire risk.

4.20.2 Impact Assessment

If located in or near state responsibility areas 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?

³⁴ Cal Fire. Fire Hazard Severity Zones in SRA – Madera County. [chrome-extension://efaidnbmnnnibpcjpcglclefindmkaj/https://34c031f8-c9fd-4018-8c5a-4159cdf6b0d-cdn-endpoint.azureedge.net/-/media/osfm-website/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones/fire-hazard-severity-zones-map/upload-3/fhszs_map20.pdf](https://efaidnbmnnnibpcjpcglclefindmkaj/https://34c031f8-c9fd-4018-8c5a-4159cdf6b0d-cdn-endpoint.azureedge.net/-/media/osfm-website/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones/fire-hazard-severity-zones-map/upload-3/fhszs_map20.pdf). Accessed November 2023.

- 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?
- c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?
- d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less Than Significant Impact. The proposed Project is located in an area developed with residential and agricultural uses, which precludes the risk of wildfire. The area is flat in nature which would limit the risk of downslope flooding and landslides, and limit any wildfire spread.

To receive building permits, the proposed Project would be required to be in compliance with the adopted emergency response plan and latest Building Codes. As such, any wildfire risk to the Project structures or people would be *less than significant*.

Mitigation Measures: None are required.

4.21 CEQA Mandatory Findings of Significance

Does the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4.21.1 Environmental Setting

4.21.2 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 a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less Than Significant Impact With Mitigation. The analyses of environmental issues contained in this Initial Study indicate that the proposed Project is not expected to have a substantial impact on the environment or on any resources identified in the Initial Study. Mitigation measures have been incorporated in the Project to reduce all potentially significant impacts to **less than significant**.

- b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Less Than Significant Impact. CEQA Guidelines Section 15064(i) states that a Lead Agency shall consider whether the cumulative impact of a project is significant and whether the effects of the project are cumulatively considerable. The assessment of the significance of the cumulative effects of a project must, therefore, be conducted in connection with the effects of past projects, other current projects, and probable future projects. Due to the nature of the Project and consistency with environmental policies, incremental contributions to impacts are considered less than cumulatively considerable. The proposed Project would not contribute substantially to adverse cumulative conditions, or create any substantial indirect impacts (i.e., increase in population could lead to an increase need for housing, increase in traffic, air pollutants, etc.). The impact is **less than significant**.

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

Less Than Significant Impact With Mitigation. 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. Mitigation measures have been incorporated in the Project to reduce all potentially significant impacts to **less than significant**.

Chapter 5 Mitigation Monitoring and Reporting Program

This Mitigation Monitoring and Reporting Program (MMRP) has been formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) for the Adell Street Subdivision Project (Project) immediately north of the City of Madera. The MMRP lists mitigation measures recommended in the IS/MND for the Project and identifies monitoring and reporting requirements.

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

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

Table 5-1 Mitigation Monitoring and Reporting Program

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Implementation	Method to Verify Compliance	Verification of Compliance
Biological Resources					
<p>Mitigation Measure BIO-1:</p> <p>To the extent practicable, construction shall be scheduled to avoid the Swainson’s hawk nesting season, which extends from March through August.</p> <p>If it is not possible to schedule construction between September and February, a qualified biologist shall conduct surveys for Swainson’s hawk in accordance with the Swainson’s Hawk Technical Advisory Committee’s Recommended Timing and Methodology for Swainson’s Hawk Nesting Surveys in California’s Central Valley. These methods require six surveys, three in each of the two survey periods, prior to project initiation. Surveys shall be conducted within a</p>	Prior to and during construction	Six surveys / ongoing	Applicant / Project Contractor	<p>Applicant / project contractor shall submit preconstruction survey documentation of compliance to the City prior to issuance of grading or building permits.</p> <p>City Planning and Building Departments shall verify preconstruction survey documentation is complete prior to issuance of grading or building permit.</p> <p>City Planning Department to field verify prior to commencement of any project related grading or construction activities as applicable survey specifications are implemented.</p>	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Implementation	Method to Verify Compliance	Verification of Compliance
<p>minimum 0.5-mile radius around the Project site.</p> <p>If an active Swainson’s hawk nest is found within 0.5 miles of the Project site, and the qualified biologist determines that Project activities would disrupt the nesting birds, a construction-free buffer or limited operating period shall be implemented in consultation with the CDFW.</p>					
<p>Mitigation Measure BIO-2:</p> <p>To the extent practicable, construction shall be scheduled to avoid the nesting season, which extends from February through August.</p> <p>If it is not possible to schedule construction between September and January, pre-construction surveys for nesting birds shall be conducted by a qualified biologist to ensure</p>	<p>Prior to construction activities.</p>	<p>Once</p>	<p>Applicant / Project Contractor</p>	<p>Applicant / project contractor shall submit preconstruction survey documentation of compliance to the City prior to issuance of grading or building permits if construction is scheduled during the nesting season.</p> <p>City Planning and Building Departments shall verify preconstruction survey</p>	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Implementation	Method to Verify Compliance	Verification of Compliance
<p>that no active nests will be disturbed during the implementation of the Project. A pre-construction survey shall be conducted no more than 14 days prior to the initiation of construction activities. During this survey, the qualified biologist shall inspect all potential nest substrates in and immediately adjacent to the impact areas. If an active nest is found close enough to the construction area to be disturbed by these activities, the qualified biologist shall determine the extent of a construction-free buffer to be established around the nest. If work cannot proceed without disturbing the nesting birds, work may need to be halted or redirected to other areas until nesting and fledging are completed or the nest has otherwise failed for non-construction related reasons.</p>				<p>documentation is complete prior to issuance of grading or building permit.</p> <p>City Planning Department to field verify prior to commencement of any project related grading or construction activities as applicable survey specifications are implemented.</p>	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Implementation	Method to Verify Compliance	Verification of Compliance
<p>Mitigation Measure CUL-1:</p> <p>The following shall be implemented:</p> <p>Before initiation of construction or ground-disturbing activities associated with the Project, the City shall require all construction personnel to be alerted to the possibility of buried cultural resources, including historic, archeological and paleontological resources;</p> <p>The general contractor and its supervisory staff shall be responsible for monitoring the construction Project for disturbance of cultural resources; and</p> <p>If a potentially significant historical, archaeological, or paleontological resource, such as structural features, unusual amounts of bone or shell,</p>	<p>Prior to and during construction.</p>	<p>Ongoing.</p>	<p>Applicant / Project Contractor</p>	<p>Applicant / project contractor shall submit documentation of compliance to the City prior to issuance of grading or building permits.</p> <p>City Planning and Building Departments shall verify preconstruction survey documentation is complete prior to issuance of grading or building permit.</p> <p>City Planning Department to field verify prior to commencement of any project related grading or construction activities as applicable survey specifications are implemented.</p>	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Implementation	Method to Verify Compliance	Verification of Compliance
<p>artifacts, human remains, or architectural remains or trash deposits are 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 California Environmental Quality Act, the archaeologist shall recommend feasible mitigation measures, which may include avoidance, preservation in place or other appropriate measure, as</p>					

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Implementation	Method to Verify Compliance	Verification of Compliance
outlined in Public Resources Code section 21083.2. City of Madera shall implement said measures.					
<p>Mitigation Measure CUL-2:</p> <p>City of Madera will incorporate into the construction contract(s) a provision that in the event a fossil or fossil formations are discovered during any subsurface construction activities for the proposed Project (i.e., trenching, grading), all excavations within 100 feet of the find shall be temporarily halted until the find is examined by a qualified paleontologist, in accordance with Society of Vertebrate Paleontology standards. The paleontologist shall notify the appropriate representative at City of Madera, who shall coordinate with the paleontologist as to any</p>	Prior to and during construction.	Ongoing.	Applicant / Project Contractor	City will incorporate into construction contract.	

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Implementation	Method to Verify Compliance	Verification of Compliance
necessary investigation of the find. If the find is determined to be significant under CEQA, the City shall implement those measures, which may include avoidance, preservation in place, or other appropriate measures, as outlined in Public Resources Code section 21083.2.					

Appendix A

CalEEMod Output Files

Adell Street Subdivision Project - San Joaquin Valley Unified APCD Air District, Annual

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

Adell Street Subdivision Project
San Joaquin Valley Unified APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	42.00	Dwelling Unit	9.14	75,600.00	133

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	45
Climate Zone	7			Operational Year	2025
Utility Company					
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Residential project in Madera county.

Land Use - Project site is approximately 9.14 acres in size.

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	13.64	9.14
tblWoodstoves	NumberCatalytic	9.14	0.00
tblWoodstoves	NumberNoncatalytic	9.14	0.00

2.0 Emissions Summary

Adell Street Subdivision Project - San Joaquin Valley Unified APCD Air District, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2145	1.9624	2.2012	3.9500e-003	0.1878	0.0882	0.2760	0.0898	0.0826	0.1724	0.0000	343.1114	343.1114	0.0819	1.5500e-003	345.6200
2025	0.7336	0.2116	0.3158	5.3000e-004	2.7600e-003	9.4700e-003	0.0122	7.4000e-004	8.8500e-003	9.5900e-003	0.0000	46.0576	46.0576	0.0116	1.5000e-004	46.3921
Maximum	0.7336	1.9624	2.2012	3.9500e-003	0.1878	0.0882	0.2760	0.0898	0.0826	0.1724	0.0000	343.1114	343.1114	0.0819	1.5500e-003	345.6200

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2145	1.9624	2.2012	3.9500e-003	0.1878	0.0882	0.2760	0.0898	0.0826	0.1724	0.0000	343.1111	343.1111	0.0819	1.5500e-003	345.6196
2025	0.7336	0.2116	0.3158	5.3000e-004	2.7600e-003	9.4700e-003	0.0122	7.4000e-004	8.8500e-003	9.5900e-003	0.0000	46.0576	46.0576	0.0116	1.5000e-004	46.3920
Maximum	0.7336	1.9624	2.2012	3.9500e-003	0.1878	0.0882	0.2760	0.0898	0.0826	0.1724	0.0000	343.1111	343.1111	0.0819	1.5500e-003	345.6196

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

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.6774	0.6774
2	4-1-2024	6-30-2024	0.4929	0.4929
3	7-1-2024	9-30-2024	0.4983	0.4983
4	10-1-2024	12-31-2024	0.4986	0.4986
5	1-1-2025	3-31-2025	0.9393	0.9393
		Highest	0.9393	0.9393

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3774	0.0193	0.3182	1.2000e-004		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003	0.0000	18.7041	18.7041	8.4000e-004	3.3000e-004	18.8244
Energy	5.3800e-003	0.0460	0.0196	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2596	53.2596	1.0200e-003	9.8000e-004	53.5761
Mobile	0.1879	0.3357	1.7712	4.3000e-003	0.4259	3.8500e-003	0.4298	0.1140	3.6100e-003	0.1176	0.0000	407.0529	407.0529	0.0207	0.0224	414.2513
Waste						0.0000	0.0000		0.0000	0.0000	10.1577	0.0000	10.1577	0.6003	0.0000	25.1652
Water						0.0000	0.0000		0.0000	0.0000	0.8682	0.0000	0.8682	0.0892	2.1100e-003	3.7248
Total	0.5707	0.4010	2.1090	4.7100e-003	0.4259	0.0106	0.4365	0.1140	0.0103	0.1243	11.0258	479.0166	490.0424	0.7120	0.0258	515.5418

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3774	0.0193	0.3182	1.2000e-004		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003	0.0000	18.7041	18.7041	8.4000e-004	3.3000e-004	18.8244
Energy	5.3800e-003	0.0460	0.0196	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2596	53.2596	1.0200e-003	9.8000e-004	53.5761
Mobile	0.1879	0.3357	1.7712	4.3000e-003	0.4259	3.8500e-003	0.4298	0.1140	3.6100e-003	0.1176	0.0000	407.0529	407.0529	0.0207	0.0224	414.2513
Waste						0.0000	0.0000		0.0000	0.0000	10.1577	0.0000	10.1577	0.6003	0.0000	25.1652
Water						0.0000	0.0000		0.0000	0.0000	0.8682	0.0000	0.8682	0.0892	2.1100e-003	3.7248
Total	0.5707	0.4010	2.1090	4.7100e-003	0.4259	0.0106	0.4365	0.1140	0.0103	0.1243	11.0258	479.0166	490.0424	0.7120	0.0258	515.5418

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/26/2024	5	20	
2	Site Preparation	Site Preparation	1/27/2024	2/9/2024	5	10	
3	Grading	Grading	2/10/2024	3/8/2024	5	20	

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4	Building Construction	Building Construction	3/9/2024	1/24/2025	5	230
5	Paving	Paving	1/25/2025	2/21/2025	5	20
6	Architectural Coating	Architectural Coating	2/22/2025	3/21/2025	5	20

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 0

Residential Indoor: 153,090; Residential Outdoor: 51,030; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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

Building Construction	Welders	1	8.00	46	0.45
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	15.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0224	0.2088	0.1971	3.9000e-004		9.6000e-003	9.6000e-003		8.9200e-003	8.9200e-003	0.0000	33.9961	33.9961	9.5100e-003	0.0000	34.2338
Total	0.0224	0.2088	0.1971	3.9000e-004		9.6000e-003	9.6000e-003		8.9200e-003	8.9200e-003	0.0000	33.9961	33.9961	9.5100e-003	0.0000	34.2338

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3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.8000e-004	3.4500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9468	0.9468	3.0000e-005	3.0000e-005	0.9552
Total	4.3000e-004	2.8000e-004	3.4500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9468	0.9468	3.0000e-005	3.0000e-005	0.9552

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0224	0.2088	0.1971	3.9000e-004		9.6000e-003	9.6000e-003		8.9200e-003	8.9200e-003	0.0000	33.9960	33.9960	9.5100e-003	0.0000	34.2338
Total	0.0224	0.2088	0.1971	3.9000e-004		9.6000e-003	9.6000e-003		8.9200e-003	8.9200e-003	0.0000	33.9960	33.9960	9.5100e-003	0.0000	34.2338

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3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.8000e-004	3.4500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9468	0.9468	3.0000e-005	3.0000e-005	0.9552
Total	4.3000e-004	2.8000e-004	3.4500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9468	0.9468	3.0000e-005	3.0000e-005	0.9552

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1359	0.0917	1.9000e-004		6.1500e-003	6.1500e-003		5.6600e-003	5.6600e-003	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638
Total	0.0133	0.1359	0.0917	1.9000e-004	0.0983	6.1500e-003	0.1044	0.0505	5.6600e-003	0.0562	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638

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

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	2.0700e-003	1.0000e-005	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5681	0.5681	2.0000e-005	2.0000e-005	0.5731
Total	2.6000e-004	1.7000e-004	2.0700e-003	1.0000e-005	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5681	0.5681	2.0000e-005	2.0000e-005	0.5731

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1359	0.0917	1.9000e-004		6.1500e-003	6.1500e-003		5.6500e-003	5.6500e-003	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638
Total	0.0133	0.1359	0.0917	1.9000e-004	0.0983	6.1500e-003	0.1044	0.0505	5.6500e-003	0.0562	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638

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3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	2.0700e-003	1.0000e-005	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5681	0.5681	2.0000e-005	2.0000e-005	0.5731
Total	2.6000e-004	1.7000e-004	2.0700e-003	1.0000e-005	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5681	0.5681	2.0000e-005	2.0000e-005	0.5731

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0166	0.1703	0.1476	3.0000e-004		7.2400e-003	7.2400e-003		6.6600e-003	6.6600e-003	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2747
Total	0.0166	0.1703	0.1476	3.0000e-004	0.0708	7.2400e-003	0.0781	0.0343	6.6600e-003	0.0409	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2747

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3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.8000e-004	3.4500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9468	0.9468	3.0000e-005	3.0000e-005	0.9552
Total	4.3000e-004	2.8000e-004	3.4500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9468	0.9468	3.0000e-005	3.0000e-005	0.9552

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0166	0.1703	0.1476	3.0000e-004		7.2400e-003	7.2400e-003		6.6600e-003	6.6600e-003	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2746
Total	0.0166	0.1703	0.1476	3.0000e-004	0.0708	7.2400e-003	0.0781	0.0343	6.6600e-003	0.0409	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2746

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3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.8000e-004	3.4500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9468	0.9468	3.0000e-005	3.0000e-005	0.9552
Total	4.3000e-004	2.8000e-004	3.4500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9468	0.9468	3.0000e-005	3.0000e-005	0.9552

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1560	1.4250	1.7137	2.8600e-003		0.0650	0.0650		0.0612	0.0612	0.0000	245.7601	245.7601	0.0581	0.0000	247.2129
Total	0.1560	1.4250	1.7137	2.8600e-003		0.0650	0.0650		0.0612	0.0612	0.0000	245.7601	245.7601	0.0581	0.0000	247.2129

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3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-004	0.0188	5.6000e-003	8.0000e-005	2.8100e-003	1.2000e-004	2.9300e-003	8.1000e-004	1.2000e-004	9.3000e-004	0.0000	8.0657	8.0657	3.0000e-005	1.2100e-003	8.4259
Worker	4.6000e-003	2.9500e-003	0.0366	1.1000e-004	0.0127	6.0000e-005	0.0128	3.3800e-003	6.0000e-005	3.4400e-003	0.0000	10.0357	10.0357	2.9000e-004	2.8000e-004	10.1253
Total	5.0600e-003	0.0217	0.0422	1.9000e-004	0.0155	1.8000e-004	0.0157	4.1900e-003	1.8000e-004	4.3700e-003	0.0000	18.1013	18.1013	3.2000e-004	1.4900e-003	18.5512

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1560	1.4250	1.7137	2.8600e-003		0.0650	0.0650		0.0612	0.0612	0.0000	245.7598	245.7598	0.0581	0.0000	247.2126
Total	0.1560	1.4250	1.7137	2.8600e-003		0.0650	0.0650		0.0612	0.0612	0.0000	245.7598	245.7598	0.0581	0.0000	247.2126

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3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-004	0.0188	5.6000e-003	8.0000e-005	2.8100e-003	1.2000e-004	2.9300e-003	8.1000e-004	1.2000e-004	9.3000e-004	0.0000	8.0657	8.0657	3.0000e-005	1.2100e-003	8.4259
Worker	4.6000e-003	2.9500e-003	0.0366	1.1000e-004	0.0127	6.0000e-005	0.0128	3.3800e-003	6.0000e-005	3.4400e-003	0.0000	10.0357	10.0357	2.9000e-004	2.8000e-004	10.1253
Total	5.0600e-003	0.0217	0.0422	1.9000e-004	0.0155	1.8000e-004	0.0157	4.1900e-003	1.8000e-004	4.3700e-003	0.0000	18.1013	18.1013	3.2000e-004	1.4900e-003	18.5512

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0123	0.1122	0.1448	2.4000e-004		4.7500e-003	4.7500e-003		4.4700e-003	4.4700e-003	0.0000	20.8728	20.8728	4.9100e-003	0.0000	20.9954
Total	0.0123	0.1122	0.1448	2.4000e-004		4.7500e-003	4.7500e-003		4.4700e-003	4.4700e-003	0.0000	20.8728	20.8728	4.9100e-003	0.0000	20.9954

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3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.5900e-003	4.7000e-004	1.0000e-005	2.4000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.6724	0.6724	0.0000	1.0000e-004	0.7024
Worker	3.6000e-004	2.2000e-004	2.8800e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0800e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.8314	0.8314	2.0000e-005	2.0000e-005	0.8385
Total	4.0000e-004	1.8100e-003	3.3500e-003	2.0000e-005	1.3200e-003	2.0000e-005	1.3300e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.5038	1.5038	2.0000e-005	1.2000e-004	1.5408

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0123	0.1122	0.1448	2.4000e-004		4.7500e-003	4.7500e-003		4.4700e-003	4.4700e-003	0.0000	20.8727	20.8727	4.9100e-003	0.0000	20.9954
Total	0.0123	0.1122	0.1448	2.4000e-004		4.7500e-003	4.7500e-003		4.4700e-003	4.4700e-003	0.0000	20.8727	20.8727	4.9100e-003	0.0000	20.9954

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3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.5900e-003	4.7000e-004	1.0000e-005	2.4000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.6724	0.6724	0.0000	1.0000e-004	0.7024
Worker	3.6000e-004	2.2000e-004	2.8800e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0800e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.8314	0.8314	2.0000e-005	2.0000e-005	0.8385
Total	4.0000e-004	1.8100e-003	3.3500e-003	2.0000e-005	1.3200e-003	2.0000e-005	1.3300e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.5038	1.5038	2.0000e-005	1.2000e-004	1.5408

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811

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3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.5000e-004	3.2000e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9238	0.9238	2.0000e-005	2.0000e-005	0.9316
Total	4.0000e-004	2.5000e-004	3.2000e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9238	0.9238	2.0000e-005	2.0000e-005	0.9316

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811

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3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.5000e-004	3.2000e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9238	0.9238	2.0000e-005	2.0000e-005	0.9316
Total	4.0000e-004	2.5000e-004	3.2000e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9238	0.9238	2.0000e-005	2.0000e-005	0.9316

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7096					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567
Total	0.7113	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567

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3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	5.0000e-005	6.4000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1848	0.1848	0.0000	0.0000	0.1863
Total	8.0000e-005	5.0000e-005	6.4000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1848	0.1848	0.0000	0.0000	0.1863

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7096					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567
Total	0.7113	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567

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3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	5.0000e-005	6.4000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1848	0.1848	0.0000	0.0000	0.1863
Total	8.0000e-005	5.0000e-005	6.4000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1848	0.1848	0.0000	0.0000	0.1863

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1879	0.3357	1.7712	4.3000e-003	0.4259	3.8500e-003	0.4298	0.1140	3.6100e-003	0.1176	0.0000	407.0529	407.0529	0.0207	0.0224	414.2513
Unmitigated	0.1879	0.3357	1.7712	4.3000e-003	0.4259	3.8500e-003	0.4298	0.1140	3.6100e-003	0.1176	0.0000	407.0529	407.0529	0.0207	0.0224	414.2513

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	396.48	400.68	359.10	1,135,191	1,135,191
Total	396.48	400.68	359.10	1,135,191	1,135,191

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	45.60	19.00	35.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.517111	0.052324	0.170980	0.155671	0.027786	0.007423	0.013424	0.026160	0.000649	0.000313	0.023324	0.001439	0.003395

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	5.3800e-003	0.0460	0.0196	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2596	53.2596	1.0200e-003	9.8000e-004	53.5761
NaturalGas Unmitigated	5.3800e-003	0.0460	0.0196	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2596	53.2596	1.0200e-003	9.8000e-004	53.5761

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

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5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use		tons/yr															MT/yr																					
NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e																						
998047	5.3800e-003	0.0460	0.0196	2.9000e-004	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	0.0000	53.2596	53.2596	1.0200e-003	9.8000e-004	53.5761	Single Family Housing	998047	5.3800e-003	0.0460	0.0196	2.9000e-004	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	0.0000	53.2596	53.2596	1.0200e-003	9.8000e-004	53.5761	Total				

Mitigated

Land Use		tons/yr															MT/yr																					
NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e																						
998047	5.3800e-003	0.0460	0.0196	2.9000e-004	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	0.0000	53.2596	53.2596	1.0200e-003	9.8000e-004	53.5761	Single Family Housing	998047	5.3800e-003	0.0460	0.0196	2.9000e-004	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	3.7200e-003	0.0000	53.2596	53.2596	1.0200e-003	9.8000e-004	53.5761	Total				

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5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	MT/yr			
Single Family Housing	333436	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	MT/yr			
Single Family Housing	333436	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3774	0.0193	0.3182	1.2000e-004		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003	0.0000	18.7041	18.7041	8.4000e-004	3.3000e-004	18.8244
Unmitigated	0.3774	0.0193	0.3182	1.2000e-004		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003	0.0000	18.7041	18.7041	8.4000e-004	3.3000e-004	18.8244

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0710					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2953					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.8400e-003	0.0157	6.6900e-003	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1947	18.1947	3.5000e-004	3.3000e-004	18.3028
Landscaping	9.3500e-003	3.5900e-003	0.3116	2.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5216
Total	0.3774	0.0193	0.3183	1.2000e-004		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003	0.0000	18.7041	18.7041	8.4000e-004	3.3000e-004	18.8244

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0710					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2953					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.8400e-003	0.0157	6.6900e-003	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1947	18.1947	3.5000e-004	3.3000e-004	18.3028
Landscaping	9.3500e-003	3.5900e-003	0.3116	2.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5216
Total	0.3774	0.0193	0.3183	1.2000e-004		3.0000e-003	3.0000e-003		3.0000e-003	3.0000e-003	0.0000	18.7041	18.7041	8.4000e-004	3.3000e-004	18.8244

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.8682	0.0892	2.1100e-003	3.7248
Unmitigated	0.8682	0.0892	2.1100e-003	3.7248

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2.73647 / 1.72517	0.8682	0.0892	2.1100e-003	3.7248
Total		0.8682	0.0892	2.1100e-003	3.7248

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2.73647 / 1.72517	0.8682	0.0892	2.1100e-003	3.7248
Total		0.8682	0.0892	2.1100e-003	3.7248

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.1577	0.6003	0.0000	25.1652
Unmitigated	10.1577	0.6003	0.0000	25.1652

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

8.2 Waste by Land Use

Unmitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
tons	MT/yr			
50.04	10.1577	0.6003	0.0000	25.1652
Single Family Housing				
Total	10.1577	0.6003	0.0000	25.1652

Mitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
tons	MT/yr			
50.04	10.1577	0.6003	0.0000	25.1652
Single Family Housing				
Total	10.1577	0.6003	0.0000	25.1652

9.0 Operational Offroad

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

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Appendix B

Biological Resource Evaluation Report



Biological Resource Evaluation

May 2024

Madera Single-Family Residential Development Project

Madera County, CA

Prepared for:

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Executive Summary

The project applicant proposes to construct a single-family residential development (the Project) north of Madera in Madera County, California. The proposed residential development project will involve construction on approximately 10.9 acres that currently supports a disced field with ruderal vegetation, scattered ornamental trees, and two rural residences.

To evaluate whether the Project may affect biological resources under California Environmental Quality Act (CEQA) purview, we (1) obtained lists of special-status species from the United States Fish and Wildlife Service, the California Department of Fish and Wildlife, and the California Native Plant Society; (2) reviewed other relevant background information such as satellite imagery and topographic maps; and (3) conducted a field reconnaissance survey at the Project site.

This biological resource evaluation summarizes (1) existing biological conditions on the Project site, (2) the potential for special-status species and regulated habitats to occur on or near the Project site, (3) the potential impacts of the proposed Project on biological resources and regulated habitats, and (4) measures to reduce those potential impacts to less-than-significant levels under CEQA.

We concluded the Project could affect the state listed as threatened Swainson's hawk (*Buteo swainsoni*) and nesting migratory birds. However, effects can be reduced to less-than-significant levels with mitigation.



Abbreviations

Abbreviation	Definition
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CESA	California Endangered Species Act
CEQA	California Environmental Quality Act
CFGF	California Fish and Game Code
CFR	Code of Federal Regulations
CNDDDB	California Natural Diversity Data Base
CNPS	California Native Plant Society
CRPR	California Rare Plant Rank
FE	Federally listed as Endangered
FC	Federal Candidate for listing under the FESA
FESA	Federal Endangered Species Act
FP	State Fully Protected
FPT	Federally proposed as Threatened
FT	Federally listed as Threatened
MBTA	Migratory Bird Treaty Act
NRCS	Natural Resources Conservation Service
SC	State Candidate for listing under the CESA
SE	State listed as Endangered
SR	State Rare
SSSC	State Species of Special Concern
ST	State listed as Threatened
SWRCB	State Water Resources Control Board
USACE	United States Army Corps of Engineers
USC	United States Code
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey



1.0 Introduction

1.1 Background

The applicant proposes to construct a single-family residential development (the Project) on approximately 10.9 acres north of Madera, Madera County, California. The Project site currently supports a disced field with ruderal vegetation, scattered nonnative trees, and two rural residences.

The purpose of this biological resource evaluation is to assess whether the Project will affect protected biological resources pursuant to California Environmental Quality Act (CEQA) guidelines. Such resources include species of plants or animals listed or proposed for listing under the Federal Endangered Species Act (FESA) or the California Endangered Species Act (CESA) as well as those covered under the Migratory Bird Treaty Act (MBTA), the California Native Plant Protection Act, and various other sections of California Fish and Game Code (CFGC). This biological resource evaluation also addresses Project-related impacts to regulated habitats, which are those under the jurisdiction of the United States Army Corps of Engineers (USACE), State Water Resources Control Board (SWRCB), or California Department of Fish and Wildlife (CDFW).

1.2 Project Description

This Project will involve constructing a 42-unit single-family subdivision on 10.9 acres.

1.3 Project Location

The 10.9-acre Project site is northeast of the intersection of North D Street and Adell Street north of Madera, Madera County, California (Figures 1 and 2).

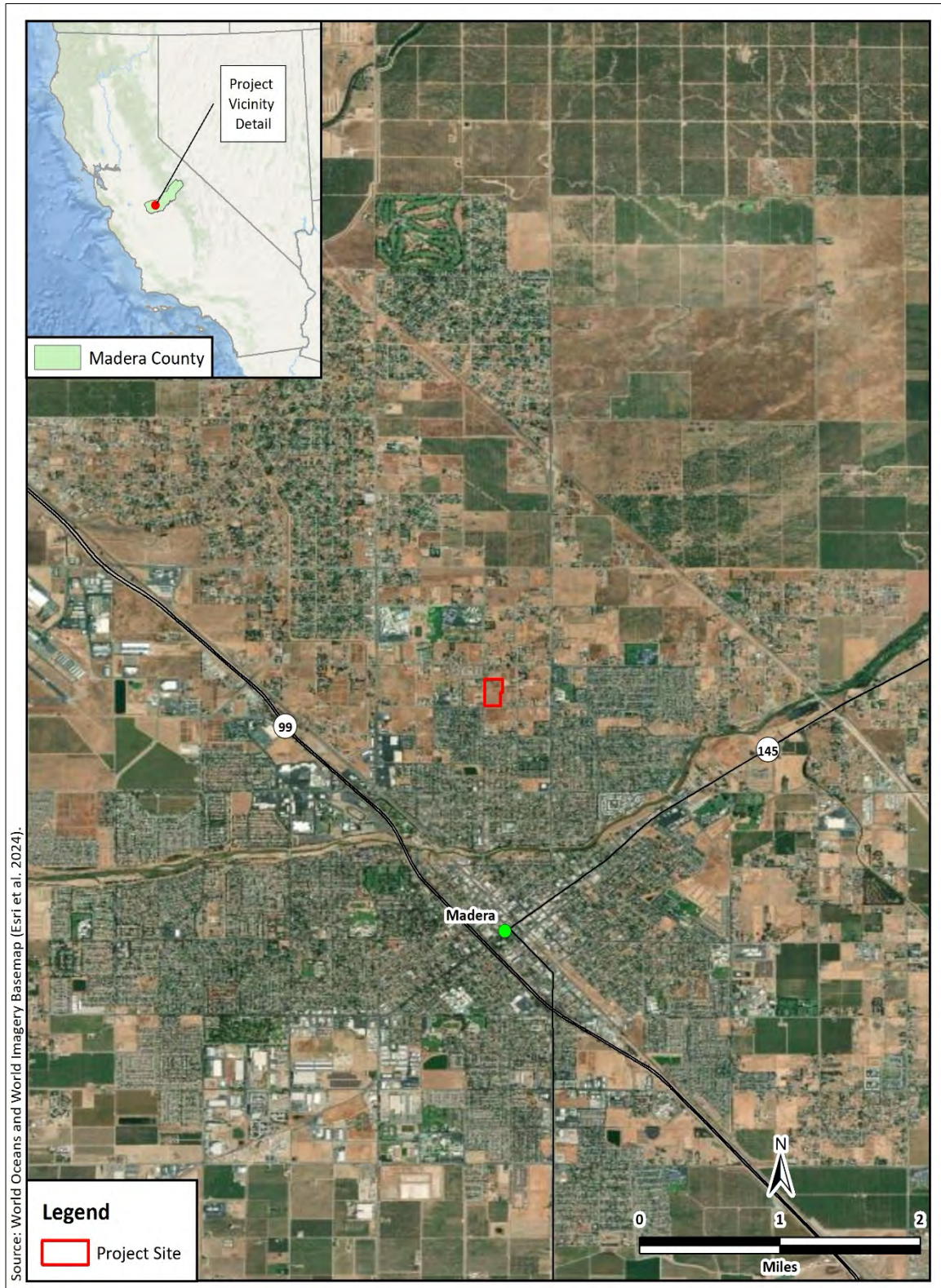


Figure 1. Project site vicinity map.



Figure 2. Project site map.



1.4 Regulatory Framework

The relevant regulatory requirements and policies that guide the impact analysis of the Project are summarized below.

1.4.1 State Requirements

California Department of Fish and Wildlife Jurisdiction. The CDFW has regulatory jurisdiction over lakes and streams in California. Activities that divert or obstruct the natural flow of a stream; substantially change its bed, channel, or bank; or use any materials (including vegetation) from the streambed may require that the project applicant enter into a Lake and Streambed Alteration Agreement with the CDFW in accordance with California Fish and Game Code [CFGF] Section 1602.

California Endangered Species Act. The CESA of 1970 (CFGF Section 2050 et seq. and California Code of Regulations (CCR) Title 14, Subsection 670.2, 670.51) prohibits the take of species listed under CESA (14 CCR Subsection 670.2, 670.5). Take is defined as hunt, pursue, catch, capture, or kill or attempt to hunt, pursue, catch, capture, or kill. Under CESA, state agencies are required to consult with the CDFW when preparing CEQA documents. Consultation ensures that proposed projects or actions do not adversely affect state listed species. During consultation, CDFW determines whether take would occur and identifies “reasonable and prudent alternatives” for the project and conservation of special-status species. CDFW can authorize take of state listed species under Sections 2080.1 and 2081(b) of the CFGF in those cases where it is demonstrated the impacts are minimized and mitigated. Take authorized under section 2081(b) must be minimized and fully mitigated. A CESA permit must be obtained if a project will result in take of listed species, either during construction or over the life of the project. Under CESA, CDFW is responsible for maintaining a list of threatened and endangered species designated under state law (CFGF Section 2070). CDFW also maintains lists of species of special concern, which serve as “watch lists.” Pursuant to the requirements of CESA, a state or local agency reviewing a proposed project within its jurisdiction must determine whether the proposed project will have a potentially significant impact upon such species. Project-related impacts to species on the CESA list would be considered significant and would require mitigation. Impacts to species of concern or fully protected species would be considered significant under certain circumstances.

California Environmental Quality Act. The California Environmental Quality Act (CEQA) of 1970 (Subsections 21000–21178) requires that CDFW be consulted



during the CEQA review process regarding impacts of proposed projects on special-status species. Special-status species are defined under CEQA Guidelines subsection 15380(b) and (d) as those listed under FESA and CESA and species that are not currently protected by statute or regulation but would be considered rare, threatened, or endangered under these criteria or by the scientific community. Therefore, species considered rare or endangered are addressed in this biological resource evaluation regardless of whether they are afforded protection through any other statute or regulation. The California Native Plant Society (CNPS) inventories the native flora of California and ranks species according to rarity (CNPS 2024). Plants with Rare Plant Ranks 1A, 1B, 2A, or 2B are considered special-status species under CEQA.

Although threatened and endangered species are protected by specific federal and state statutes, CEQA Guidelines Section 15380(d) provides that a species not listed on the federal or state list of protected species may be considered rare or endangered if it can be shown to meet certain specified criteria. These criteria have been modeled after the definition in the FESA and the section of the CFGC dealing with rare and endangered plants and animals. Section 15380(d) allows a public agency to undertake a review to determine if a significant effect on species that have not yet been listed by either the United States Fish and Wildlife Service (USFWS) or CDFW (i.e., candidate species) would occur. Thus, CEQA provides an agency with the ability to protect a species from the potential impacts of a project until the respective government agency has an opportunity to designate the species as protected, if warranted.

California Native Plant Protection Act. The California Native Plant Protection Act of 1977 (CFGC Sections 1900–1913) requires all state agencies to use their authority to carry out programs to conserve endangered and otherwise rare species of native plants. Provisions of the act prohibit the taking of listed plants from the wild and require the project proponent to notify CDFW at least 10 days in advance of any change in land use, which allows CDFW to salvage listed plants that would otherwise be destroyed.

Nesting birds. CFGC Sections 3503, 3503.5, and 3800 prohibit the possession, incidental take, or needless destruction of birds, their nests, and eggs. CFGC Section 3511 lists birds that are “Fully Protected” as those that may not be taken or possessed except under specific permit.

Porter-Cologne Water Quality Control Act. The Porter-Cologne Water Quality Control Act (California Water Code *Section* 13000 et. sec.) was established in 1969 and entrusts the SWRCB and nine Regional Water Quality Control Boards (collectively Water Boards) with the responsibility to preserve and enhance all



beneficial uses of California’s diverse waters. The Act grants the Water Boards authority to establish water quality objectives and regulate point- and nonpoint-source pollution discharge to the state’s surface and ground waters. Under the auspices of the United States Environmental Protection Agency, the Water Boards are responsible for certifying, under Section 401 of the federal Clean Water Act, that activities affecting waters of the United States comply with California water quality standards. The Porter-Cologne Water Quality Control Act addresses all “waters of the State,” which are more broadly defined than waters of the United States. Waters of the State include any surface water or groundwater, including saline waters, within the boundaries of the state. They include artificial as well as natural water bodies and federally jurisdictional and federally non-jurisdictional waters. The Water Boards may issue a Waste Discharge Requirement permit for projects that will affect only federally non-jurisdictional waters of the State.

1.4.2 Federal Requirements

Federal Endangered Species Act. The USFWS and the National Oceanographic and Atmospheric Administration’s National Marine Fisheries Service enforce the provisions stipulated in the FESA of 1973 (FESA, 16 United States Code [USC] Section 1531 et seq.). Threatened and endangered species on the federal list (50 Code of Federal Regulations [CFR] 17.11 and 17.12) are protected from take unless a Section 10 permit is granted to an entity other than a federal agency or a Biological Opinion with incidental take provisions is rendered to a federal lead agency via a Section 7 consultation. Take is defined as harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect or attempt to engage in any such conduct. Pursuant to the requirements of the FESA, an agency reviewing a proposed action within its jurisdiction must determine whether any federally listed species may be present in the proposed action area and determine whether the proposed action may affect such species. Under the FESA, habitat loss is considered an effect to a species. In addition, the agency is required to determine whether the proposed action is likely to jeopardize the continued existence of any species that is listed or proposed for listing under the FESA (16 USC Section 1536[3], [4]). Therefore, proposed action-related effects to these species or their habitats would be considered significant and would require mitigation.

Migratory Bird Treaty Act. The federal MBTA (16 USC Section 703, Supp. I, 1989) prohibits killing, possessing, trading, or other forms of take of migratory birds except in accordance with regulations prescribed by the Secretary of the Interior. “Take” is defined as the pursuing, hunting, shooting, capturing, collecting, or killing of birds, their nests, eggs, or young (16 USC Section 703 and Section 715n).



This act encompasses whole birds, parts of birds, and bird nests and eggs. The MBTA specifically protects migratory bird nests from possession, sale, purchase, barter transport, import, and export, and take. For nests, the definition of take per 50 CFR 10.12 is to collect. The MBTA does not include a definition of an “active nest.” However, the “Migratory Bird Permit Memorandum” issued by the USFWS in 2003 and updated in 2018 clarifies the MBTA in that regard and states that the removal of nests, without eggs or birds, is legal under the MBTA, provided no possession (which is interpreted as holding the nest with the intent of retaining it) occurs during the destruction (USFWS 2018).

United States Army Corps of Engineers Jurisdiction. Areas meeting the regulatory definition of “waters of the United States” (jurisdictional waters) are subject to the jurisdiction of the USACE under provisions of Section 404 of the Clean Water Act (1972) and Section 10 of the Rivers and Harbors Act (1899). These waters may include all waters used, or potentially used, for interstate commerce, including all waters subject to the ebb and flow of the tide, the territorial seas, all interstate waters, all impoundments of waters otherwise defined as waters of the United States, tributaries of waters otherwise defined as waters of the United States that are relatively permanent, standing, or continuously flowing bodies of water, and relatively permanent, standing or continuously flowing bodies of water with a continuous surface connection to waters of the United States (33 CFR part 328.3). Waters of the United States do not include prior converted cropland, waste treatment systems, ditches, artificially irrigated areas, artificial lakes or ponds, artificial reflecting pools or swimming pools, waterfilled depressions, and swales and erosional features. Under the 2006 Supreme Court ruling *Rapanos v. United States*, waters of the United States include non-navigable tributaries of traditional navigable waters that are relatively permanent. The 2023 Supreme Court ruling *Sackett v. Environmental Protection Agency* removed the significant nexus standard for tributaries and adjacent waters of the United States and requires tributaries and adjacent waters to have a continuous surface connection to a water of the United States. Wetlands on non-agricultural lands are identified using the *Corps of Engineers Wetlands Delineation Manual and related Regional Supplement* (USACE 1987 and 2008). Construction activities, including direct removal, filling, hydrologic disruption, or other means in jurisdictional waters are regulated by the USACE. The placement of dredged or fill material into such waters must comply with permit requirements of the USACE. No USACE permit will be effective in the absence of state water quality certification pursuant to Section 401 of the Clean Water Act. The State Water Resources Control Board is the state agency, together with the Regional Water Quality Control Boards, charged with implementing water quality certification in California.



2.0 Methods

2.1 Desktop Review

As a framework for the evaluation and reconnaissance survey, we obtained an official USFWS species list for the Project (USFWS 2024a, Appendix A). In addition, we searched the California Natural Diversity Database (CNDDDB, CDFW 2024, Appendix B) and the CNPS Inventory of Rare and Endangered Plants (CNPS 2024, Appendix C) for records of special-status plant and animal species from the vicinity of the Project site. Regional lists of special-status species were compiled using CNDDDB and CNPS database searches confined to the Madera 7.5-minute United States Geological Survey (USGS) topographic quadrangle, which encompasses the Project site, and the eight surrounding quadrangles (Berenda, Biola, Bonita Ranch, Daulton, Gravelly Ford, Gregg, Herndon, and Kismet). A local list of special-status species was compiled using CNDDDB records from within 5 miles of the Project site. Species that lacked a CEQA-recognized special-status designation by state or federal regulatory agencies or public interest groups were omitted from the final list. Species for which the Project site does not provide habitat were eliminated from further consideration. We also reviewed satellite imagery from Google Earth (Google 2024) and other sources, USGS topographic maps, the Web Soil Survey (NRCS 2024), the National Wetlands Inventory (USFWS 2024b), and relevant literature.

2.2 Reconnaissance Survey

Colibri Senior Technical Specialist Norman Sisk conducted a field reconnaissance survey at the Project site on 3 May 2024. The Project site and a 50-foot buffer (Figure 3) surrounding the Project site were walked and thoroughly inspected to evaluate and document the potential for the area to support state or federally protected resources. All plants except those under cultivation or planted in residential areas and all vertebrate wildlife species observed within the survey area were identified and documented. The survey area was evaluated for the presence of regulated habitats, including lakes, streams, and other waters as defined by the USACE, CDFW, and under the Porter-Cologne Water Quality Control Act. An additional buffer of 0.5 miles around the Project site was inspected for potential nesting habitat for special-status raptors. The 0.5-mile buffer was surveyed by driving public roads and identifying the presence of large trees or other potentially suitable substrates for nesting raptors as well as open areas that could provide foraging habitat.



2.3 Significance Criteria

CEQA defines “significant effect on the environment” as “a substantial, or potentially substantial, adverse change in the environment” (California Public Resource Code § 21068). Under CEQA Guidelines Section 15065, a Project’s effects on biological resources are deemed significant where the Project would do the following:

- a) Substantially reduce the habitat of a fish or wildlife species,
- b) Cause a fish or wildlife population to drop below self-sustaining levels,
- c) Threaten to eliminate a plant or animal community, or
- d) Substantially reduce the number or restrict the range of a rare or endangered plant or animal.

In addition to the Section 15065 criteria, Appendix E within the CEQA Guidelines includes six additional impacts to consider when analyzing the effects of a project. Under Appendix E, a project’s effects on biological resources are deemed significant where the project would do any of the following:

- e) 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;
- f) 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 CDFW or USFWS;
- g) 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;
- h) 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;
- i) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; or
- j) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.



These criteria were used to determine whether the potential effects of the Project on biological resources qualify as significant.

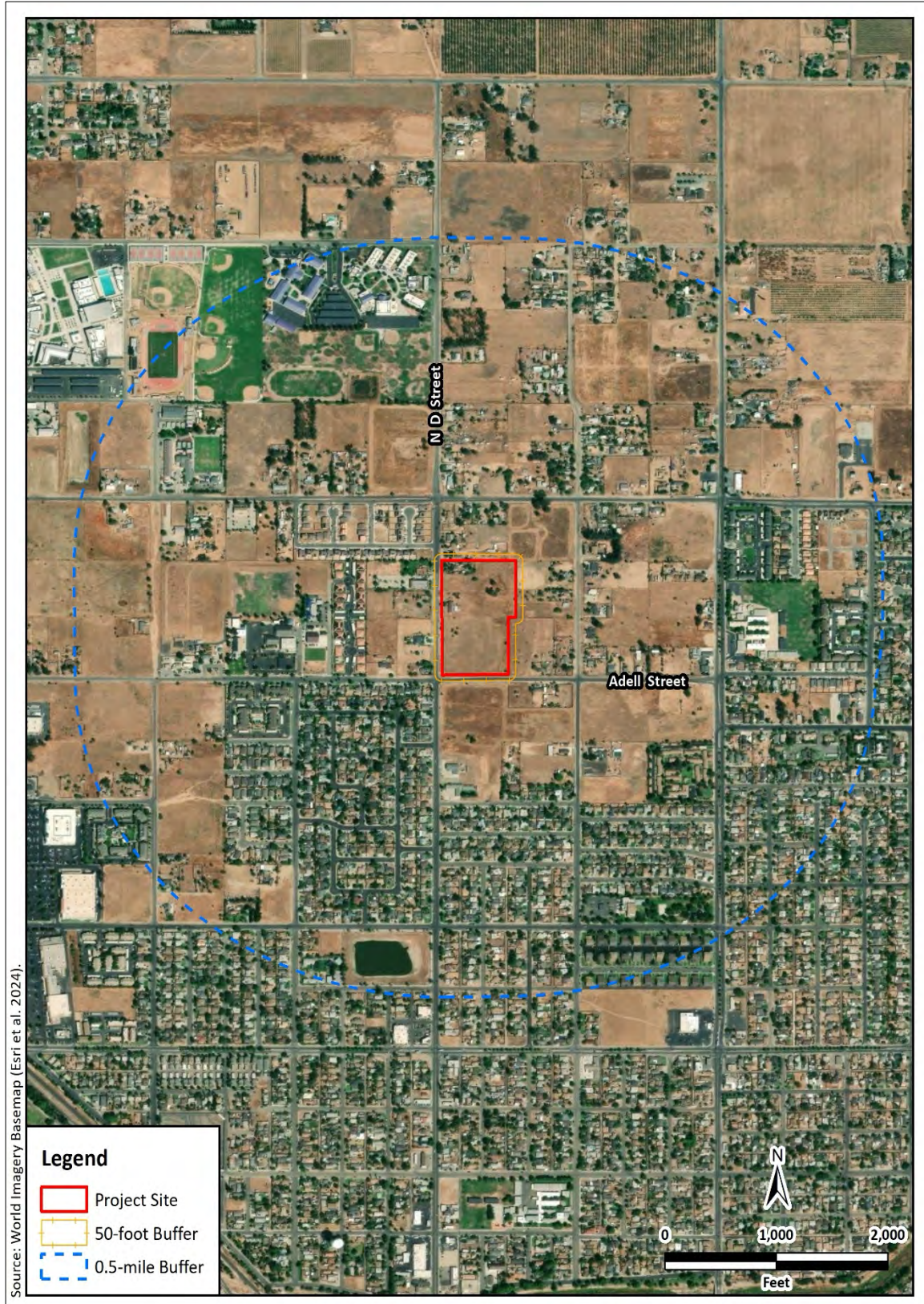


Figure 3. Reconnaissance survey area map.



3.0 Results

3.1 Desktop Review

The USFWS species list for the Project included 11 species listed as threatened, endangered, or proposed for listing under the FESA (USFWS 2024a, Table 1, Appendix A). None of those species could occur on or near the Project site due to the lack of habitat or because the Project site is outside the known range of the species (Table 1). As stated in the species list, the Project site occurs outside any proposed or designated USFWS critical habitat (USFWS 2024a, Appendix A).

Searching the CNDDDB for records of special-status species from the Madera 7.5-minute USGS topographic quadrangle and the eight surrounding quadrangles produced 217 records of 35 species (Table 1, Appendix B). Of those 35 species, 7 were not considered further because they are not CEQA-recognized as special-status species by state or federal regulatory agencies or public interest groups or are considered extirpated in California (Appendix B). Of the remaining 28 species, 11 are known from within 5 miles of the Project site (Table 1, Figure 4). Of those species, only the state listed as threatened Swainson's hawk (*Buteo swainsoni*) could occur on or near the Project site (Table 1). None of the other species identified in the nine-quad search could occur on or near the Project site (Table 1).

Searching the CNPS inventory of rare and endangered plants of California yielded 17 species (CNPS 2024, Appendix C), 16 of which have a CRPR of 1 or 2 and four of which are also state and federally listed (Table 1). Of those 16 plant species, none could occur on or near the Project site (Table 1).

The Project site is underlain by San Joaquin sandy loam, 0 to 3 percent slopes and Cometa sandy loam, 0 to 8 percent slopes (NCRS 2024). The Project site has little topographic relief and is at an elevation of 275–284 feet above mean sea level (Google 2024).



Table 1. Special-status species, their listing status, habitats, and potential to occur on or near the Project site.

Species	Status ¹	Habitat	Potential to Occur ²
Federally and State-Listed Endangered or Threatened Species			
Greene’s tuctoria ³ (<i>Tuctoria greenei</i>)	FE, SR, 1B.1	Vernal pools in open grasslands below 3445 feet elevation.	None. No vernal pool habitat is present on the Project site.
Hairy Orcutt grass ³ (<i>Orcuttia pilosa</i>)	FE, SE, 1B.1	Vernal pools below 650 feet elevation.	None. No vernal pool habitat is present on the Project site.
San Joaquin Valley Orcutt grass ³ (<i>Orcuttia inaequalis</i>)	FT, SE, 1B.1	Vernal pools at or below 2700 feet elevation.	None. No vernal pool habitat is present on the Project site.
Succulent owl’s clover (<i>Castilleja campestris</i> var. <i>succulenta</i>)	FT, SE, 1B.2	Vernal pools with heavy clay soils at or below 2500 feet elevation.	None. No vernal pool habitat is present on the Project site.
Monarch California overwintering population (<i>Danaus plexippus</i>)	FC	Groves of trees within 1.5 miles of the ocean that produce suitable micro-climates for overwintering such as high humidity, dappled sunlight, access to water and nectar, and protection from wind.	None. Habitat lacking; the Project site is not within 1.5 miles of the ocean.
Valley elderberry longhorn beetle (<i>Desmocerus californicus dimorphus</i>)	FT	Elderberry (<i>Sambucus</i> sp.) plants having basal stem diameter greater than 1” at ground level.	None. No elderberry shrubs were found in the survey area.



Species	Status ¹	Habitat	Potential to Occur ²
Vernal pool fairy shrimp ³ (<i>Branchinecta lynchi</i>)	FT	Vernal pools; some artificial depressions, ditches, stock ponds, vernal swales, ephemeral drainages, and seasonal wetlands.	None. Habitat lacking; no vernal pool or other aquatic habitat was present on the Project site.
California tiger salamander ³ (<i>Ambystoma californiense</i>)	FT, ST	Vernal pools or seasonal ponds for breeding; small mammal burrows for upland refugia in natural grasslands.	None. Habitat lacking; the Project site is not within the 1.5-mile dispersal distance of potential breeding pools; it also lacked natural grasslands and small mammal burrows.
Western spadefoot ³ (<i>Spea hammondi</i>)	FPT, SSSC	Open areas with sandy or gravelly soil that allow rain pools to gather for breeding.	None. Habitat lacking; no vernal pool or other aquatic habitat was present on or near the Project site.
Blunt-nosed leopard lizard (<i>Gambelia sila</i>)	FE, SE, FP	Upland scrub and sparsely vegetated grassland with small mammal burrows.	None. Habitat lacking; the Project site is outside the current known range of this species.
Northwestern pond turtle (<i>Actinemys marmorata</i>)	FPT, SSSC	Ponds, rivers, marshes, streams, and irrigation ditches, usually with aquatic vegetation. Basking sites and suitable upland areas for egg laying.	None. Habitat lacking; the project site and surrounding areas lacked the aquatic habitat this species requires.



Species	Status ¹	Habitat	Potential to Occur ²
Swainson’s hawk ³ (<i>Buteo swainsoni</i>)	ST	Large trees for nesting with adjacent grasslands, alfalfa fields, or grain fields for foraging.	Low. Potential nest trees with nearby foraging habitat were present within the 0.5-mile survey area. However, residential development limits habitat quality.
Tricolored blackbird (<i>Agelaius tricolor</i>)	ST, SSSC	Freshwater emergent wetlands, some agricultural fields, grassland, and silage fields near dairies.	None. Habitat lacking; the Project site supported ruderal vegetation and rural residences.
Fresno kangaroo rat (<i>Dipodomys nitratoides exilis</i>)	FE, SE	Sandy, alkaline, saline, and clay-based soils in upland scrub and grassland.	None. Habitat lacking; the Project site is outside the current known range of this species.
San Joaquin kit fox (<i>Vulpes macrotis mutica</i>)	FE, ST	Grassland and upland scrub and fallowed agricultural lands adjacent to natural grasslands or upland scrub.	None. Habitat lacking; the Project site is outside the current known range of this species.
State Species of Special Concern			
Coast horned lizard (<i>Phrynosoma blainvillii</i>)	SSSC	Open, generally sandy areas, washes, and flood plains in a variety of habitats.	None. Habitat lacking; Project site lacked open sandy areas washes, and flood plains.



Species	Status ¹	Habitat	Potential to Occur ²
Burrowing owl ³ (<i>Athene cunicularia</i>)	SSSC	Grassland and upland scrub with friable soil; some agricultural or other developed and disturbed areas with ground squirrel burrows.	None. Habitat lacking; the Project site lacked ground squirrel burrows or burrow surrogates.
American badger (<i>Taxidea taxus</i>)	SSSC	Variable. Open, dry areas with friable soils and small mammal populations in grassland, conifer forest, and desert.	None. Habitat lacking; the small size of the Project site and adjacent undeveloped areas preclude occupation by this species.
California Rare Plants			
Alkali sink goldfields (<i>Lasthenia chrysantha</i>)	1B.1	Vernal pools and wet saline flats below 320 feet elevation.	None. Habitat lacking; no vernal pool or wet saline flat habitats were present on the Project site.
California alkali grass (<i>Puccinellia simplex</i>)	1B.2	Saline flats and mineral springs below 3000 feet elevation.	None. Habitat lacking; the Project site lacked saline flats and mineral springs. No CNDDDB occurrences within 5 miles of the Project site.
Heartscale (<i>Atriplex cordulata</i> var. <i>cordulata</i>)	1B.2	Saline or alkaline soils in grassland, meadows and seeps, and chenopod scrub communities below 230 feet elevation.	None. Habitat lacking; the Project site lacked saline or alkaline soils. No CNDDDB occurrences within 5 miles of the Project site.



Species	Status ¹	Habitat	Potential to Occur ²
Lesser saltscale (<i>Atriplex minuscula</i>)	1B.1	Sandy, alkaline soils in chenopod scrub, playa, and grassland in the San Joaquin Valley below 328 feet elevation.	None. Habitat lacking; the Project site lacked sandy, alkaline soils. No CNDDDB occurrences within 5 miles of the Project site.
Madera leptosiphon ³ (<i>Leptosiphon serrulatus</i>)	1B.2	Openings in chaparral, cismontane woodland, and low elevation conifer forest at 980–4300 feet elevation.	None. Habitat lacking; the Project site is below the known elevational range of this species.
Munz's tidy tips ³ (<i>Layia munzii</i>)	1B.2	Alkaline clay soils in chenopod scrub and valley and foothill grassland at 300–2100 feet elevation.	None. Habitat lacking; the Project site lacked alkaline clay soils and is below the known elevational range of this species.
Recurved larkspur (<i>Delphinium recurvatum</i>)	1B.2	Poorly drained, fine, alkaline soils in grassland and saltbush scrub at 98–1969 feet elevation.	None. Habitat lacking; the Project site lacked poorly drained, fine, alkaline soils. No CNDDDB occurrences within 5 miles of the Project site.
Sanford's arrowhead (<i>Sagittaria sanfordii</i>)	1B.2	Ponds, sloughs, and ditches at sea level to 650 feet elevation.	None. Habitat lacking; the Project sites lacked aquatic features.
Shining navarretia ³ (<i>Navarretia nigelliformis</i> ssp. <i>radians</i>)	1B.2	Clay depressions in vernal pools at 490–3280 feet elevation.	None. Habitat lacking; the Project site lacked vernal pools and is below the elevation range of this species.



Species	Status ¹	Habitat	Potential to Occur ²
Spiny-sepaled button-celery (<i>Eryngium spinosepalum</i>)	1B.2	Vernal pools, swales, and roadside ditches in valley and foothill grassland.	None. Habitat lacking; the Project site lacked vernal pools and other aquatic habitats.
Subtle orache (<i>Atriplex subtilis</i>)	1B.2	Saline depressions below 230 feet elevation.	None. Habitat lacking; the Project site lacked saline depressions. No CNDDDB occurrences within 5 miles of the Project site.
Vernal pool smallscale (<i>Atriplex persistens</i>)	1B.2	Alkaline vernal pools below 380 feet elevation.	None. Habitat lacking; the Project site lacked alkaline soils. No CNDDDB occurrences within 5 miles of the Project site.

CDFW (2024), CNPS (2024), USFWS (2024a).

Status ¹	Potential to Occur ²
FC = Federal Candidate for Listing	None: Species or sign not observed; conditions unsuitable for occurrence.
FE = Federally listed as Endangered	Low: Neither species nor sign observed; conditions marginal for occurrence.
FT = Federally listed as Threatened	Moderate: Neither species nor sign observed; conditions suitable for occurrence.
FPT = Federally Proposed Threatened	High: Neither species nor sign observed; conditions highly suitable for occurrence.
FP = State Fully Protected	Present: Species or sign observed; conditions suitable for occurrence.
SC = State Candidate for Listing	
SE = State listed as Endangered	
ST = State listed as Threatened	
SSSC = State Species of Special Concern	

CNPS California Rare Plant Rank ¹ :	Threat Ranks ¹ :
1B – plants rare, threatened, or endangered in California and elsewhere.	0.1 – seriously threatened in California (> 80% of occurrences).
2B – plants rare, threatened, or endangered in California but more common elsewhere.	0.2 – moderately threatened in California (20-80% of occurrences).



CNPS California Rare Plant Rank ¹ :	Threat Ranks ¹ :
3 – plants about which more information is needed.	0.3 – not very threatened in California (<20% of occurrences).
4 – plants have limited distribution in California.	

³Record from within 5 miles of the Project site.

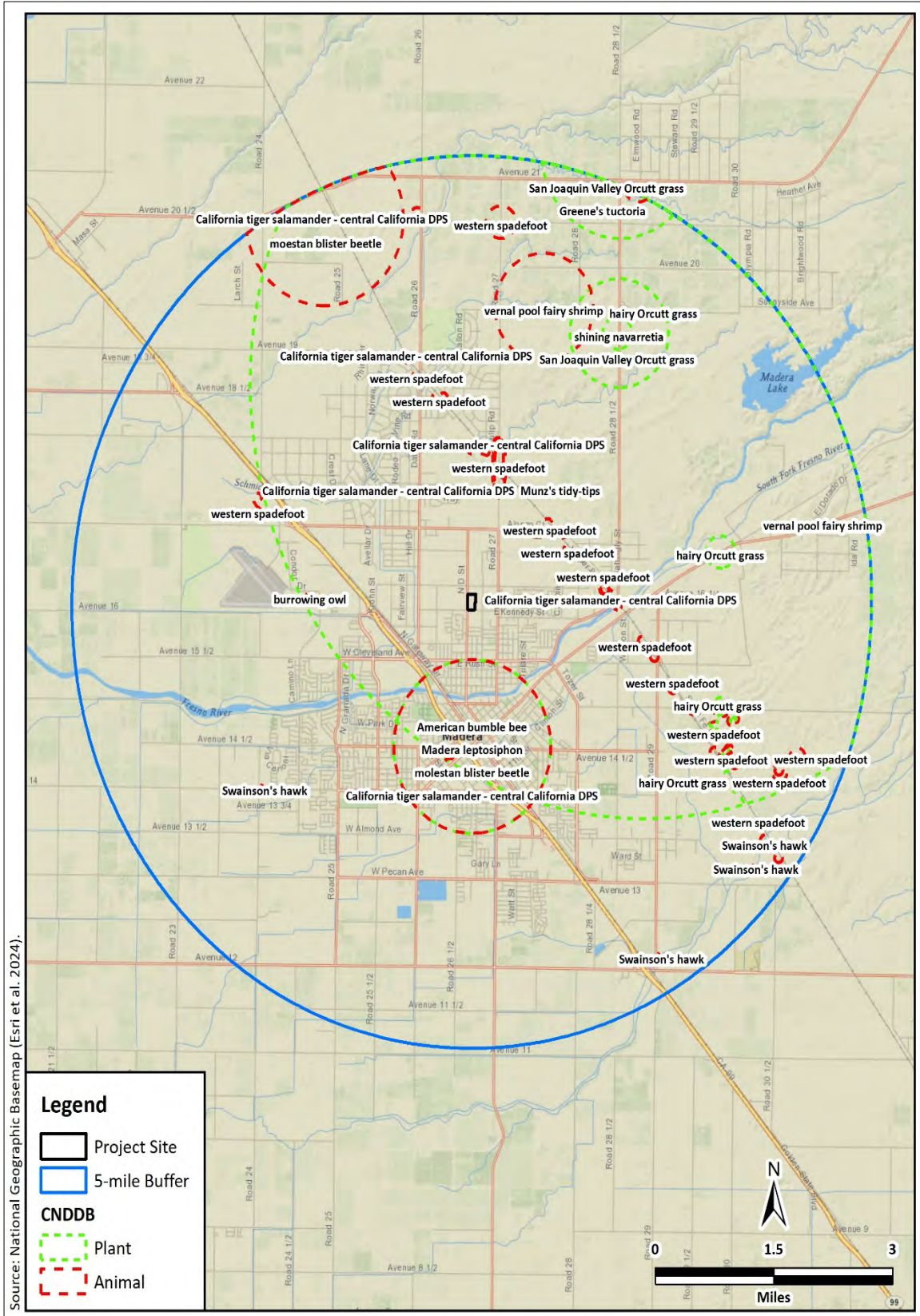


Figure 4. CNDDDB occurrence map.



3.2 Reconnaissance Survey

3.2.1 Land Use and Habitats

The Project site supported a disced field with ruderal vegetation dominated by annual grasses with sparsely distributed ornamental trees (Figures 5–8). The Project site lacked small mammal burrows. The site was bordered on all sides by rural residential development (Figures 9–12). Satellite imagery indicates the Project site has been disced regularly at least since 1998 (Google 2024).

An abandoned residence and dilapidated outbuilding were present in the west-central portion of the Project site (Figures 13 and 14). Except for one utility room containing a hot water heater, the windows and doors of the abandoned residence were sealed with plywood, and most of the interior of the residence appeared to be inaccessible to bats. Bird species such as house finch (*Haemorhous mexicanus*) and black phoebe (*Sayornis nigricans*) could nest under the eaves of the house or in the open utility room, and bats could potentially roost at these locations; however, no bats or bat sign were observed at either location during the 3 May 2024 reconnaissance survey. The dilapidated outbuilding had no roof and did not provide roosting habitat for bats but could be used as a nesting site for bird species such as house finch and black phoebe.

A well-maintained, occupied residence was at the northwest corner of the Project site. This property contained numerous ornamental trees. Piles of wood chips were distributed along the north end of the Project site, and debris piles were present in several locations (Figures 6 and 8).



Figure 5. Photograph from the central portion of the Project site, looking south, showing a disced field with ruderal vegetation.



Figure 6. Photograph from the northeast quadrant of the Project site, looking northeast, showing a pile of wood chips.



Figure 7. Photograph from the northeast corner of the Project site, looking southwest, showing ruderal vegetation and ornamental trees.



Figure 8. Photograph from the northwest quadrant of the Project site, looking south, showing a disced field, ruderal vegetation, and a debris pile.



Figure 9. Photograph from the north-central portion of the Project site, looking northwest, showing rural residential development to the north.



Figure 10. Photograph from the southeast quadrant of the Project site, looking northeast, showing rural residential development to the east.



Figure 11. Photograph from the southwest corner of the Project site, looking southeast, showing rural residential development to the south.



Figure 12. Photograph from the west-central portion of the Project site, looking northwest, showing rural residential development to the west.



Figure 13. Photograph from the west-central portion of the Project site, looking southwest, showing an abandoned residence.



Figure 14. Photograph from the west-central portion of the Project site, looking south, showing a dilapidated outbuilding.



3.2.2 Plant and Animal Species Observed

A total of 22 plant species (8 native and 14 nonnative) and 15 bird species were observed during the survey (Table 2).

Table 2. Plant and animal species observed during the reconnaissance survey.

Common Name	Scientific Name	Status
Plants		
Family Amaranthaceae		
Pigweed amaranth	<i>Amaranthus albus</i>	Nonnative
Family Apocynaceae		
Narrow leaf milkweed	<i>Asclepias fascicularis</i>	Native
Family Asparagaceae		
Harvest brodiaea	<i>Brodiaea elegans</i>	Native
Family Asteraceae		
Pappose tarweed	<i>Centromadia parryi</i>	Native
Prickly lettuce	<i>Lactuca serriola</i>	Nonnative
Family Boraginaceae		
Grey popcorn flower	<i>Plagiobothrys canescens</i>	Native
Menzies' fiddleneck	<i>Amsinckia menziesii</i>	Native
Family Brassicaceae		
Wild radish	<i>Raphanus raphanistrum</i>	Nonnative
Family Euphorbiaceae		
Turkey-mullein	<i>Croton setiger</i>	Native
Family Fabaceae		
Bur clover	<i>Medicago polymorpha</i>	Nonnative
Spring vetch	<i>Vicia sativa</i>	Nonnative
Family Geraniaceae		
Musky stork's bill	<i>Erodium moschatum</i>	Nonnative
Family Lamiaceae		
Vinegarweed	<i>Trichostema lanceolatum</i>	Native



Common Name	Scientific Name	Status
Family Malvaceae		
Cheeseweed mallow	<i>Malva parviflora</i>	Nonnative
Family Myrtaceae		
River redgum	<i>Eucalyptus camaldulensis</i>	Nonnative
Family Poaceae		
Bermuda grass	<i>Cynodon dactylon</i>	Nonnative
Farmer's foxtail	<i>Hordeum murinum</i>	Nonnative
Foxtail brome	<i>Bromus madritensis</i>	Nonnative
Ripgut brome	<i>Bromus diandrus</i>	Nonnative
Wild oat	<i>Avena fatua</i>	Nonnative
Family Polygonaceae		
Curly dock	<i>Rumex crispus</i>	Nonnative
Family Solanaceae		
Sacred datura	<i>Datura wrightii</i>	Native
Birds		
Family Accipitridae		
Red-tailed hawk	<i>Buteo jamaicensis</i>	MBTA, CFGC
Family Charadriidae		
Killdeer	<i>Charadrius vociferus</i>	MBTA, CFGC
Family Columbidae		
Eurasian collared-dove	<i>Streptopelia orientalis</i>	Nonnative
Family Corvidae		
California scrub-jay	<i>Aphelocoma californica</i>	MBTA, CFGC
Common raven	<i>Corvus corax</i>	MBTA, CFGC
Family Fringillidae		
House finch	<i>Haemorhous mexicanus</i>	MBTA, CFGC
Lesser goldfinch	<i>Spinus psaltria</i>	MBTA, CFGC
Family Hirundinidae		



Common Name	Scientific Name	Status
Cliff swallow	<i>Petrochelidon pyrrhonota</i>	MBTA, CFGC
Family Mimidae		
Northern mockingbird	<i>Mimus polyglottos</i>	MBTA, CFGC
Family Passeridae		
House sparrow	<i>Passer domesticus</i>	Nonnative
Family Sturnidae		
European starling	<i>Sturnus vulgaris</i>	Nonnative
Family Trochilidae		
Anna's hummingbird	<i>Calypte anna</i>	MBTA, CFGC
Family Turdidae		
American robin	<i>Turdus migratorius</i>	MBTA, CFGC
Family Tyrannidae		
Black phoebe	<i>Sayornis nigricans</i>	MBTA, CFGC
Western kingbird	<i>Tyrannus verticalis</i>	MBTA, CFGC

MBTA = Protected under the MBTA (16 USC § 703 et seq.); CFGC = Protected under CFGC §§ 3503 and 3513

3.2.3 Nesting Birds

Migratory birds could nest on or near the Project site. Bird species that may nest on or near the property include, but are not limited to, black phoebe and house finch. Large trees within 0.5 miles of the Project site could provide nesting substrates for raptors, including Swainson's hawk (*Buteo swainsoni*).

3.2.4 Regulated Habitats

No regulated habitats were found in the survey area.

3.3 Special-Status Species

The following special-status species could occur on or near the Project site based on the presence of habitat:

3.3.1 Swainson's Hawk



Swainson's hawk is a state listed as threatened raptor in the family Accipitridae. It is a migratory breeding resident of Central California. It uses open areas including grassland, sparse shrubland, pasture, open woodland, and annual agricultural fields such as grain and alfalfa to forage on small mammals, birds, and reptiles. After breeding, it eats mainly insects, especially grasshoppers (Bechard et al. 2020). Swainson's hawks build small to medium-sized nests in medium to large trees near foraging habitat. The nesting season begins in March or April in Central California when this species returns to its breeding grounds from wintering areas in Mexico and Central and South America. Nest building commences within one to two weeks of arrival to the breeding area and lasts about one week (Bechard et al. 2020). One to four eggs are laid and incubated for about 35 days. Young typically fledge in about 38–46 days and tend to leave the nest territory within 10 days of fledging (Bechard et al. 2020). Swainson's hawks depart for the non-breeding grounds between August and September.

There are three CNDDDB occurrence records of Swainson's hawk, two from 2016 and one from 2017, from within 5 miles of the Project site. An additional six CNDDDB occurrence records were found in the nine-quad search (CDFW 2024). Potential nest trees and nearby foraging habitat were present within 0.5 miles of the Project site. However, residential development limits habitat quality. Therefore, the potential for Swainson's hawk to occur on or near the Project site is low.



4.0 Environmental Impacts

4.1 Significance Determinations

This Project, which will result in temporary and permanent impacts to disturbed grassland, will not: (1) substantially reduce the habitat of a fish or wildlife species (criterion a) as no such habitat is present on the Project site; (2) cause a fish or wildlife population to drop below self-sustaining levels (criterion b) as no such potentially vulnerable population is known from the area; (3) threaten to eliminate a plant or animal community (criterion c) as no such potentially vulnerable communities are known from the area; (4) substantially reduce the number or restrict the range of a rare or endangered plant or animal (criterion d) as no such potentially vulnerable species are known from the area; (5) 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 CDFW or USFWS (criterion f) as no riparian habitat or other sensitive natural community was present in the survey area; (6) 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 (criterion g) as no impacts to wetlands will occur; (7) conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance (criterion i) as no such ordinances are pertinent to the Project; or (8) conflict with the provisions of an adopted Habitat Conservation Plan, Natural Communities Conservation Plan, or other approved local, regional, or state habitat conservation plan (criterion j) as no such plan has been adopted. Thus, these significance criteria are not analyzed further.

The remaining statutorily defined criteria provide the framework for Criterion BIO1 and Criterion BIO2 below. These criteria are used to assess the impacts to biological resources stemming from the Project and provide the basis for determinations of significance:

- **Criterion BIO1:** 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 (significance criterion e).
- **Criterion BIO2:** 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 (significance criterion h).

4.1.1 Direct and Indirect Effects

4.1.1.1 Potential Effect #1: Have a Substantial Effect on Any Special-Status Species (Criterion BIO1)

The Project could adversely affect, either directly or through habitat modifications, one special-status animal species that occurs or may occur on or near the Project site. Construction activities such as excavating, trenching, or using other heavy equipment that disturbs or harms a special-status species or substantially modifies its habitat could constitute a significant impact. We recommend that Mitigation Measure BIO1 (below) be included in the conditions of approval to reduce the potential impacts to less-than-significant levels.

Mitigation Measure BIO1. Protect nesting Swainson's hawks.

1. To the extent practicable, construction shall be scheduled to avoid the Swainson's hawk nesting season, which extends from March through August.
2. If it is not possible to schedule construction between September and February, a qualified biologist shall conduct surveys for Swainson's hawk in accordance with the Swainson's Hawk Technical Advisory Committee's Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (SWTAC 2000, Appendix D). These methods require six surveys, three in each of the two survey periods, prior to project initiation. Surveys shall be conducted within a minimum 0.5-mile radius around the Project site.
3. If an active Swainson's hawk nest is found within 0.5 miles of the Project site, and the qualified biologist determines that Project activities would disrupt the nesting birds, a construction-free buffer or limited operating period shall be implemented in consultation with the CDFW.

4.1.1.2 Potential Effect #2: Interfere Substantially with Native Wildlife Movements, Corridors, or Nursery Sites (Criterion BIO2)

The Project has the potential to impede the use of nursery sites for native birds protected under the MBTA and CFGC. Migratory birds are expected



to nest on and near the Project site. Construction disturbance during the breeding season could result in the incidental loss of fertile eggs or nestlings or otherwise lead to nest abandonment. Disturbance that causes nest abandonment or loss of reproductive effort can be considered take under the MBTA and CFGC. Loss of fertile eggs or nesting birds, or any activities resulting in nest abandonment, could constitute a significant effect if the species is particularly rare in the region. Construction activities such as excavating, trenching, and grading that disturb a nesting bird in the Project site or immediately adjacent to the construction zone could constitute a significant effect. We recommend that the mitigation measure BIO2 (below) be included in the conditions of approval to reduce the potential effect to a less-than-significant level.

Mitigation Measure BIO2. Protect nesting birds.

1. To the extent practicable, construction shall be scheduled to avoid the nesting season, which extends from February through August.
2. If it is not possible to schedule construction between September and January, pre-construction surveys for nesting birds shall be conducted by a qualified biologist to ensure that no active nests will be disturbed during the implementation of the Project. A pre-construction survey shall be conducted no more than 14 days prior to the initiation of construction activities. During this survey, the qualified biologist shall inspect all potential nest substrates in and immediately adjacent to the impact areas. If an active nest is found close enough to the construction area to be disturbed by these activities, the qualified biologist shall determine the extent of a construction-free buffer to be established around the nest. If work cannot proceed without disturbing the nesting birds, work may need to be halted or redirected to other areas until nesting and fledging are completed or the nest has otherwise failed for non-construction related reasons.



5.0 Literature Cited

Bechard, M. J., C. S. Houston, J. H. Saransola, and A. S. England. 2020. Swainson's Hawk (*Buteo swainsoni*), version 1.0. *In* Birds of the World (A. F. Poole, Editor). Cornell Lab of Ornithology, Ithaca, NY, USA. <https://doi.org/10.2173/bow.swahaw.01>.

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Appendix A. USFWS list of threatened and endangered species.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
Phone: (916) 414-6600 Fax: (916) 414-6713

In Reply Refer To:

05/03/2024 19:24:16 UTC

Project Code: 2024-0085802

Project Name: Adell Street Subdivision

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2))

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

PROJECT SUMMARY

Project Code: 2024-0085802

Project Name: Adell Street Subdivision

Project Type: Residential Construction

Project Description: The project consists of a 42-unit single-family development. Site acreage is 10.90 acres and it's at the northeast corner of N. D Street and E. Adell Street, just north of the City of Madera limits- APN 038-090-009.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@36.984226050000004,-120.06225414600289,14z>



Counties: Madera County, California

ENDANGERED SPECIES ACT SPECIES

There is a total of 11 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Fresno Kangaroo Rat <i>Dipodomys nitratooides exilis</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5150	Endangered
San Joaquin Kit Fox <i>Vulpes macrotis mutica</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2873	Endangered

REPTILES

NAME	STATUS
Blunt-nosed Leopard Lizard <i>Gambelia silus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/625	Endangered
Northwestern Pond Turtle <i>Actinemys marmorata</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1111	Proposed Threatened

AMPHIBIANS

NAME	STATUS
California Tiger Salamander <i>Ambystoma californiense</i> Population: U.S.A. (Central CA DPS) There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2076	Threatened
Western Spadefoot <i>Spea hammondi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5425	Proposed Threatened

INSECTS

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

CRUSTACEANS

NAME	STATUS
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i>	Threatened

NAME	STATUS
There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/498	

FLOWERING PLANTS

NAME	STATUS
Hairy Orcutt Grass <i>Orcuttia pilosa</i>	Endangered
There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2262	
Lassics Lupine <i>Lupinus constancei</i>	Endangered
Population: There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7976	

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Colibri Ecological Consulting, LLC
Name: Norman Sisk
Address: 9493 N Ft Washington Rd
Address Line 2: Ste 108
City: Fresno
State: CA
Zip: 93730
Email: rsisk@colibri-ecology.com
Phone: 5596816810



Appendix B. CNDDDB occurrence records.



Selected Elements by Common Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (Madera (3612081) OR Biola (3612071) OR Bonita Ranch (3612082) OR Daulton (3711918) OR Gravelly Ford (3612072) OR Gregg (3611988) OR Herndon (3611978) OR Kismet (3712011) OR Berenda (3712012)) AND (Federal Listing Status IS (Endangered OR Threatened OR Proposed Endangered OR Proposed Threatened OR Candidate OR All CNDDDB element occurrences OR Delisted) OR State Listing Status IS (Endangered OR Threatened OR Rare OR All CNDDDB element occurrences OR Delisted OR Candidate Endangered OR Candidate Threatened))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
alkali-sink goldfields <i>Lasthenia chrysantha</i>	PDAST5L030	None	None	G2	S2	1B.1
American badger <i>Taxidea taxus</i>	AMAJF04010	None	None	G5	S3	SSC
American bumble bee <i>Bombus pensylvanicus</i>	IIHYM24260	None	None	G3G4	S2	
blunt-nosed leopard lizard <i>Gambelia sila</i>	ARACF07010	Endangered	Endangered	G1	S2	FP
burrowing owl <i>Athene cunicularia</i>	ABNSB10010	None	None	G4	S2	SSC
California alkali grass <i>Puccinellia simplex</i>	PMPOA53110	None	None	G2	S2	1B.2
California linderiella <i>Linderiella occidentalis</i>	ICBRA06010	None	None	G2G3	S2S3	
California tiger salamander - central California DPS <i>Ambystoma californiense pop. 1</i>	AAAAA01181	Threatened	Threatened	G2G3T3	S3	WL
coast horned lizard <i>Phrynosoma blainvillii</i>	ARACF12100	None	None	G4	S4	SSC
Fresno kangaroo rat <i>Dipodomys nitratooides exilis</i>	AMAFD03151	Endangered	Endangered	G3TH	SH	
Greene's tuctoria <i>Tuctoria greenei</i>	PMPOA6N010	Endangered	Rare	G1	S1	1B.1
hairy Orcutt grass <i>Orcuttia pilosa</i>	PMPOA4G040	Endangered	Endangered	G1	S1	1B.1
heartscale <i>Atriplex cordulata var. cordulata</i>	PDCHE040B0	None	None	G3T2	S2	1B.2
hoary bat <i>Lasiurus cinereus</i>	AMACC05032	None	None	G3G4	S4	
lesser saltscale <i>Atriplex minuscula</i>	PDCHE042M0	None	None	G2	S2	1B.1
Madera leptosiphon <i>Leptosiphon serrulatus</i>	PDPLM09130	None	None	G3	S3	1B.2
midvalley fairy shrimp <i>Branchinecta mesovallensis</i>	ICBRA03150	None	None	G2	S2S3	



Selected Elements by Common Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
moestan blister beetle <i>Lytta moesta</i>	IICOL4C020	None	None	G2	S2	
molestan blister beetle <i>Lytta molesta</i>	IICOL4C030	None	None	G2	S2	
Munz's tidy-tips <i>Layia munzii</i>	PDAST5N0B0	None	None	G2	S2	1B.2
Northern Hardpan Vernal Pool <i>Northern Hardpan Vernal Pool</i>	CTT44110CA	None	None	G3	S3.1	
recurved larkspur <i>Delphinium recurvatum</i>	PDRAN0B1J0	None	None	G2?	S2?	1B.2
San Joaquin kit fox <i>Vulpes macrotis mutica</i>	AMAJA03041	Endangered	Threatened	G4T2	S3	
San Joaquin pocket mouse <i>Perognathus inornatus</i>	AMAFD01060	None	None	G2G3	S2S3	
San Joaquin Valley Orcutt grass <i>Orcuttia inaequalis</i>	PMPOA4G060	Threatened	Endangered	G1	S1	1B.1
Sanford's arrowhead <i>Sagittaria sanfordii</i>	PMALI040Q0	None	None	G3	S3	1B.2
shining navarretia <i>Navarretia nigelliformis ssp. radians</i>	PDPLM0C0J2	None	None	G4T2	S2	1B.2
spiny-sepaed button-celery <i>Eryngium spinosepalum</i>	PDAPI0Z0Y0	None	None	G2	S2	1B.2
subtle orache <i>Atriplex subtilis</i>	PDCHE042T0	None	None	G1	S1	1B.2
succulent owl's-clover <i>Castilleja campestris var. succulenta</i>	PDSCR0D3Z1	Threatened	Endangered	G4?T2T3	S2S3	1B.2
Swainson's hawk <i>Buteo swainsoni</i>	ABNKC19070	None	Threatened	G5	S4	
tricolored blackbird <i>Agelaius tricolor</i>	ABPBXB0020	None	Threatened	G1G2	S2	SSC
valley elderberry longhorn beetle <i>Desmocerus californicus dimorphus</i>	IICOL48011	Threatened	None	G3T3	S3	
Valley Sacaton Grassland <i>Valley Sacaton Grassland</i>	CTT42120CA	None	None	G1	S1.1	
vernal pool fairy shrimp <i>Branchinecta lynchi</i>	ICBRA03030	Threatened	None	G3	S3	
vernal pool smallscale <i>Atriplex persistens</i>	PDCHE042P0	None	None	G2	S2	1B.2
western spadefoot <i>Spea hammondi</i>	AAABF02020	Proposed Threatened	None	G2G3	S3S4	SSC

Record Count: 37



Appendix C. CNPS plant list.













CNPS Rare Plant Inventory.

Search Results

17 matches found. Click on scientific name for details

Search Criteria: CRPR is one of [1A:1B:2A:2B:3:4:CBR] , County or Island is one of [MAD], 9-Quad include [3711918:3611988:3611978:3612072:3612071:3612082:3612081:3712012:3712011]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK	CA ENDEMIC	DATE ADDED	PHOTO
<u><i>Atriplex cordulata</i> var. <i>cordulata</i></u>	heartscale	Chenopodiaceae	annual herb	Apr-Oct	None	None	G3T2	S2	1B.2	Yes	1988-01-01	 © 1994 Robert E. Preston, Ph.D.
<u><i>Atriplex minuscula</i></u>	lesser saltscale	Chenopodiaceae	annual herb	May-Oct	None	None	G2	S2	1B.1	Yes	1994-01-01	 © 2000 Robert E. Preston, Ph.D.
<u><i>Atriplex persistens</i></u>	vernal pool smallscale	Chenopodiaceae	annual herb	Jun-Oct	None	None	G2	S2	1B.2	Yes	2001-01-01	No Photo Available
<u><i>Atriplex subtilis</i></u>	subtle orache	Chenopodiaceae	annual herb	(Apr)Jun-Sep(Oct)	None	None	G1	S1	1B.2	Yes	1994-01-01	 © 2000 Robert E. Preston, Ph.D.
<u><i>Castilleja campestris</i> var. <i>succulenta</i></u>	succulent owl's-clover	Orobanchaceae	annual herb (hemiparasitic)	(Mar)Apr-May	FT	CE	G4? T2T3	S2S3	1B.2	Yes	1984-01-01	No Photo Available
<u><i>Delphinium hansenii</i> ssp. <i>ewanianum</i></u>	Ewan's larkspur	Ranunculaceae	perennial herb	Mar-May	None	None	G4T3	S3	4.2	Yes	1994-01-01	No Photo Available
<u><i>Delphinium recurvatum</i></u>	recurved larkspur	Ranunculaceae	perennial herb	Mar-Jun	None	None	G2?	S2?	1B.2	Yes	1988-01-01	No Photo Available

<i>Eryngium spinosepalum</i>	spiny-sepaled button-celery	Apiaceae	annual/perennial herb	Apr-Jun	None	None	G2	S2	1B.2	Yes	1980-01-01	No Photo Available
<i>Lasthenia chrysantha</i>	alkali-sink goldfields	Asteraceae	annual herb	Feb-Apr	None	None	G2	S2	1B.1	Yes	2019-09-30	 © 2009 California State University, Stanislaus
<i>Layia munzii</i>	Munz's tidy-tips	Asteraceae	annual herb	Mar-Apr	None	None	G2	S2	1B.2	Yes	1988-01-01	 © 2017 Neal Kramer
<i>Leptosiphon serrulatus</i>	Madera leptosiphon	Polemoniaceae	annual herb	Apr-May	None	None	G3	S3	1B.2	Yes	1980-01-01	 © 2008 Chris Winchell
<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	shining navarretia	Polemoniaceae	annual herb	(Mar)Apr-Jul	None	None	G4T2	S2	1B.2	Yes	1994-01-01	No Photo Available
<i>Orcuttia inaequalis</i>	San Joaquin Valley Orcutt grass	Poaceae	annual herb	Apr-Sep	FT	CE	G1	S1	1B.1	Yes	1974-01-01	No Photo Available
<i>Orcuttia pilosa</i>	hairy Orcutt grass	Poaceae	annual herb	May-Sep	FE	CE	G1	S1	1B.1	Yes	1980-01-01	 © 2003 George W. Hartwell
<i>Puccinellia simplex</i>	California alkali grass	Poaceae	annual herb	Mar-May	None	None	G2	S2	1B.2		2015-10-15	 © 2017 Chris Winchell
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	May-Oct(Nov)	None	None	G3	S3	1B.2	Yes	1984-01-01	 ©2013 Debra L. Cook
<i>Tuctoria greenei</i>	Greene's tuctoria	Poaceae	annual herb	May-Jul(Sep)	FE	CR	G1	S1	1B.1	Yes	1974-01-01	 ©2008 F. Gauna

Showing 1 to 17 of 17 entries

Suggested Citation:

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 3 May 2024].



Appendix D. Recommended timing and methodology for Swainson's hawk nesting surveys in California's Central Valley.

RECOMMENDED TIMING AND METHODOLOGY FOR SWAINSON'S HAWK NESTING SURVEYS IN CALIFORNIA'S CENTRAL VALLEY

**Swainson's Hawk Technical Advisory Committee
May 31, 2000**

This set of survey recommendations was developed by the Swainson's Hawk Technical Advisory Committee (TAC) to maximize the potential for locating nesting Swainson's hawks, and thus reducing the potential for nest failures as a result of project activities/disturbances. The combination of appropriate surveys, risk analysis, and monitoring has been determined to be very effective in reducing the potential for project-induced nest failures. As with most species, when the surveyor is in the right place at the right time, Swainson's hawks may be easy to observe; but some nest sites may be very difficult to locate, and even the most experienced surveyors have missed nests, nesting pairs, mis-identified a hawk in a nest, or believed incorrectly that a nest had failed. There is no substitute for specific Swainson's hawk survey experience and acquiring the correct search image.

METHODOLOGY

Surveys should be conducted in a manner that maximizes the potential to observe the adult Swainson's hawks, as well as the nest/chicks second. To meet the California Department of Fish and Game's (CDFG) recommendations for mitigation and protection of Swainson's hawks, surveys should be conducted for a ½ mile radius around all project activities, and if active nesting is identified within the ½ mile radius, consultation is required. In general, the TAC recommends this approach as well.

Minimum Equipment

Minimum survey equipment includes a high-quality pair of binoculars and a high quality spotting scope. Surveying even the smallest project area will take hours, and poor optics often result in eye-strain and difficulty distinguishing details in vegetation and subject birds. Other equipment includes good maps, GPS units, flagging, and notebooks.

Walking vs Driving

Driving (car or boat) or "windshield surveys" are usually preferred to walking if an adequate roadway is available through or around the project site. While driving, the observer can typically approach much closer to a hawk without causing it to fly. Although it might appear that a flying bird is more visible, they often fly away from the observer using trees as screens; and it is difficult to determine from where a flying bird came. Walking surveys are useful in locating a nest after a nest territory is identified, or when driving is not an option.

Angle and Distance to the Tree

Surveying subject trees from multiple angles will greatly increase the observer's chance of detecting a nest or hawk, especially after trees are fully leafed and when surveying multiple trees

in close proximity. When surveying from an access road, survey in both directions. Maintaining a distance of 50 meters to 200 meters from subject trees is optimal for observing perched and flying hawks without greatly reducing the chance of detecting a nest/young: Once a nesting territory is identified, a closer inspection may be required to locate the nest.

Speed

Travel at a speed that allows for a thorough inspection of a potential nest site. Survey speeds should not exceed 5 miles per hour to the greatest extent possible. If the surveyor must travel faster than 5 miles per hour, stop frequently to scan subject trees.

Visual and Aural Ques

Surveys will be focused on both observations and vocalizations. Observations of nests, perched adults, displaying adults, and chicks during the nesting season are all indicators of nesting Swainson's hawks. In addition, vocalizations are extremely helpful in locating nesting territories. Vocal communication between hawks is frequent during territorial displays; during courtship and mating; through the nesting period as mates notify each other that food is available or that a threat exists; and as older chicks and fledglings beg for food.

Distractions

Minimize distractions while surveying. Although two pairs of eyes may be better than one pair at times, conversation may limit focus. Radios should be off, not only are they distracting, they may cover a hawk's call.

Notes and Species Observed

Take thorough field notes. Detailed notes and maps of the location of observed Swainson's hawk nests are essential for filling gaps in the Natural Diversity Data Base; please report all observed nest sites. Also document the occurrence of nesting great homed owls, red-tailed hawks, red-shouldered hawks and other potentially competitive species. These species will infrequently nest within 100 yards of each other, so the presence of one species will not necessarily exclude another.

TIMING

To meet **the minimum level** of protection for the species, surveys should be completed for **at least** the two survey periods immediately prior to a project's initiation. For example, if a project is scheduled to begin on June 20, you should complete 3 surveys in Period III and 3 surveys in Period V. However, it is always recommended that surveys be completed in Periods II, III and V. **Surveys should not be conducted in Period IV.**

The survey periods are defined by the timing of migration, courtship, and nesting in a "typical" year for the majority of Swainson's hawks from San Joaquin County to Northern Yolo County. Dates should be adjusted in consideration of early and late nesting seasons, and geographic differences (northern nesters tend to nest slightly later, etc). If you are not sure, contact a TAC member or CDFG biologist.

Survey dates Justification and search image	Survey time	Number of Surveys
------------------------------------------------	-------------	-------------------

I. <i>January-March 20 (recommended optional)</i>	<i>All day</i>	<i>1</i>
---------------------------------------------------	----------------	----------

Prior to Swainson’s hawks returning, it may be helpful to survey the project site to determine potential nest locations. Most nests are easily observed from relatively long distances, giving the surveyor the opportunity to identify potential nest sites, as well as becoming familiar with the project area. It also gives the surveyor the opportunity to locate and map competing species nest sites such as great homed owls from February on, and red-tailed hawks from March on. After March 1, surveyors are likely to observe Swainson’s hawks staging in traditional nest territories.

II. <i>March 20 to April 5</i>	<i>Sunrise to 1000 1600 to sunset</i>	<i>3</i>
--------------------------------	-------------------------------------------	----------

Most Central Valley Swainson’s hawks return by April 1, and immediately begin occupying their traditional nest territories. For those few that do not return by April 1, there are often hawks (“floaters”) that act as place-holders in traditional nest sites; they are birds that do not have mates, but temporarily attach themselves to traditional territories and/or one of the site’s “owners.” Floaters are usually displaced by the territories’ owner(s) if the owner returns.

Most trees are leafless and are relatively transparent; it is easy to observe old nests, staging birds, and competing species. The hawks are usually in their territories during the survey hours, but typically soaring and foraging in the mid-day hours. Swainson’s hawks may often be observed involved in territorial and courtship displays, and circling the nest territory. Potential nest sites identified by the observation of staging Swainson’s hawks will usually be active territories during that season, although the pair may not successfully nest/reproduce that year.

III. <i>April 5 to April 20</i>	<i>Sunrise to 1200 1630 to Sunset</i>	<i>3</i>
---------------------------------	-------------------------------------------	----------

Although trees are much less transparent at this time, ‘activity at the nest site increases significantly. Both males and females are actively nest building, visiting their selected site frequently. Territorial and courtship displays are increased, as is copulation. The birds tend to vocalize often, and nest locations are most easily identified. This period may require a great deal of “sit and watch” surveying.

IV. <i>April 21 to June 10</i>	<i>Monitoring known nest sites only Initiating Surveys is not recommended</i>	
--------------------------------	------------------------------------------------------------------------------------------	--

Nests are extremely difficult to locate this time of year, and even the most experienced surveyor will miss them, especially if the previous surveys have not been done. During this phase of nesting, the female Swainson’s hawk is in brood position, very low in the nest, laying eggs, incubating, or protecting the newly hatched and vulnerable chicks; her head may or may not be visible. Nests are often well-hidden, built into heavily vegetated sections of trees or in clumps of mistletoe, making them all but invisible. Trees are usually not viewable from all angles, which may make nest observation impossible.

Following the male to the nest may be the only method to locate it, and the male will spend hours away from the nest foraging, soaring, and will generally avoid drawing attention to the nest site. Even if the observer is fortunate enough to see a male returning with food for the female, if the female determines it is not safe she will not call the male in, and he will not approach the nest; this may happen if the observer, or others, are too close to the nest or if other threats, such as rival hawks, are apparent to the female or male.

V. June 10 to July 30 (post-fledging)





Sunrise to 1200

3

1600 to sunset

Young are active and visible, and relatively safe without parental protection. Both adults make numerous trips to the nest and are often soaring above, or perched near or on the nest tree. The location and construction of the nest may still limit visibility of the nest, young, and adults.

DETERMINING A PROJECT'S POTENTIAL FOR IMPACTING SWAINSON'S HAWKS

LEVEL OF RISK	REPRODUCTIVE SUCCESS (Individuals)	LONGTERM SURVIVABILITY (Population)	NORMAL SITE CHARACTERISTICS (Daily Average)	NEST MONITORING
<p style="text-align: center;">HIGH</p>   <p style="text-align: center;">LOW</p>	<p>Direct physical contact with the nest tree while the birds are on eggs or protecting young. (Helicopters in close proximity)</p> <p>Loss of nest tree after nest building is begun prior to laying eggs.</p> <p>Personnel within 50 yards of nest tree (out of vehicles) for extended periods while birds are on eggs or protecting young that are < 10 days old.</p> <p>Initiating construction activities (machinery and personnel) within 200 yards of the nest after eggs are laid and before young are > 10 days old.</p> <p>Heavy machinery only working within 50 yards of nest.</p> <p>Initiating construction activities within 200 yards of nest before nest building begins or after young > 10 days old.</p> <p>All project activities (personnel and machinery) greater than 200 yards from nest.</p>	<p>Loss of available foraging area.</p> <p>Loss of nest trees.</p> <p>Loss of potential nest trees.</p> <p>Cumulative: Multi-year, multi-site projects with substantial noise/personnel disturbance.</p> <p>Cumulative: Single-season projects with substantial noise/personnel disturbance that is greater than or significantly different from the daily norm.</p> <p>Cumulative: Single-season projects with activities that “blend” well with site’s “normal” activities.</p>	<p>Little human-created noise, little human use: nest is well away from dwellings, equipment yards, human access areas, etc. <i>Do not include general cultivation practices in evaluation.</i></p> <p>Substantial human-created noise and occurrence: nest is near roadways, well-used waterways, active airstrips, areas that have high human use. <i>Do not include general cultivation practices in evaluation.</i></p>	<p style="text-align: center;">MORE</p>   <p style="text-align: center;">LESS</p>

Appendix C

CHRIS Records Search



To: Emily Bowen
Crawford Bowen Planning, Inc.
113 N. Church Street, Suite 310
Visalia, CA 93291

Record Search 23-379

Date: September 18, 2023

Re: Adell Street Subdivision Project

County: Madera

Map(s): Madera 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 have been no previous cultural resource studies completed within the project area. There have been three previous cultural resource studies completed within the one half-mile radius: MA-00035, MA-00215, and MA-01129.

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 resource within the project area, and it is not known if any exist there. There are four recorded resources within the one-half mile radius: P-20-002802, P-20-002803, P-20-002804, and P-20-002805. These resources all consist of historic era buildings.

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, for the California State Historic Landmarks.

COMMENTS AND RECOMMENDATIONS

We understand the project consists of development of 42 single-family residential units and associated improvements such as street lighting and landscaping. Further, we understand the project area to currently be vacant with one single-family residence that will not be demolished as a result of this project. Because this project area has not been previously surveyed for cultural resources, it is unknown if any exist there. Therefore, prior to any ground disturbance activities, we recommend a qualified, professional consultant conduct a field survey to determine if any cultural resources are present. A list of qualified consultants can be found 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: September 18, 2023

Please note that invoices for Information Center services will be sent under separate cover from the California State University, Bakersfield Accounting Office.

Appendix D

Phase I Environmental Site Assessment Report



GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING
CONSTRUCTION TESTING & INSPECTION

October 25, 2023

Project No. 014-23120

Ms. Emily Bowen
Crawford & Bowen Planning, Inc.
113 Church Street, Suite 302
Visalia, California 93291
Emily@candbplanning.com

RE: Phase I Environmental Site Assessment
Proposed Residential Development
16255 North D Street
APNs 038-090-009 and -010
Madera, California 93638

Dear Ms. Bowen:

Krazan & Associates, Inc., (Krazan) completed a Phase I Environmental Site Assessment at the referenced site summarized in a report dated October 25, 2023. Please note that the earliest date of source review was on September 29, 2023. This report is considered viable within 180 days of that date. We appreciate the opportunity to serve your environmental due diligence needs.

During the course of this assessment, Krazan identified no evidence of recognized environmental conditions (RECs), controlled RECs (CRECs) or historical RECs (HRECs) in connection with the subject site as defined by ASTM E 1527-21. However, the following potential areas of concern (PAOCs), ASTM non-scope issues, and site development issues were identified in connection with the subject site:

PAOCs

- Krazan's review of historical aerial photographs indicates that rural residential areas, including dwelling-type structures, barn type structures, and smaller outbuildings, were present in the northeastern portion of the subject site circa 1937 and in the central-western portion of the subject site circa 1946. Two additional dwellings were developed in the central-western portion of the subject site by 1962, and a third dwelling was developed in the northwestern portion of the property circa 1969. The two rural residential areas and the three additional dwellings were present on site until at least 1984. Additionally, historical aerial photographs of the subject site and surrounding vicinity taken between 1937 and 1984 indicate the presence of on- and off-site farming operations during this time interval expected to utilize fuel-powered trucks and tractors/farm equipment. Mr. Nadeem Ahmad, the owner of the subject site familiar with the subject site for the past 23 months, indicated that he was unaware of underground storage tanks (USTs) being located at the subject site, and no records of USTs for the subject site are on file with the local regulatory agencies. However, USTs on rural or agricultural properties historically have been exempt from requirements for registration with regulatory agencies. Krazan's experience with such properties has shown that it is not uncommon for property owners/operators to install USTs for their convenience, especially in the vicinity of structures, which are undocumented and whose presence would remain unknown in spite of the standard data research conducted in the course of this Phase I ESA. It is therefore possible that subsurface features such as unregistered USTs may exist in the vicinity of the existing and/or former on-site structures which remain unknown based upon the absence of any regulatory,

municipality, interview data, or other evidence indicating their presence or location. Consequently, despite an absence of data suggesting their presence, the presence or absence of USTs associated with the subject site prior to the current owner of the subject site is unknown.

During the planned redevelopment of the subject site, if a UST or associated piping is encountered, please contact Krazan for a supplemental assessment.

ASTM Non-Scope Issues

- The dwelling located on the subject site was originally constructed in approximately 1969. It is unknown if the on-site dwelling contains asbestos-containing materials (ACMs) or lead-based paint (LBP). An asbestos and/or lead-based paint survey and sampling of the on-site dwelling were not included within the scope of this assessment. However, based on the apparent date of construction, ACMs and lead-based paint may be present at the subject site. Prior to the disturbance of any suspect ACMs or LBP at this property, a comprehensive asbestos survey and lead-based paint survey are recommended.

Site Development Issues

- According to Mr. Ahmad, the on-site dwelling is currently connected to municipal potable water service and is not associated with an on-site domestic water well. However, Krazan's review of historical aerial photographs indicates that three additional dwellings developed in or before 1962 were located adjacent to North D Street. Domestic water wells were possibly associated with these dwellings prior to the availability of municipal water service. Additionally, during Krazan's October 9, 2023 site reconnaissance, a water well presumed to be a former domestic well was observed in the northeastern portion of the subject site in an area historically occupied by a rural residence. If the existing water well and/or any additional water wells identified during the planned redevelopment of the subject site are not to be utilized, it/they should be properly destroyed in accordance with State and local guidelines.

According to Mr. Ahmad, the existing on-site dwelling is connected to an on-site septic system located proximate to the dwelling. The presence of the septic system is not anticipated to have adversely impacted the subject site due to its reported use for domestic purposes only. Additionally, septic systems were possibly associated with the three historical dwellings located south of the existing dwelling along North D Street, as well as with the former dwelling previously located in the northeastern portion of the subject site. If the existing septic system is not to be utilized in the planned redevelopment of the subject site, and/or if a septic system associated with the historical dwellings is identified during the planned redevelopment which is not to be utilized, it/they should be properly abandoned or removed in accordance with State and local guidelines.

If you have any questions regarding the information presented in this report, please call me at (559) 348-2200.

Respectfully submitted,
KRAZAN & ASSOCIATES, INC.



Laurie K. Blakeman
Sr. Environmental Project Manager

LKB/mlt



PHASE I ENVIRONMENTAL SITE ASSESSMENT

**PROPOSED RESIDENTIAL DEVELOPMENT
16255 NORTH D STREET
APNS 038-090-009 AND -010
MADERA, CALIFORNIA 93638**

Project No. 014-23120
October 25, 2023

Prepared for:
Ms. Emily Bowen
Crawford & Bowen Planning, Inc.
113 Church Street, Suite 302
Visalia, California 93291

Prepared by:
Krazan & Associates, Inc.
215 West Dakota Avenue
Clovis, California 93612
(559) 348-2200

 **Krazan** & ASSOCIATES, INC.
SITE DEVELOPMENT ENGINEERS

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Appendix A	EDR – Certified Sanborn® Map Report EDR – Historical Topo Map Report EDR – City Directory Image Report EDR – Aerial Photo Decade Package
Appendix B	Environmental Liens/Activity and Use Limitations Report Phase I ESA Questionnaires
Appendix C	EDR – Radius Map Report

EXECUTIVE SUMMARY

Krazan & Associates, Inc. (Krazan) has conducted a Phase I Environmental Site Assessment (ESA) of the 9.12-acre property which is associated with Madera County Assessor's Parcel Numbers (APNs) 038-090-009 and 038-090-010 located at 16227 and 16255 North D Street (subject site). The subject site is a residential and former agricultural property located northeast of North D Street and Adell Street in an unincorporated area of Madera County, California 93638. At the time of Krazan's October 9, 2023 site reconnaissance, the subject site was occupied by one dwelling, a dilapidated outbuilding, and vacant land. The on-site dwelling was unoccupied, partially boarded, and largely empty. The outbuilding contained discarded clothing and bedding from former transient use of the structure.

The subject site, vacant land undeveloped with any structures in 1922, was utilized for residential purposes from at least 1937 until approximately 2020. Rural residences which included dwellings, barn-type structures, and smaller outbuildings, were present in the central-western and/or northeastern portions of the subject site from at least 1937 until at least 1984, and varying portions of the subject site appear to have been utilized for non-orchard agricultural purposes during this time interval. The subject site was occupied by a varying number of residences during the 1937- to 1984-time interval, with a maximum of five residences present by 1969. The subject site is currently occupied by the northwestern-most of these five residences which was reportedly constructed in 1969 and which has not been occupied since approximately 2020.

Mr. Nadeem Ahmad, the current owner of the property, plans to rehabilitate the existing dwelling for use as a rental unit and redevelop the remainder of the property with new single-family homes. The site is located in a residential area (rural-type residences, single-family home subdivisions, and multi-family residential developments) just north of the City of Madera within an unincorporated area of Madera County.

The subject site addresses/location were not identified on any Federal, State or local regulatory database indicating that a release of hazardous materials has impacted the subject site.

Krazan identified no evidence of recognized environmental conditions (RECs), controlled RECs (CRECs) or historical RECs (HRECs) in connection with the subject site as defined by ASTM E 1527-21. However, the following potential areas of concern (PAOCs), ASTM non-scope issues, and site development issues were identified in connection with the subject site:

PAOCs

- Krazan's review of historical topographic maps and historical aerial photographs indicates that Krazan's review of historical aerial photographs indicates that rural residential areas, including dwelling-type structures, barn type structures, and smaller outbuildings, were present in the northeastern portion of the subject site circa 1937 and in the central-western portion of the subject site circa 1946. Two additional dwellings were developed in the central-western portion of the subject site by 1962, and a third dwelling was developed in the northwestern portion of the property circa 1969. The two rural residential areas and the three additional dwellings were present on site until at least 1984. Additionally, historical aerial photographs of the subject site and surrounding vicinity taken between 1937 and 1984 indicate the presence of on- and off-site farming operations during this time interval expected to utilize fuel-powered trucks and tractors/farm equipment. Mr. Nadeem Ahmad, the owner of the subject site familiar with the subject site for the past 23 months, indicated that he was unaware of underground storage tanks (USTs) being located at the subject site, and no records of USTs for the subject site are on file with the local regulatory agencies. However, USTs on rural or agricultural properties historically have been exempt from requirements for registration with regulatory agencies. Krazan's experience with such properties has shown that it is not uncommon for property owners/operators to install USTs for their convenience, especially in the vicinity of structures, which are undocumented and whose presence would remain unknown in spite of the standard data research conducted in the course of this Phase I ESA. It is therefore possible that subsurface features such as unregistered USTs may exist in the vicinity of the existing and/or former on-site structures which remain unknown based upon the absence of any regulatory,

municipality, interview data, or other evidence indicating their presence or location. Consequently, despite an absence of data suggesting their presence, the presence or absence of USTs associated with the subject site prior to the current owner of the subject site is unknown.

ASTM Non-Scope Issues

- The dwelling located on the subject site was originally constructed in approximately 1969. It is unknown if the on-site dwelling contains asbestos-containing materials (ACMs) or lead-based paint (LBP). An asbestos and/or lead-based paint survey and sampling of the on-site dwelling were not included within the scope of this assessment. However, based on the apparent date of construction, ACMs and lead-based paint may be present at the subject site. Prior to the disturbance of any suspect ACMs or LBP at this property, a comprehensive asbestos survey and lead-based paint survey are recommended.

Site Development Issues

- According to Mr. Ahmad, the on-site dwelling is currently connected to municipal potable water service and is not associated with an on-site domestic water well. However, Krazaan's review of historical aerial photographs indicates that three additional dwellings developed in or before 1962 were located adjacent to North D Street. Domestic water wells were possibly associated with these dwellings prior to the availability of municipal water service. Additionally, during Krazaan's October 9, 2023 site reconnaissance, a water well presumed to be a former domestic well was observed in the northeastern portion of the subject site in an area historically occupied by a rural residence. If the existing water well and/or any additional water wells identified during the planned redevelopment of the subject site are not to be utilized, it/they should be properly destroyed in accordance with State and local guidelines.

According to Mr. Ahmad, the existing on-site dwelling is connected to an on-site septic system located proximate to the dwelling. The presence of the septic system is not anticipated to have adversely impacted the subject site due to its reported use for domestic purposes only. Additionally, septic systems were possibly associated with the three historical dwellings located south of the existing dwelling along North D Street, as well as with the former dwelling previously located in the northeastern portion of the subject site. If the existing septic system is not to be utilized in the planned redevelopment of the subject site, and/or if a septic system associated with the historical dwellings is identified during the planned redevelopment which is not to be utilized, it/they should be properly abandoned or removed in accordance with State and local guidelines.

1.0 INTRODUCTION

The subject site is located northeast of North D Street and Adell Street in an unincorporated area of Madera County, California 93638. The subject site is 9.12 acres in area and is associated with Madera County Assessor's Parcel Numbers (APNs) 038-090-090 and 038-090-010. The subject site is associated with addresses of 16227 and 16255 North D Street. At the time of Krazan's October 9, 2023 site reconnaissance, the subject site was occupied by one dwelling, a dilapidated outbuilding, and vacant land. The on-site dwelling was unoccupied, partially boarded, and largely empty. The outbuilding contained discarded clothing and bedding from former transient use of the structure.

The subject site, vacant land undeveloped with any structures in 1922, was utilized for residential purposes from at least 1937 until approximately 2020. Rural residences which included dwellings, barn-type structures, and smaller outbuildings, were present in the central-western and/or northeastern portions of the subject site from at least 1937 until at least 1984, and varying portions of the subject site appear to have been utilized for non-orchard agricultural purposes during this time interval. The subject site was occupied by a varying number of residences during the 1937- to 1984-time interval, with a maximum of five residences present by 1969. The subject site is currently occupied by the northwestern-most of these five residences which was reportedly constructed in 1969 and which has not been occupied since approximately 2020.

Krazan conducted the Phase I ESA of the subject site in conformance with the American Society for Testing and Materials (ASTM) E 1527-21 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This Phase I ESA constitutes all appropriate inquiry (AAI) designed to identify recognized environmental conditions (RECs) in connection with the previous ownership and uses of the subject site as defined by ASTM E 1527-21.

ASTM E 1527-21 Section 1.1.1 *Recognized Environmental Conditions* – In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by this practice is to identify recognized environmental conditions. The term recognized environmental conditions means: 1) the presence of hazardous substances or petroleum due to a release to the environment; 2) the likely presence of hazardous substances or petroleum products due to a likely release to the environment; or 3) the presence of hazardous substances or petroleum products under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.

It is incumbent upon the user to read this Phase I ESA report in its entirety. If not otherwise defined within the text of this report, please refer to the Glossary of Terms Section following the References Section for definitions of terms and acronyms utilized within this Phase I ESA report.

Previous Environmental Assessments

No previous environmental assessments of the subject site were provided to Krazan by Crawford & Bowen Planning, Inc. for review as part of this Phase I ESA.

2.0 PURPOSE AND SCOPE OF ASSESSMENT

2.1 Purpose

According to ASTM E 1527-21, the purpose of this practice is to define good commercial and customary practice in the United States of America for conducting an *environmental site assessment* of a parcel of *commercial real estate* with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and *petroleum products*. As such, this practice is intended to permit a *user* to satisfy one of the requirements to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitation on CERCLA liability (hereinafter, the *landowner liability protections, or LLPs*): that is, the practice that constitutes *all appropriate inquiries* into the previous ownership and uses of the *property* consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)(B).

2.2 Scope of Work

The scope of work for this Phase I ESA conforms to ASTM E 1527-21. The Phase I ESA includes the following scope of work: a) a site reconnaissance of existing on-site conditions and observations of adjacent property uses, b) a review of user-provided documents and search of available current land title records compiled by AFX Corp., Inc., c) a review of historical aerial photographs, a review of pertinent building permit records, cross-reference directories, historical Sanborn Fire Insurance Maps (SFIMs), and interview(s) with person(s) knowledgeable of the previous and current ownership and uses of the subject site, d) a review of local regulatory agency records, and e) a review of local, state, and federal regulatory agency lists compiled by Environmental Data Resources, Inc. (EDR).

Krazan was provided with written authorization to conduct the Phase I ESA by Ms. Emily Bowen with Crawford & Bowen Planning, Inc. on September 29, 2023 in response to Krazan's September 25, 2023 Proposal/Cost Estimate No. P23-409.

3.0 SUBJECT SITE SETTING

The subject site is located northeast of North D Street and Adell Street in an unincorporated area of Madera County, California 93638. The subject site is an irregular-shaped parcel measuring 9.12 acres in area which is associated with addresses of 16227 and 16255 North D Street. The site is located within a residential area which includes rural-type residences, single-family home subdivisions, and multi-family residential developments. General property information and property use are summarized in the following table. Refer to Figures No. 1 – 4 for subject site details.

Subject Site Information Summary	
Current Owner:	Nadeem Ahmad
Assessor's Parcel Numbers:	038-090-009 and 038-090-010
Addresses:	16227 North D Street 16255 North D Street Madera, California 93638
Historical Addresses:	16245 North D Street – this address is listed in 1980, 1985, and 1990 cross-reference directories and may be an historical subject site address – however, no occupants were associated with this address in the cross-reference directories
General Location:	Northeast of North D Street and Adell Street
Acreage:	9.12 acres
Zoning:	RRS – Rural, Residential, Single-Family District (Madera County On-line Zoning Map – October 2023)
Existing Use:	Residential (currently unoccupied) and Vacant Land
Number of Buildings:	One Dwelling One Dilapidated Outbuilding
Original Construction Date:	1969 (dwelling – Madera County Building Department information)
Proposed Use:	Residential
Electricity:	Pacific Gas & Electric
Natural Gas:	Pacific Gas & Electric
Potable Water:	City of Madera (existing dwelling) On-site Water Well(s)
Sanitary Sewer:	On-site Septic System(s)
Latitude / Longitude:	36.9841770° / -120.0621420.°
Topographic Map:	U.S. Geological Survey, 7.5-minute Madera, California
Topographic Map Location:	Southeastern quarter of Section 12, Township 11 South, Range 17 East, Mount Diablo Baseline and Meridian
Topography:	Approximately 280 feet above mean sea level
Approximate Depth to Groundwater:	95 feet below ground surface (bgs), State of California Department of Water Resources (DWR)*
Regional Groundwater Flow Direction:	North-northwest, DWR*

Note: * State of California, Department of Water Resources, *Sustainable Groundwater Management Act (SGMA) Data Viewer, Spring 2022*

3.1 Geology and Hydrogeology

The subject site is located within the San Joaquin Valley, a broad structural trough bound by the Sierra Nevada and Coast Ranges of California. The San Joaquin Valley, which comprises the southern portion of the Great Valley of California, has been filled with several thousand feet of sedimentary deposits. Sediments in the eastern valley, derived from the erosion of the Sierra Nevada, have been deposited by major to minor west-flowing drainages and their tributaries. Near-surface sediments are dominated by sands and silty sands with lesser silts, minor clays, and gravel. The sedimentary deposits in the region form large coalescing alluvial fans with gentle slopes. According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service, soils at the subject site are described as San Joaquin, a moderately well drained sandy loam with very slow infiltration rates. Groundwater in the subject site vicinity was reported to be first encountered at a depth of approximately 95 feet bgs in Spring 2022. The groundwater flow direction in the area of the subject site is generally toward the north-northwest.

4.0 SITE BACKGROUND

A review of historical Sanborn Fire Insurance Maps (SFIMs), historic USGS topographic maps, reasonably ascertainable city cross-reference directories, historical aerial photographs, local agency records and previous environmental reports, as made available to Krazan, were utilized to assess the history of the subject site.

4.1 Sanborn Fire Insurance Maps

Krazan reviews Sanborn Fire Insurance Maps (SFIMs) to evaluate prior land use of the subject site and the adjacent properties. SFIMs typically exist for cities with populations of 2,000 or more, the coverage dependent on the location of the subject site within the city limits. Krazan contracted with Environmental Data Resources, Inc. (EDR) to provide copies of available SFIMs for the subject site and the adjacent properties. EDR's search of SFIMs revealed no coverage for the subject site and the adjacent properties. Refer to Appendix A – *EDR – Certified Sanborn® Map Report* dated September 29, 2023 for details.

4.2 USGS Topographic Quadrangle Map

Krazan reviewed the 7.5-minute Madera, California topographic quadrangle maps dated 1922, 1947, 1963, 1981, 2012, 2015, and 2018, and the 15-minute Madera, California topographic quadrangle map dated 1946. According to review of the historical topographic quadrangle maps, the subject site was vacant land in 1922. The subject site was occupied by residential-type structures from at least 1946 until at least 1981, including two structures in 1946 and 1947, four structures in 1961, and five structures in 1981. Subject site and adjacent/vicinity property usage is summarized in the following table. Refer to Figure No. 4 and Appendix A – *EDR - Historical Topo Map Report* dated September 29, 2023 for details.

Topographic Maps Summary		
<i>Year</i>	<i>Site Usage</i>	<i>Adjacent Property Usage</i>
1922	Vacant land. The subject site is depicted as vacant land with relatively flat terrain. No structures are depicted on the subject site.	Vacant land. The adjacent properties are depicted as relatively flat to sloping vacant land. A paved road (North D Street) is present adjacent to the west of the subject site. No structures are depicted proximate to the subject site.
1946	Residential and vacant land. The subject site is occupied by two residential-type structures, including one in the central-western portion of the property adjacent to North D Street and one in the northeastern portion of the property. The remainder of the subject site is depicted as vacant land.	Rural residential and vacant land. The northern, southern, and eastern adjacent properties are occupied by rural residences and vacant land. The western adjacent property is depicted as vacant land. A rural residence is present northwest of the subject site.
1947	Residential and vacant land. The subject site is relatively unchanged from the 1946 map except for the presence of an unpaved road in the northern portion of the property leading to the northern-most on-site residence.	Rural residential and vacant land. The adjacent properties are relatively unchanged from the 1946 map.
1963	Residential and vacant land. The subject site is relatively unchanged from the 1947 map except two additional residential-type structures are present in the southwestern portion of the subject site adjacent to North D Street.	Rural residential and vacant land. The adjacent properties are relatively unchanged from the 1947 map except residences are present on the western adjacent property and additional residences are present on the northern and eastern adjacent properties.
1981	Residential and vacant land. The subject site is relatively unchanged from the 1963 map except an additional residential-type structure (the existing residence) is present in the northwestern portion of the subject site adjacent to North D Street.	Rural residential and vacant land. The adjacent properties are relatively unchanged from the 1963 map except residences are present on the northern adjacent property.
2012, 2015, 2018	The subject site is depicted within a mixed developed and undeveloped area north of the City of Madera. Map details include streets, highways and freeways, waterways, and surface elevation contours. Subject site features such as structures are not denoted.	The adjacent and surrounding property usage is depicted within a mixed developed and undeveloped area north of the City of Madera. Map details include streets, highways and freeways, waterways, and surface elevation contours. Property features such as structures are not denoted.

4.3 City Cross-Reference Directories

Krazan contracted with EDR to provide a review of available cross-reference directories dated between 1952 and 2020 for the subject site address and adjoining properties. A summary of cross-reference directory information is presented in the following table. Refer to Appendix A – *EDR - City Directory Image Report*, dated October 2, 2023 for details.

Cross-Reference Directories Summary		
<i>Address</i>	<i>Owner / Occupant</i>	<i>Years</i>
<i>Subject Site</i>		
16227 North D Street	Address Not Listed A. Placida (Residential Listing) Occupant Unknown H. Escobar (Residential Listing) Address Not Listed	1952 to 1969 1975 to 1995 2000 2005 2010 to 2020
16255 North D Street	Address Not Listed R. McAlister (Residential Listing) M. Williams (Residential Listing) E. Williams (Residential Listing) G. Wilson (Residential Listing) C. Salcido (Residential Listing) K. Williams (Residential Listing)	1952 to 1969 1975 to 2000 2005 2010 2014 2017 2020
16245 North D Street Potential Subject Site Address	Address Not Listed No Listings Address Not Listed	1952 to 1975 1980, 1985, 1990 1995 to 2020
<i>Adjacent Properties</i>		
<i>Adjacent to the North</i>		
16289 North D Street	Address Not Listed	1952 to 2020
16333 North D Street	Address Not Listed Residential Listings / No Return Address Not Listed Residential Listings / No Return	1952 to 1969 1975 to 1985 1990 to 2000 2005 to 2020
<i>Adjacent to the East</i>		
26691 Adell Street	Address Not Provided By EDR	---
<i>Adjacent to the South</i>		
Vacant Land	No Address	---
<i>Adjacent to the West</i>		
16280 North D Street	Address Not Listed Residential Listings / No Return / Occupant Unknown Address Not Listed	1952 to 1969 1975 to 2017 2020
16319 North D Street	Address Not Listed Residential Listings / No Return / Occupant Unknown Address Not Listed	1952 to 1969 1975 to 2017 2020
25633 Adell Street	Address Not Provided By EDR	---

Review of cross-reference directories indicates that portions of the subject site were utilized for residential purposes from at least 1975 until at least 2020. Information obtained from the review of cross-reference directories is consistent with that obtained from other historical sources during the course of this assessment. Krazan’s review of cross-reference directories did not identify evidence of current or historic RECs based on subject site or the adjacent property uses.

4.4 Aerial Photograph Interpretation

Historical aerial photographs were obtained from EDR and reviewed to assess the history of the subject site. According to review of the historical aerial photographs, the subject site was utilized for residential purposes from at least 1937 until at least 2020. Rural residences which included dwellings, barn-type structures, and smaller outbuildings were present in the central-western and/or northeastern portions of the subject site from at least 1937 until at least 1984, and varying portions of the subject site appear to be utilized for non-orchard agricultural purposes during this time interval. The aerial photograph summary is provided in the following table. Refer to Appendix A – *Aerial Photo Decade Package* dated October 2, 2023 for details.

Aerial Photograph Review Summary		
<i>Year</i>	<i>Site Use</i>	<i>Adjacent Properties</i>
1937	Rural residential and agricultural. The northeastern portion of the subject site appears to be occupied by a rural residence, including a dwelling, a barn-type structure, and several small outbuildings. The remainder of the northern portion of the subject site appears to be vacant land. The southern portion of the subject site appears to be utilized for agricultural purposes (dry farming).	Rural residential and agricultural. The northern adjacent property appears to be occupied by a rural residence and vacant land. The southern adjacent property appears to be dry farmed agricultural land. The eastern adjacent property appears to be occupied by outbuildings and vacant land associated with the northern adjacent property and dry farmed agricultural land. A rural residence is visible southeast of the subject site. An unpaved road (North D Street) is present adjacent to the west of the subject site, beyond which is dry farmed agricultural land.
1946	Rural residential and agricultural. The subject site is relatively unchanged from the 1937 photograph except: 1) a second rural residence, including a dwelling, a barn-type structure, and a smaller outbuilding, is visible in the central-western portion of the property, and 2) the barn previously noted in association with the northernmost rural residence is no longer present.	Rural residential and agricultural. The adjacent properties appear relatively unchanged from the 1937 photograph except rural residences have been developed on the southern and eastern adjacent properties, and an unpaved road (Adell Street) is present adjacent to the south of the subject site.

Aerial Photograph Review Summary (continued)		
<i>Year</i>	<i>Site Use</i>	<i>Adjacent Properties</i>
1950	Rural residential and agricultural. The subject site is relatively unchanged from the 1946 photograph except an additional structure, which appears to be a dwelling, has been developed in the central-western portion of the subject site.	Rural residential and agricultural. The adjacent properties appear relatively unchanged from the 1946 photograph except for the development of rural residences on the western adjacent property and additional rural residences on the northern adjacent property.
1962	Rural residential and agricultural. The subject site is relatively unchanged from the 1950 photograph except the subject site appears to be occupied by four residences, including one in the northeastern portion of the property and three residences in the southern portion of the subject site adjacent to North D Street.	Rural residential and agricultural. The adjacent properties appear relatively unchanged from the 1950 photograph except additional residences have been developed on the eastern and western adjacent properties.
1972	Rural residential and agricultural. The subject site is relatively unchanged from the 1962 photograph except the subject site appears to be occupied by five residences, including one in the northeastern portion of the property and four in the southern portion of the subject site adjacent to North D Street. The existing residence, the northern-most of the four residences adjacent to North D Street, has been developed since the 1962 photograph was taken.	Rural residential and agricultural/fallow land. The adjacent properties appear relatively unchanged from the 1962 photograph except the residence previously noted on the southern adjacent property is no longer present. The southern adjacent property appears to be vacant land.
1978	Rural residential and agricultural. The subject site appears relatively unchanged from the 1972 photograph. However, the quality of the 1978 aerial photograph is poor.	Rural residential and agricultural/fallow land. The adjacent properties appear relatively unchanged from the 1972 photograph. However, the quality of the 1978 aerial photograph is poor.
1981	Rural residential, agricultural, and fallow/vacant land. The subject site is relatively unchanged from the 1978 photograph except a significant portion of the subject site appears to be fallow/vacant land.	Rural residential and agricultural/fallow land. The adjacent properties appear relatively unchanged from the 1978 photograph.
1984	Rural residential, agricultural, and fallow/vacant land. The subject site is relatively unchanged from the 1981 photograph.	Rural residential and vacant/fallow land. The adjacent properties appear relatively unchanged from the 1981 photograph except the immediately adjacent properties do not appear to be cultivated.

Aerial Photograph Review Summary (continued)		
<i>Year</i>	<i>Site Use</i>	<i>Adjacent Properties</i>
1998	Rural residential and fallow/vacant land. The subject site is relatively unchanged from the 1984 photograph except for the removal of two of the five on-site residences, including one of the residences adjacent to North D Street and the residence previously located in the northeastern portion of the property.	Residential and vacant/fallow land. The adjacent properties appear relatively unchanged from the 1984 photograph except for the development of a residential subdivision adjacent to the southwest of the subject site.
2006	Residential and vacant land. The subject site is relatively unchanged from the 1998 photograph except for the removal of two of the three on-site residences. The two southern-most residences adjacent to North D Street have been removed from the property, with only the existing residence and associated outbuildings remaining on the subject site. The remainder of the subject site appears to be vacant land.	Residential and vacant/fallow land. The adjacent properties appear relatively unchanged from the 1998 photograph except for the development of a new single-family home on the western adjacent property.
2009, 2012, 2016, 2020	Residential and vacant land. The subject site is relatively unchanged from the 2006 photograph.	Residential and vacant/fallow land. The adjacent properties appear relatively unchanged from the 2006 photograph.

4.5 Municipal and County Records

Madera County Community & Economic Development Department - Building Division

On September 30, 2023, the Madera County Community & Economic Development Department - Building Division (MCBD) was contacted to obtain potential building permit records for the subject site APNs of 038-090-009 and 038-090-010. According to a representative of the Madera County Building Division, two building permit records are on file with the MCBD for the subject site, including, 1) a 2023 request for inspection of an abandoned house to determine if the structure, including unpermitted portions, could be repaired or would require demolition, and 2) a building permit finalized in October 2023 for reroof of the on-site dwelling. Information included in the 2023 abandoned house inspection document indicates that the original dwelling was constructed in 1969, a 400-square-foot garage conversion occurred in 1971, a small, attached shed was constructed in 1975 and a 1,516-square-foot addition was constructed in 1989. No permits for items of potential environmental concern such as fuel/hazardous materials underground storage tanks and no permits for previous structures/features were provided by the Madera County Building Division for the subject site APNs.

Madera County Fire Department

The Madera County Fire Department (MCFD) has jurisdiction for the fire protection for the subject site and the immediate vicinity. Representatives of the Madera County Fire Department have indicated that hazardous materials storage and spill/release incident records are maintained by the Madera County Environmental Health Division. Additionally, hazardous materials spill/release incident records have historically been filed according to the date of occurrence and not by the location of occurrence by the Madera County Fire Department. Consequently, no hazardous materials records are on file with the Madera County Fire Department for the subject site. Furthermore, as discussed in Section 6.4 of this report, Krazan's October 1, 2023 review of the State of California Office of Emergency Services Spill Reports database indicated that no hazardous materials spill reports are included in the Spill Reports database for the subject site addresses of 16227 or 16255 North D Street.

4.6 Previous Environmental Assessments

No previous environmental assessments of the subject site were provided to Krazan by Crawford & Bowen Planning Inc. for review as part of this Phase I ESA.

4.7 Agricultural Chemicals

Review of historical aerial photographs indicates that portions of the subject site were utilized for agricultural purposes from at least 1937 until at least 1984. Although the potential exists that environmentally persistent pesticides/herbicides were historically applied to crops grown on the subject site circa 1930s to mid-1970s; 1) the subject site appears to have been dry farmed in 1937 and dry farming has not been typically associated with the use of environmentally persistent pesticides/herbicides, 2) the subject site does not appear to have been occupied by an orchard which is typically more directly correlated with adverse impacts from the historical use of environmentally persistent pesticides/herbicides, 3) no material evidence of the use of environmentally persistent pesticides/herbicides was obtained during the course of this assessment, and 4) it is anticipated that any environmentally persistent pesticides/herbicides potentially located on site will be dislocated and diluted as a result of the grading and trenching operations which will be conducted in connection with the proposed redevelopment of the property. Consequently, given the above-referenced factors and Krazan's experience in the subject site vicinity, the potential for elevated concentrations of environmentally persistent pesticides/herbicides related to crop cultivation to exist in the near-surface soils of common agricultural ground at concentrations which would require regulatory action appears to be low.

5.0 USER-PROVIDED INFORMATION

A review of user-provided information was conducted in order to help identify pertinent information regarding potential environmental impacts associated with the subject site.

5.1 Environmental Liens/Activity and Use Limitations Report

An Environmental Lien/Activity and Use Limitations (EL/AUL) Report for the subject site APN was not provided to Krazan by Crawford & Bowen Planning, Inc, Phase I ESA user.

5.2 Title Report

A Title Report for the subject site APN was not provided to Krazan by Crawford & Bowen Planning, Inc, the Phase I ESA user.

5.3 Interviews

Krazan conducts interviews with the owner of the subject site, a key site manager, subject site occupant(s), and/or the previous owner/occupant(s) of the subject site. The interview(s) is/are designed to provide pertinent information regarding potential environmental impacts associated with the subject site.

Subject Site Owner - An interview was conducted with Mr. Nadeem Ahmad, the owner of the subject site, via his completion of an environmental questionnaire. According to the October 9, 2023 questionnaire responses, Mr. Ahmad indicated that he has been familiar with the subject site for approximately two years. Mr. Ahmad indicated that the subject site is utilized for residential purposes and one structure is located on site. Mr. Ahmad indicated that residential structures were previously located on the subject site; however, otherwise he has no knowledge of previous uses of the subject site. Mr. Ahmad indicated that one septic system is located on site and the on-site dwelling is connected to municipal water service. Mr. Ahmad indicated that he is not aware of the presence of any imported soil on the subject site.

According to Mr. Ahmad, to the best of his knowledge, no use, storage, or disposal of hazardous materials; no existing or former ASTs or USTs; no hazardous materials spills, no environmental cleanups, no on-site treatment and/or discharge of waste; no environmental liens, AULs, engineering or institutional controls, no on-site dry wells, sumps, or disposal ponds; no buried materials; no monitoring, domestic, or irrigation wells; or any items of environmental concern are associated with the subject site. Mr. Ahmad indicated that he is not aware of any obvious indications pointing to the presence or likely presence of contamination of the subject property, nor is he aware of any soil or groundwater contamination issues at or proximate to

the subject site. Mr. Ahmad indicated that the reason for preparation of this Phase I ESA is related to a proposed property development and indicated that the purchase price of the subject site reasonably reflects fair market value. Refer to Appendix B – *Phase I ESA Questionnaires* for details.

Previous Subject Site Owner Interview

A Phase I ESA interview with a previous owner of the subject site was not conducted as contact information was not reasonably available.

5.4 Phase I Environmental Site Assessment User Questionnaire

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiry* is not complete. The user is asked to provide information or knowledge of the following:

1. Environmental cleanup liens that are filed or recorded against the site.
2. Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry.
3. Specialized knowledge or experience of the person seeking to qualify for the LLPs.
4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated.
5. Commonly known or *reasonably ascertainable* information about the *property*.
6. The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation.
7. The reason for preparation of this Phase I ESA.

On October 5, 2023, a completed Phase I ESA User questionnaire was received from Ms. Emily Bowen, representative of Crawford & Bowen Planning, Inc., Kraزان's client and one of the Phase I ESA users. According to the questionnaire responses, Ms. Bowen, to the best of her knowledge as the user of this Phase I ESA, was not aware of any environmental cleanup liens and/or activity or land use limitations which have been filed or recorded against the subject site. Ms. Bowen indicated that she has no knowledge of the historical uses of the subject site. Ms. Bowen has no specialized knowledge or experience of the prior nature of the business or chemical utilization on the subject site. Ms. Bowen indicated that she did not have knowledge of the past or current presence of specific chemicals or hazardous materials, unauthorized spills

or chemical releases or of any environmental cleanups in connection with the subject site. Ms. Bowen indicated that she is not aware of any obvious indications pointing to the presence or likely presence of contamination of the subject property. Ms. Bowen indicated that the reason for preparation of this Phase I ESA is related to a request by the City of Madera for CEQA compliance. Refer to Appendix B – *Phase I ESA Questionnaires* for details.

6.0 SITE RECONNAISSANCE

A site reconnaissance, which included a visual observation of the subject site and surrounding properties, was conducted by Mr. Bill Vick, Krazan’s Environmental Professional, on October 9, 2023. Mr. Nadeem Ahmad, the owner of the subject site, escorted Krazan’s Environmental Professional during a portion of the site reconnaissance. The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions, including hazardous substances and petroleum products, in connection with the property (including soils, surface waters, and groundwater).

6.1 Observations

The following table summarizes the subject site features encountered during our site reconnaissance. Observed features are noted in the table below and described in detail below the table. Refer to Figure No. 3 - *Site Map* and *Photographs* for locations and details pertaining to site-specific features discussed in this section of the report.

Site Reconnaissance Summary		
<i>Features</i>	<i>Observed</i>	<i>Not Observed</i>
Structures (existing)	X	
Evidence of Past Uses (foundations, debris)	X	
Hazardous Substances and/or Petroleum Products (including containers)		X
Aboveground Storage Tanks (ASTs)		X
Underground Storage Tanks (USTs) or evidence of USTs		X
Evidence of Underground Pipelines (non-irrigation)		X
Strong, Pungent, or Noxious Odors		X
Pools of Liquid likely to be Hazardous Materials or Petroleum Products		X
Drums		X
Unidentified Substance Containers		X
Potential Polychlorinated Biphenyl (PCB)-Containing Equipment		X
Subsurface Hydraulic Equipment		X
Heating/Ventilation/Air Conditioning (HVAC)		X
Stains or Corrosion on Floors, Walls or Ceilings	X	
Floor Drains, Sumps, or Oil/Water Clarifiers		X
Storm Drains		X
Pits, Ponds, or Lagoons		X
Stained Soil and/or Pavement		X
Soil/Debris Piles	X	
Stressed Vegetation		X
Waste or Wastewater (including stormwater) Discharges to Surface/Surface Waters		X

Site Reconnaissance Summary (continued)		
<i>Features</i>	<i>Observed</i>	<i>Not Observed</i>
Wells (Irrigation, Domestic, Dry, Injection, Abandoned, Monitoring Wells)	X	
Septic Systems	X	
High-voltage, tower-mounted transmission lines		X

At the time of the site reconnaissance, the northwestern portion of the subject site was occupied by a partially boarded stick-built dwelling with a structural footprint of approximately 4,500 square feet and unkempt grounds surrounding the dwelling. Remnants of a small outbuilding approximately 50 square feet in area were present in the central-western portion of the property and the remainder of the subject site was primarily vacant land. The dwelling, associated with an address of 16255 North D Street, was unoccupied and largely empty. However, prior to Mr. Ahmad’s ownership of the property the dwelling had been inhabited by transients and damage associated with the prior transient usage was apparent. Damaged wallboard/wall surfacing materials were observed in several locations, minor staining was noted on the building foundation in several places, water-related staining was noted in the bathrooms, and ceiling staining consistent with previous water intrusion was observed in several locations. Based on the apparent evidence of previous water intrusion, the potential exists for the presence of mold growth within the on-site dwelling. Additionally, blown (spray-on) ceiling materials which generally appeared to be well painted and did not appear to be water stained on the ceiling surface were observed in several rooms. No hazardous materials or hazardous waste were observed within the on-site dwelling, although based on the age of the structure the potential exists that the on-site dwelling may include asbestos-containing materials and/or lead-based paint. Mr. Ahmad stated that he had recently replaced the roof and plans to rehabilitate the dwelling for use as a rental. A natural gas valve/meter was observed on the north side of the dwelling. No obvious evidence of a septic system or domestic water well was noted. Mr. Ahmad stated that the dwelling is connected to municipal water service and an on-site septic system; however, he was unsure of the location of the septic system.

The dilapidated outbuilding contained discarded clothing, bedding, and food/beverage containers consistent with previous transient usage. The structure had no roof and appeared to be partially constructed of hand-made bricks and mortar. No hazardous materials or hazardous waste were observed within the visible portions of the mounded materials present within the walls of the structure, nor were any noted adjacent to the outbuilding.

Numerous piles/mounds of vegetative debris which covered an area of approximately 0.5 acres were observed in the northeastern portion of the subject site. The vegetative debris was observed to be primarily weathered landscape bark/shredded bark, with lesser amounts of weathered palm fronds and tree branches/trunk sections present. The weathered bark material appeared consistent with material removed from landscaping beds in association with landscaping renovation work. Examination of several piles with a hand pick to 2+ feet in depth revealed the piles to be relatively homogenous mounds of weathered bark material. Mr. Ahmad stated that the previous owner of the subject site owned a landscape business of some sort, and the previous owner indicated that he had placed the material on the subject site in connection with the operation of his business. Other than two vehicle tires resting on top of one of the bark mounds, no other materials were observed in this portion of the subject site. No odors, surface staining, stressed vegetation, or other obvious indication of the presence of hazardous materials or hazardous waste were noted in this portion of the subject site.

Discarded materials and/or debris were observed at several locations within the subject site including: 1) a historical residential area located in the northeastern portion of the subject site where a deteriorated fiberglass boat, plastic pipe, a plastic car bumper, two pallets of small rock slabs, a grocery cart, and wood debris were present, 2) an area adjacent to the east of the dwelling where a water heater, a swamp cooler, and sheet metal debris were present, and 3) an area in the southeastern portion of the subject site where vegetative debris, household goods, discarded clothing, and litter were present. No hazardous materials or hazardous waste were observed among the above-referenced discarded materials and debris.

An apparent former domestic water well was observed in the northeastern portion of the subject site previously occupied by a rural residence. The well is an open PVC pipe protruding from the ground surface without a cover or pump/conveyance equipment. No evidence of the prior use of a diesel-powered pump motor was noted proximate to the well pad. A bare wooden utility pole present in this portion of the property suggests that the water well was electrically powered when operational. No hazardous materials were present proximate to the water well.

The remainder of the subject site not occupied by the previously referenced structures/features was observed to be occupied by unpaved driveways/parking areas proximate to the dwelling and vacant land. No evidence of hazardous materials storage or hazardous waste was observed within these portions of the subject site.

During the visual observations of the subject site, no hazardous materials or hazardous waste were observed. No noxious odors or stressed vegetation were noted. Exposed surface soils did not exhibit obvious signs of discoloration. No obvious evidence (vent pipes, fill pipes, dispensers, etc.) of USTs was noted within the areas observed. No high-voltage tower-mounted electrical transmission lines were observed on the subject site.

Pole-mounted electrical transformers were observed near the western boundary of the subject site which appear to be located just off-site. The Pacific Gas & Electric (PG&E) Company appears to be the owner of the transformers. The transformers were not labeled as to their polychlorinated biphenyl (PCB) status. The transformer casings displayed no visual evidence of leakage and the ground surface below the transformers displayed no evidence of discoloration at the time of Krazan's site reconnaissance. Based on the above-referenced considerations, the transformers are not currently considered to represent an environmental concern in connection with the subject site.

6.2 Adjacent Streets and Property Usage

The following table summarizes the current adjacent streets and adjacent property uses observed during the site reconnaissance:

Adjacent Streets and Property Usage		
<i>Direction</i>	<i>Adjacent Street</i>	<i>Adjacent Property Usage</i>
North	None	Rural Residential, Vacant Land
South	Adell Street	Vacant Lot
East	None	Rural Residential, Vacant Land
West	North D Street	Rural Residential, Vacant Land

Based on the observed uses of the properties located immediately adjacent to the subject site, it is unlikely that significant quantities of hazardous materials currently are stored at these properties.

6.3 ASTM Non-Scope Considerations

According to ASTM E 1527-21, there may be environmental issues or conditions at assessed properties that are outside the scope of the Phase I ESA practice (non-scope considerations). Some substances may be present in quantities and under conditions that may lead to contamination of the subject site or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601[14]). ASTM Non-scope considerations appropriate for the subject site are discussed below.

Asbestos-Containing Materials

Asbestos is a group of naturally occurring mineral fibers that have been used commonly in a variety of building construction materials for insulation and as a fire-retardant. Because of its fiber strength and heat resistant properties, asbestos has been used for a wide range of manufactured goods, mostly in building materials, vehicle brakes, and heat-resistant fabrics, packaging, gaskets, and coatings. When asbestos-containing materials (ACMs) are damaged or disturbed by repair, remodeling, or demolition activities, microscopic asbestos fibers may become airborne and can be inhaled into the lungs, where they can cause significant health problems.

The dwelling located on the subject site was originally constructed in approximately 1969. It is unknown if the on-site dwelling contains ACMs. An asbestos survey and sampling of the on-site dwelling was not included within the scope of this assessment. However, based on the apparent date of construction, ACMs may be present at the subject site. Prior to the disturbance of any suspect ACMs at this property, a comprehensive asbestos survey designed to determine if the suspect ACM is a regulated material is recommended.

Lead-Based Paint

Although lead-based paint (LBP) was banned in 1978, many buildings constructed prior to 1978 have paint that contains lead. Lead from paint, chips, and dust can pose serious health hazards if not addressed properly.

The dwelling located on the subject site was originally constructed in approximately 1969. It is unknown if the on-site dwelling contains LBP. A lead-based survey and sampling of the on-site dwelling was not included within the scope of this assessment. However, based on the apparent date of construction, lead-based paint may be present at the subject site. Prior to the disturbance of any suspect LBP at this property, a comprehensive lead-based paint survey designed to determine if the suspect LBP is a regulated material is recommended.

Radon

Radon is a radioactive gas that is found in certain geologic environments and is formed by the natural breakdown of radium, which is found in the earth's crust. A radon survey was not included within the scope of this investigation; however, the State of California Department of Public Health (CDPH) maintains a statewide database of radon results in designated geographic areas. Radon detection devices are placed in homes throughout the study region to determine geographic regions with elevated radon concentrations.

The U.S. EPA has set the safety standard for radon gas in homes to be 4.0 pico Curies per liter (pCi/L).

The US EPA has prepared a map to assist National, State and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action Limit of 4.0 pCi/L. It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures. Review of the EPA Map of Radon Zones places the Property in Zone 2, where average predicted radon levels are between 2.0 and 4.0 pCi/L. Therefore, the available data suggests that the potential for radon to adversely impact the subject site appears to be low.

Wetlands

As defined by the U.S. EPA and the Department of Army, Corps of Engineers, wetlands are “those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.” Jurisdictional wetlands are regulated under Section 404 of the Clean Water Act (1972, 1977, and 1987, and also the 1985 and 1990 Farm Bills), and are important for protection of aquatic waterfowl and species, water purification, and flood control. According to current Corps of Engineers information, three basic criteria are currently used to define wetlands:

- Wetland hydrology - areas exhibiting surface or near-surface saturation or inundation at some point in time (greater than 12.5 percent of growing season defined on basis of frost-free days) during an average rainfall year.
- Hydrophilic vegetation - frequency of occurrence of wetland indicator plants (plant life growing in water, soil, or substrate that is periodically deficient in oxygen as a result of excessive water content).
- Hydric soil - landscape patterns identified by saturation, flooding, or ponding long enough during the growing season (generally seven days) which develop characteristic color changes in the upper part of the soil as a result of anaerobic conditions.

Based on Krazan’s reconnaissance of the subject site, evidence was not apparent to suggest that the site contained a wetland. Furthermore, according to the U. S. Fish & Wildlife Service (USFWS) National Wetlands Inventory available via the USFWS Internet website on September 30, 2023, the subject site does not contain a designated wetland. Therefore, at this time, regulations pertaining to wetlands do not appear to impact the subject site.

Environmental Non-Compliance Issues

No material non-compliance issues were identified in connection with the subject site in the process of preparing this report.

Activity and Use Limitations

No activity and use limitations were identified in connection with the subject site in the process of preparing this report.

6.4 Regulatory Agency Records Review

A review of Federal and State regulatory databases was conducted to help determine if hazardous materials have been handled, stored, or generated on the subject site and/or the adjacent properties and businesses. The Federal and State environmental databases consulted in the course of this assessment were compiled by Environmental Data Resources, Inc. (EDR) and identified facilities within the search distances specified in ASTM 1527-21. Krazan did not verify the locations and distances of every property listed by the EDR Radius Map Report. Krazan verified the location and distances of the properties Krazan deemed as having the potential to adversely impact the subject site. The actual location of the listed properties may differ from the EDR listing. No EDR-listed unmapped (non-geocoded) sites identified were determined to be located on or adjacent to the subject site. Refer to Appendix C – *EDR Radius Map Report* dated September 29, 2023 for the Map Findings Summary and complete details of the complete report.

Regulatory records are reviewed based on the following criteria: 1) properties with known soils and/or groundwater releases considered to represent the potential for impact to the subject site that are located within 1,760 feet of the subject site for constituents of concern impacts or 528 feet of the subject site for petroleum hydrocarbon impacts; 2) properties that are adjacent or in proximity to the subject site included within the EDR regulatory database report or noted during the site reconnaissance to possibly handle, store, or generate hazardous materials. Applicable property records are discussed below.

No Federal Superfund – National Priorities List (NPL) sites were determined to be located within a one-mile radius of the subject site.

State of California Environmental Protection Agency

Krazan's October 1, 2023 review of the State of California Environmental Protection Agency (CalEPA) – Department of Toxic Substances Control (DTSC) Envirostor database available via the DTSC's Internet Website indicated that no records of cleanup sites including State response sites, voluntary cleanup sites,

school cleanup sites, or military or school evaluation sites are listed for the subject site, the adjacent properties, or properties located within 500 feet of the subject site.

State of California Regional Water Quality Control Board - GeoTracker

Krazan's October 1, 2023 review of the State of California Regional Water Quality Control Board (RWQCB) GeoTracker database available via the RWQCB Internet Website did not identify any cleanup sites including LUST sites, cleanup program sites, or military sites at the subject site, the adjacent properties, or properties located within 500 feet of the subject site.

California Department of Conservation, California Geologic Energy Management Division

Krazan's October 1, 2023 review of the State of California Department of Conservation, California Geologic Energy Management Division (CalGEM) Online Mapping System indicated that no plugged and abandoned or producing oil wells are located on or adjacent to the subject site.

State of California Office of Emergency Services – Spills Database

Krazan's October 1, 2023 review of the State of California Office of Emergency Services (Cal OES) Spill Reports database, available via the Cal OES website indicated that no hazardous materials spill reports are included in the Cal OES Spill Reports database for the subject site addresses of 16227 or 16255 North D Street.

Madera County Community & Economic Development Department–Environmental Health Division

The Madera County Community & Economic Development Department – Environmental Health Division (MCEHD) is the lead regulatory agency or Certified Unified Program Agency (CUPA) for hazardous materials handling facilities located in Madera County. On September 30, 2023, the Madera County Environmental Health Division was contacted regarding potential hazardous materials records including AST, UST, leaking underground storage tank (LUST), hazardous materials business plan (HMBP), hazardous material release, environmental cleanup/site mitigation and/or hazardous waste generator records for the subject site addresses of 16227 and 16255 North D Street and APNs of 038-090-009 and 038-090-010. According to Mr. Brandon Nishimoto, representative of the Madera County Environmental Health Division, no hazardous materials records are on file the MCEHD for the referenced subject site property.

Additionally, according to the California Environmental Reporting System (CERS) database available via the CalEPA Regulated Site Portal at the CalEPA website, no HMBP chemical inventory records and no CUPA compliance evaluation inspection records are included in the database for the northern, southern,

eastern, or western adjacent properties suggesting that hazardous materials are not stored in reportable quantity and that hazardous waste is not generated in reportable quantity at these properties.

Regulatory Database Review

Several agencies have published documents that list businesses or properties which have handled hazardous materials or waste or may have experienced site contamination. The lists consulted in the course of our assessment were compiled by EDR and Krazan and represent reasonably ascertainable current listings. Krazan did not verify the locations and distances of every property listed by EDR. Krazan verified the location and distances of the properties Krazan deemed as having the potential to adversely impact the subject site. The actual location of the listed properties may differ from the EDR listing. No EDR-listed unmapped (non-geocoded) sites identified were determined to be located on or adjacent to the subject site.

- The subject site addresses/location were not listed in the EDR regulatory database report.
- No EDR-listed facilities are actually located adjacent to the subject site. Pentecostal Church, identified as 15877 North D Street, is listed as a HAZNET and HWTS site located adjacent to the subject site. However, the Pentecostal Church/15877 North D Street address is actually located 700 feet south of the subject site. The HAZNET and HWTS listings for this facility are associated with the off-site disposal of asbestos-containing building materials. The removal and off-site disposal of asbestos-containing building materials at a property located 700 feet distant does not represent an environmental concern in connection with the subject site.

Hazardous Materials Migration in Soils and/or Groundwater

No sites with reported releases of hazardous materials to the subsurface were reported within a 2,000-foot radius of the subject site. In general, potentially hazardous materials or petroleum products released from facilities located generally hydraulically upgradient within the subject site vicinity, or in a hydraulically cross-gradient direction in proximity to the site, may have a reasonable potential of migrating to the subject site via groundwater flow. This opinion is based on the assumption that non-vaporous hazardous materials generally do not migrate large distances laterally within the soil, but rather tend to migrate with groundwater in the general direction of groundwater flow. However, the potential for migration of volatile hazardous materials may include movement within soils, groundwater flow or potentially omni-directionally if present in a vaporous state.

Hazardous Materials Migration in Vapor

Hazardous materials or petroleum product vapors which may have the potential to migrate into the subsurface of the subject site may be caused by the release of vapors from contaminated soil or groundwater either on or in the vicinity of the subject site from current or historical uses of the subject site and/or adjacent

or vicinity properties. Current or past land uses such as gasoline stations (using petroleum hydrocarbons), dry cleaning establishments (using chlorinated volatile organic compounds), former manufactured gas plant sites (using volatile and semi-volatile organic compounds), and former industrial sites such as those that had vapor degreasing or other parts-cleaning operations (using chlorinated volatile organic compounds) are of particular concern. Constituent of concern vapors are capable of migrating great distances omnidirectionally along subsurface conduits such as pipelines, utility lines, sewer and stormwater lines, and building foundations.

Based on Krazan's observations and review of State and local regulatory agency records and the EDR regulatory database report, no listings of concern related to potential vapor migration were determined to be associated with the subject site, adjacent properties, or properties located within the subject site vicinity.

The rationale supporting this opinion includes the following:

- Relevant sites had undergone investigation and remediation sufficient to receive regulatory agency closure.
- Sites with reported releases of minor quantities of constituents of concern (COCs), or COCs of limited volatility impacting soil only were considered of minimal concern.
- Sites with reported releases of COCs including volatile organic compounds (VOCs) were either of sufficient distance or hydraulically down- or cross-gradient from the subject site such that they do not appear to represent a significant potential for vapor migration on the subject site.

No engineering control sites, sites with institutional controls, or sites with deed restrictions were listed for the subject site, adjacent sites or vicinity properties in the EDR Report.

7.0 DISCUSSION OF FINDINGS

Summary of Conclusions		
<i>Apparent Evidence of RECs/CRECs or PAOCs From</i>	<i>Not Noted</i>	<i>Noted</i>
Historical Uses		X
Current Uses	X	
Adjacent or Vicinity Property Uses	X	

Historical Uses

Based on Krazan's review of historical aerial photographs, historical topographic maps, and historical cross-reference directories, a site reconnaissance, contacts with the local regulatory agencies, and an interview with the owner of the subject site, there is no material evidence that RECs exist in connection with the historical uses of the subject site. However, potential areas of concern (PAOCs) were identified in connection with the historical uses of the subject site which are discussed in Section 8.0 of this report.

Current Uses

Based on Krazan's site reconnaissance, contacts with local regulatory agencies, and an interview with the owner of the subject site, there is no material evidence that RECs exist in connection with the current uses of the subject site. However, ASTM non-scope issues and site development issues were identified in connection with the subject site which are discussed in Section 8.0 of this report.

Adjacent or Vicinity Property Uses

Based on Krazan's field observations, review of the EDR government database report, and consultation with local regulatory agencies, there is no material evidence that RECs exist in connection with the subject site from adjacent or vicinity property uses.

7.1 **Evaluation of Data Gaps/Data Failure**

In accordance with ASTM E 1527-21 guidance, data gaps represent a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice. Data failure represents the failure to achieve the historical research objectives of this practice even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

The following is a summary of data gaps encountered in the process of preparing this report including an observation as to the presumed significance of that data gap to the conclusions of this assessment:

- Absence of Final Title Report or Environmental Lien Search (Sections 5.1 and 5.2)

A Final Title Report or Environmental Lien Search were not provided by the Phase I ESA user; therefore, a data gap exists. Taken in consideration with the available information obtained in the course of preparing this report in connection with professional experience, there is no evidence to suggest that this data gap might alter the conclusions of this assessment. However, the contents of a Final Title Report or Environmental Lien Search are unknown.

- Absence of Interview with Previous Property Owner/Occupant (Section 5.3)

A Phase I ESA interview with the previous owner of the subject site was not reasonably ascertainable. Consequently, information regarding the history and historical uses of the subject site obtained from an interview of the previous owner of the subject site constitutes a data gap. Taken in consideration with the available information obtained in the course of preparing this report in connection with professional experience, there is no evidence to suggest that this data gap might alter the conclusions of this assessment. However, the content of an interview with the previous property owner is unknown.

8.0 CONCLUSIONS

We have conducted a Phase I ESA of the subject site in conformance with the scope and limitations of the ASTM E 1527-21 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* guidance documents. Any deviations from this practice were previously described in this report. During the course of this assessment, Krazan identified no evidence of recognized environmental conditions (RECs), controlled RECs (CRECs) or historical RECs (HRECs) in connection with the subject site as defined by ASTM E 1527-21. However, the following potential areas of concern (PAOCs), ASTM non-scope issues, and site development issues were identified in connection with the subject site:

PAOCs

- Krazan's review of historical aerial photographs indicates that rural residential areas, including dwelling-type structures, barn type structures, and smaller outbuildings, were present in the northeastern portion of the subject site circa 1937 and in the central-western portion of the subject site circa 1946. Two additional dwellings were developed in the central-western portion of the subject site by 1962, and a third dwelling was developed in the northwestern portion of the property circa 1969. The two rural residential areas and the three additional dwellings were present on site until at least 1984. Additionally, historical aerial photographs of the subject site and surrounding vicinity taken between 1937 and 1984 indicate the presence of on- and off-site farming operations during this time interval expected to utilize fuel-powered trucks and tractors/farm equipment. Mr. Nadeem Ahmad, the owner of the subject site familiar with the subject site for the past 23 months, indicated that he was unaware of underground storage tanks (USTs) being located at the subject site, and no records of USTs for the subject site are on file with the local regulatory agencies. However, USTs on rural or agricultural properties historically have been exempt from requirements for registration with regulatory agencies. Krazan's experience with such properties has shown that it is not uncommon for property owners/operators to install USTs for their convenience, especially in the vicinity of structures, which are undocumented and whose presence would remain unknown in spite of the standard data research conducted in the course of this Phase I ESA. It is therefore possible that subsurface features such as unregistered USTs may exist in the vicinity of the existing and/or former on-site structures which remain unknown based upon the absence of any regulatory, municipality, interview data, or other evidence indicating their presence or location. Consequently, despite an absence of data suggesting their presence, the presence or absence of USTs associated with the subject site prior to the current owner of the subject site is unknown.

ASTM Non-Scope Issues

- The dwelling located on the subject site was originally constructed in approximately 1969. It is unknown if the on-site dwelling contains asbestos-containing materials (ACMs) or lead-based paint (LBP). An asbestos and/or lead-based paint survey and sampling of the on-site dwelling were not included within the scope of this assessment. However, based on the apparent date of construction, ACMs and lead-based paint may be present at the subject site. Prior to the disturbance of any

suspect ACMs or LBP at this property, a comprehensive asbestos survey and lead-based paint survey are recommended.

Site Development Issues

- According to Mr. Ahmad, the on-site dwelling is currently connected to municipal potable water service and is not associated with an on-site domestic water well. However, Krazan's review of historical aerial photographs indicates that three additional dwellings developed in or before 1962 were located adjacent to North D Street. Domestic water wells were possibly associated with these dwellings prior to the availability of municipal water service. Additionally, during Krazan's October 9, 2023 site reconnaissance, a water well presumed to be a former domestic well was observed in the northeastern portion of the subject site in an area historically occupied by a rural residence. If the existing water well and/or any additional water wells identified during the planned redevelopment of the subject site are not to be utilized, it/they should be properly destroyed in accordance with State and local guidelines.

According to Mr. Ahmad, the existing on-site dwelling is connected to an on-site septic system located proximate to the dwelling. The presence of the septic system is not anticipated to have adversely impacted the subject site due to its reported use for domestic purposes only. Additionally, septic systems were possibly associated with the three historical dwellings located south of the existing dwelling along North D Street, as well as with the former dwelling previously located in the northeastern portion of the subject site. If the existing septic system is not to be utilized in the planned redevelopment of the subject site, and/or if a septic system associated with the historical dwellings is identified during the planned redevelopment which is not to be utilized, it/they should be properly abandoned or removed in accordance with State and local guidelines.

9.0 RELIANCE

This report was prepared solely for use by Client and should not be provided to any other person or entity without Krazan & Associates' prior written consent. No party other than Client may rely on this report without Krazan & Associates' express prior written consent. Reliance rights for third parties will only be in effect once requested by Client and authorized by Krazan & Associates with authorization granted by way of a Reliance Letter. The Reliance Letter will require that the relying party(ies) agree to be bound to the terms and conditions of the agreement between Client and Krazan & Associates as if originally issued to the relying party(ies), or as so stipulated in the Reliance Letter.

10.0 LIMITATIONS

The site reconnaissance and research of the subject site has been limited in scope. This type of assessment is undertaken with the calculated risk that the presence, full nature, and extent of contamination would not be revealed by visual observation alone. Although a thorough site reconnaissance was conducted in accordance with ASTM Guidelines and employing a professional standard of care, no warranty is given, either expressed or implied, that hazardous material contamination or buried structures, which would not have been disclosed through this investigation, do not exist at the subject site. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used.

The findings presented in this report were based upon field observations during a single property visit, review of available data, and discussions with local regulatory and advisory agencies. Observations describe only the conditions present at the time of this investigation. The data reviewed and observations made are limited to accessible areas and currently available records searched. Krazan cannot guarantee the completeness or accuracy of the regulatory agency records reviewed. Additionally, in evaluating the property, Krazan has relied in good faith upon representations and information provided by individuals noted in the report with respect to present operations and existing property conditions, and the historical uses of the property. It must also be understood that changing circumstances in the property usage, proposed property usage, subject site zoning, and changes in the environmental status of the other nearby properties can alter the validity of conclusions and information contained in this report. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used.

This report is provided for the exclusive use of the client noted on the cover page and shall be subject to the terms and conditions in the applicable contract between the client and Krazan. Any third-party use of this report, including use by Client's lender, shall also be subject to the terms and conditions governing the work in the contract between the client and Krazan. The unauthorized use of, reliance on, or release of the information contained in this report without the express written consent of Krazan is strictly prohibited and will be without risk or liability to Krazan.

Conclusions and recommendations contained in this report are based on the evaluation of information made available during the course of this assessment. It is not warranted that such data cannot be superseded by future environmental, legal, geotechnical or technical developments. Consequently, given the possibility for unanticipated hazardous conditions to exist on a subject site which may not have been discovered, this Phase I ESA is not intended as the basis for a buyer or developer of real property to waive their rights of recovery based upon environmental unknowns. Parties that choose to waive rights of recovery prior to site development do so at their own risk.

Parties who seek to rely upon Phase I Environmental Site Assessment reports dated more than 180 days prior to the date of reliance do so at their own risk. This limitation in reliance is based on the potential for physical changes at the site, changes in circumstances, technological and professional advances, and guidance related to the continued viability of Environmental Site Assessment reports, user's responsibilities, and requirements for updating of components of the inquiry as stated in the ASTM Standard E 1527-21.

11.0 QUALIFICATIONS

This Phase I ESA was conducted under the supervision or responsible charge of Krazan's undersigned environmental assessor with oversight from the undersigned environmental professional. The work was conducted in accordance with ASTM E 1527-21 guidance, generally accepted industry standards for environmental due diligence in place at the time of the preparation of this report, and Krazan's quality-control policies.

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

Respectfully submitted,
KRAZAN & ASSOCIATES, INC.



William H. Vick, PhD
Environmental Professional



Laurie K. Blakeman
Sr. Environmental Project Manager

WHV/LKB/mlt

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- U.S. Environmental Protection Agency (EPA) *Map of Radon Zones*.
- U.S. Fish & Wildlife Service National Wetland Inventory *Wetlands Mapper*:
<http://www.fws.gov/wetlands/Data/Mapper.html>
- U.S. Geological Survey, 7.5-minute Madera, California topographic quadrangle map, dated 1981.

GLOSSARY OF TERMS

Subject Site: The real property being investigated under this Phase I ESA.

Adjacent Properties: Properties which are contiguous with the subject site, or would be contiguous except for a street, road, or other public thoroughfare.

Subject Site Vicinity: Properties located within a 500-foot radius of the subject site.

Environmental Professional: A person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). The EP may be an independent contractor or an employee of the user.

User: The party seeking to use Practice E 1527 to complete an environmental site assessment of the subject site. A user may include, without limitation, a potential purchaser of the subject site, a potential tenant of the subject site, an owner of the subject site, a lender, or a property manager.

Recognized Environmental Condition (REC): In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by this practice is to identify recognized environmental conditions. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.

Controlled Recognized Environmental Condition (CREC): A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). For example, if a leaking underground storage tank has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria, this would be considered a CREC. The “control” is represented by the restriction that the property use remain commercial. A condition considered by the environmental professional to be a CREC shall be listed in the findings section of the Phase I ESA report and as an REC in the conclusions section. A condition identified as a CREC does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.

Historical Recognized Environmental Condition (HREC): A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release an HREC, the environmental professional must determine whether the past release is an REC at the time the Phase I ESA is conducted (for example, if there has been change in the regulatory criteria). If the EP considers the past release to be an REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as an REC.

GLOSSARY OF TERMS (continued)

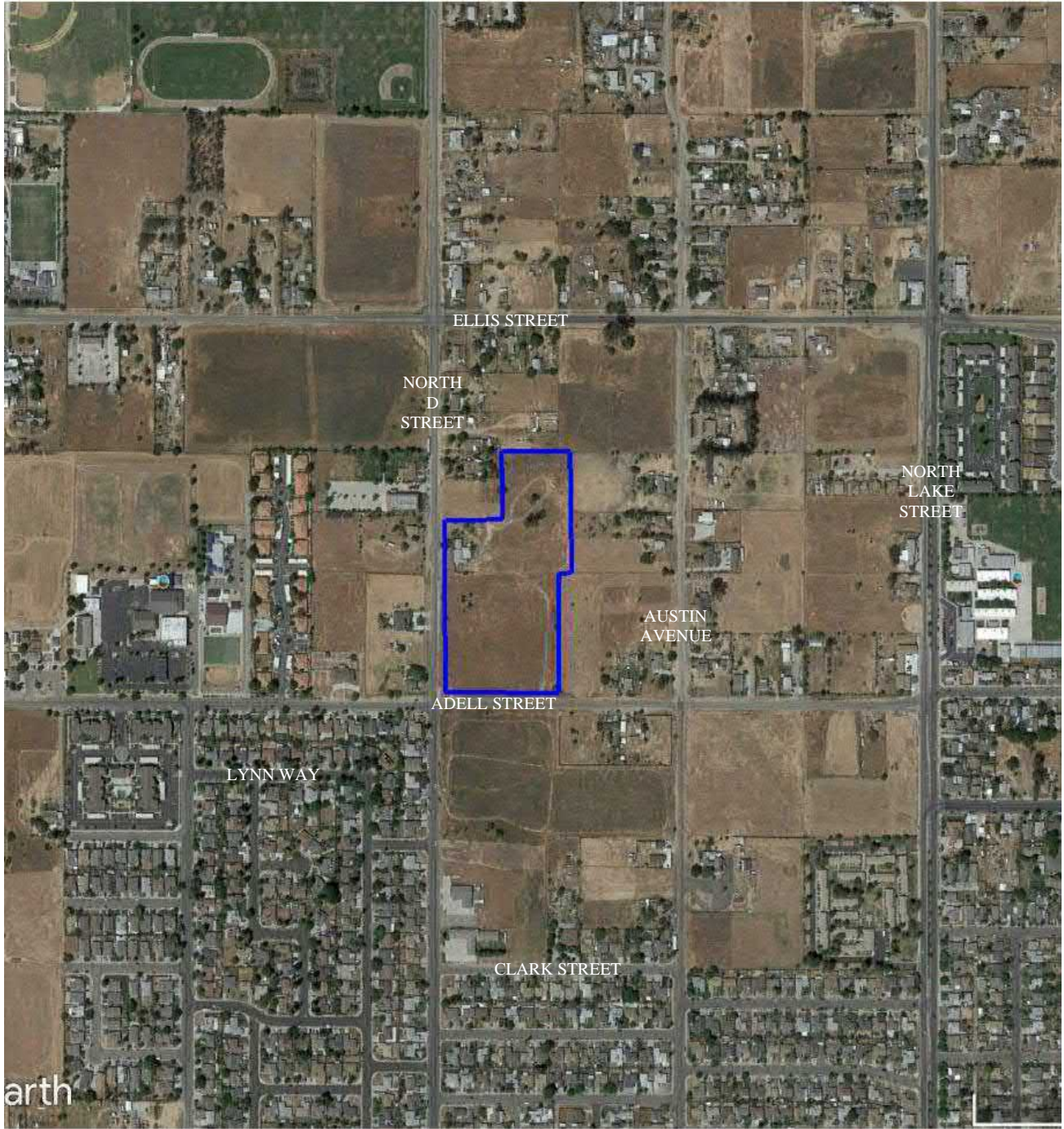
Potential Area of Concern (PAOC): A term adopted to provide an alternative designation to the REC and HREC for a range of environmental issues related to current subject site uses, historical subject site uses, or from adjacent and/or vicinity property uses. The PAOC is utilized to emphasize full disclosure and provide the User with conclusions and recommendations related to potential environmental issues in connection with the subject site based on Krazan's professional experience in cases where official documentation or other evidence may be absent in order to identify an REC or HREC, thereby aiding the User's considerations of environmental due diligence risk tolerance.

Migrate/migration: For the purposes of this practice, "migrate" and "migration" refer to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. Vapor migration in the subsurface is described in ASTM E 2600-10 guidance; however, nothing in the E 1527-21 practice should be construed to require application of the E 2600-10 standard to achieve compliance with AAI.

De minimis condition: A condition 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. Condition determined to be *de minimis conditions* are not RECS or CRECs.

Data Gap: A lack of or inability to obtain information required by this practice despite good faith efforts by the Environmental Professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to the site reconnaissance and interviews.


Data Failure: A failure to achieve the historical research objectives even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.



earth



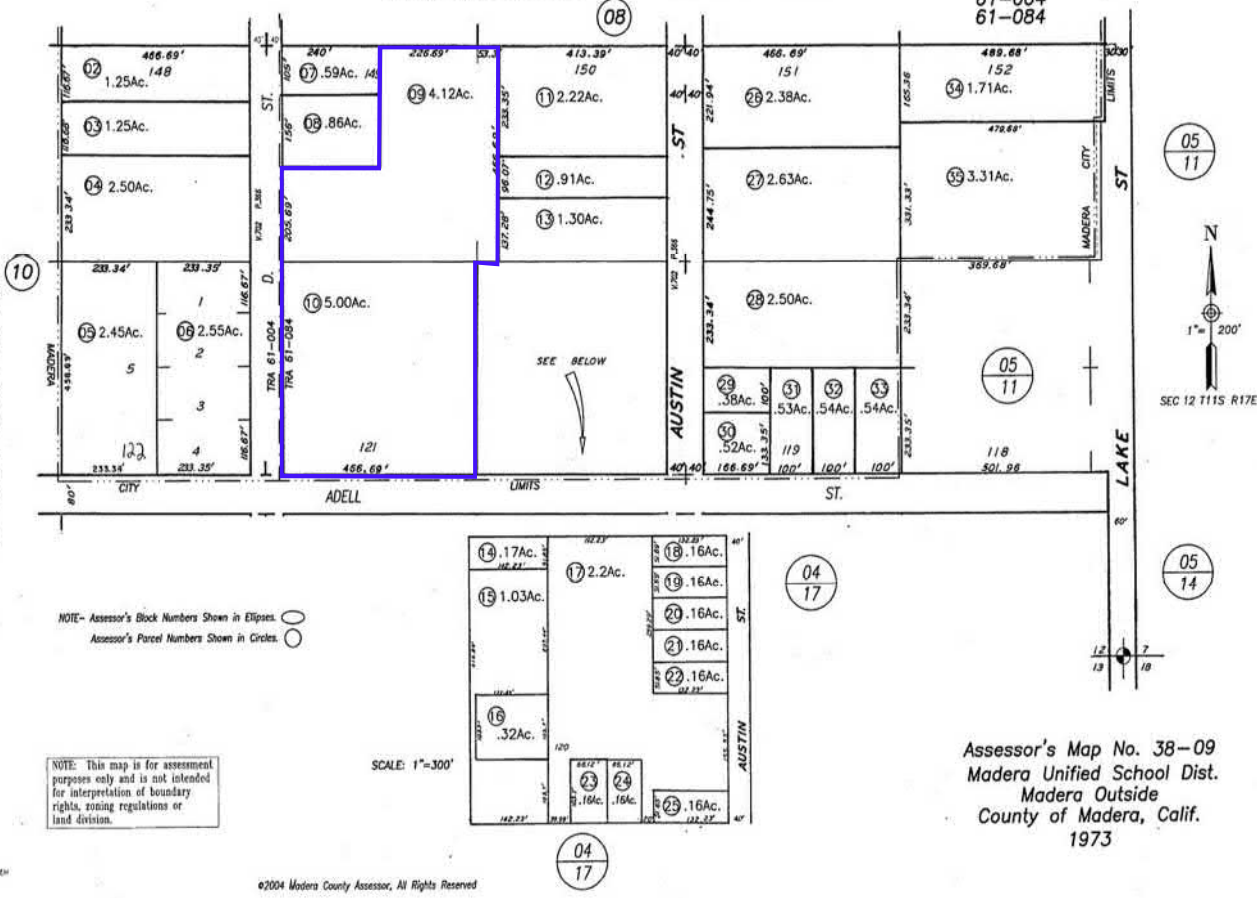
— = SUBJECT SITE BOUNDARY

VICINITY MAP PROPOSED RESIDENTIAL DEVELOPMENT 16255 NORTH D STREET APNS 038-090-009 AND -010 MADERA, CALIFORNIA 93638	Scale: NTS	Date: October 2023	 SITE DEVELOPMENT ENGINEERS <i>With Offices Serving the Western U. S.</i>
	Drawn By: BV	Approved by: BV	
	Project No. 014-23120	Figure No. 1	

E
 SEC. 12 T. 11S., R. 17E. M.D.B.&M.
 ELBERTA MOORE SUB. MILLER & LUX SUB.

Tax Area Code
 61-004
 61-084

38-05



NOTE- Assessor's Block Numbers Shown in Ellipses. ○
 Assessor's Parcel Numbers Shown in Circles. ○

NOTE: This map is for assessment purposes only and is not intended for interpretation of boundary rights, zoning regulations or land division.


SCALE: 1"=300'

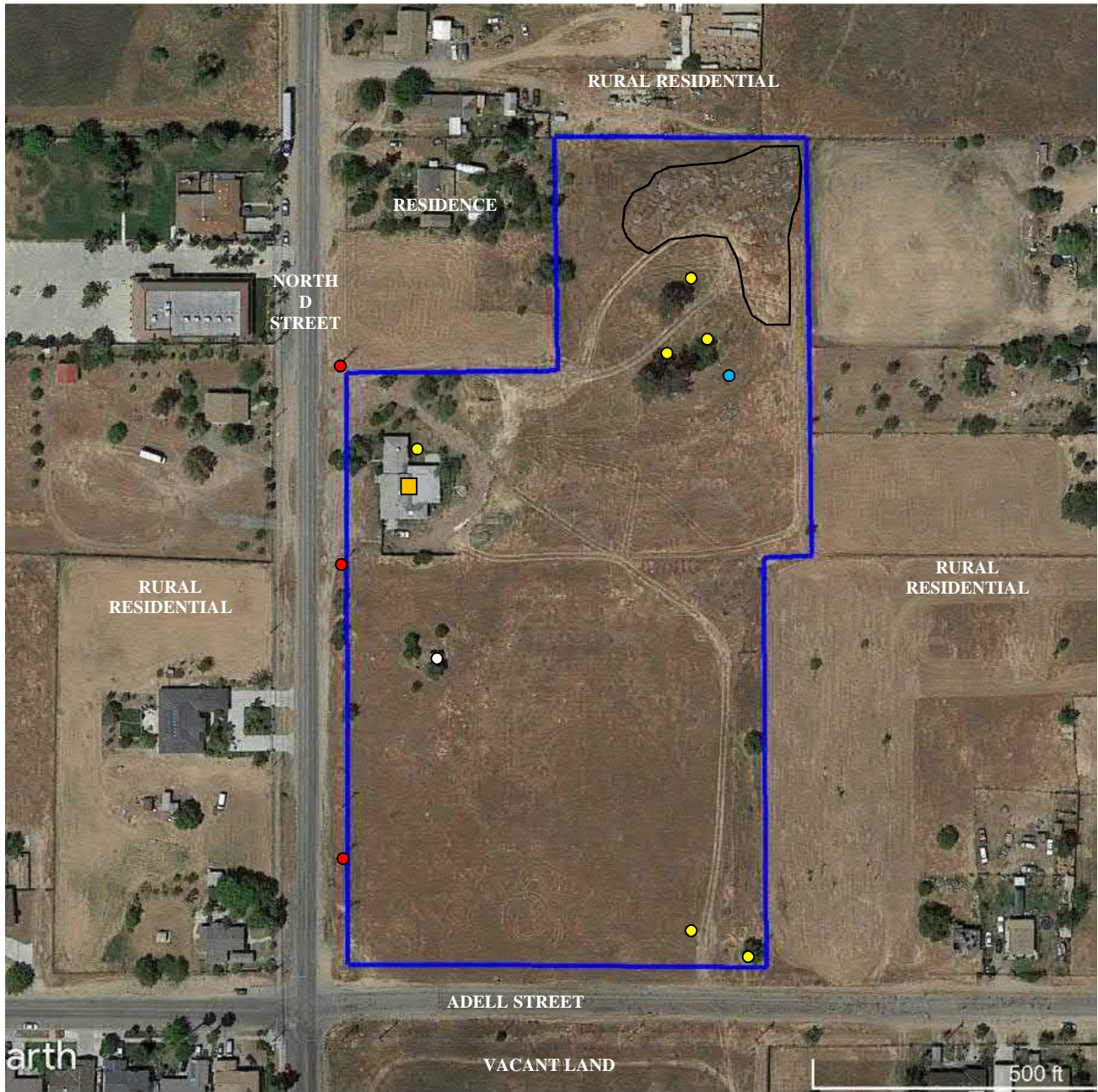
Assessor's Map No. 38-09
 Madera Unified School Dist.
 Madera Outside
 County of Madera, Calif.
 1973

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— = SUBJECT SITE BOUNDARY (APPROXIMATE)



PARCEL MAP PROPOSED RESIDENTIAL DEVELOPMENT 16255 NORTH D STREET APNS 038-090-009 AND -010 MADERA, CALIFORNIA 93638	Scale: NTS	Date: October 2023	 SITE DEVELOPMENT ENGINEERS With Offices Serving the Western U. S.
	Drawn By: BV	Approved by: BV	
	Project No. 014-23120	Figure No. 2	

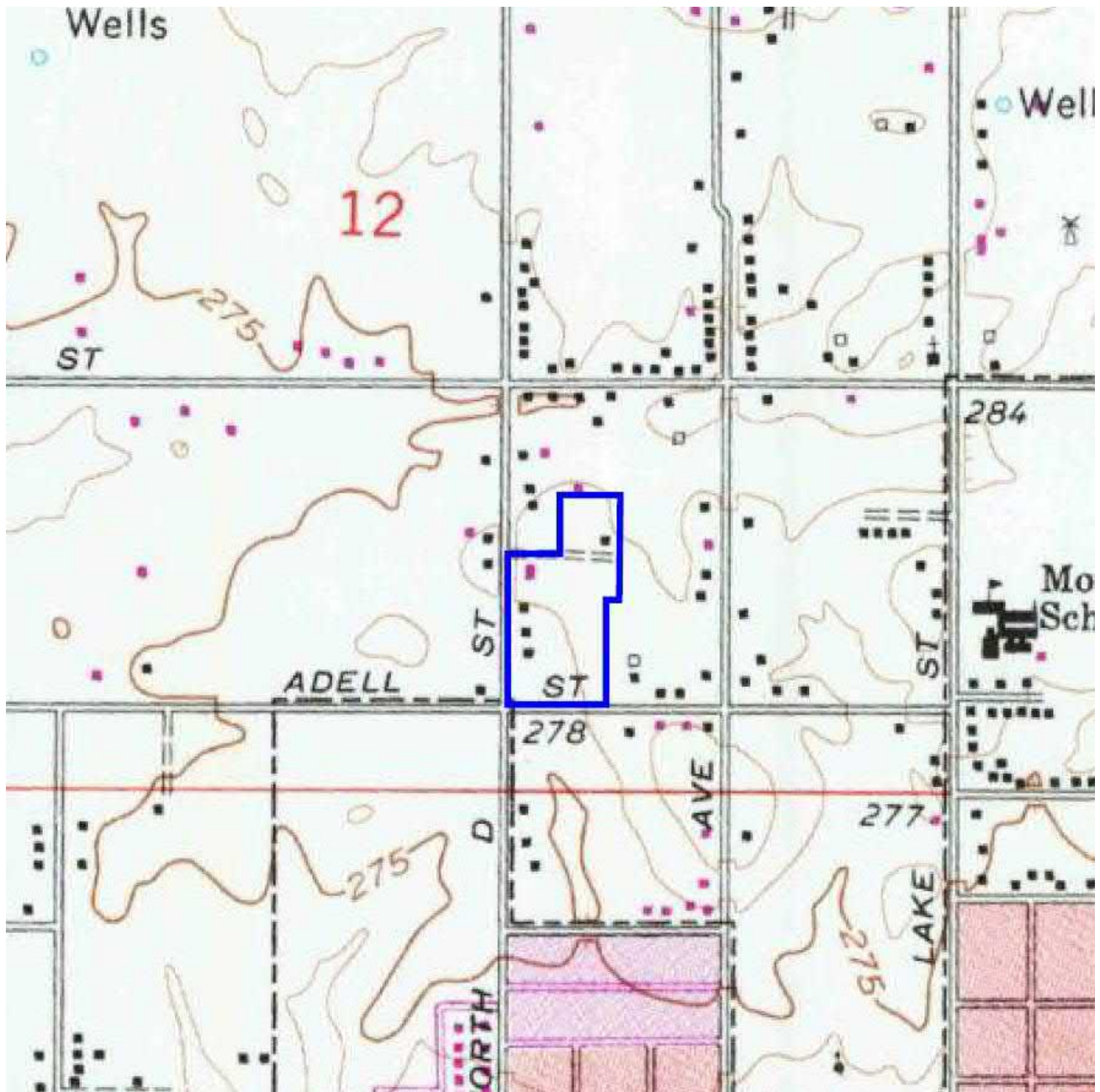


— = SUBJECT SITE BOUNDARY (APPROXIMATE)

- = RESIDENTIAL STRUCTURE
- = DILAPIDATED OUTBUILDING
- = APPARENT FORMER DOMESTIC WATER WELL
- ☞ = VEGETATIVE DEBRIS - END-DUMP PILES/MOUNDED MATERIALS (APPROXIMATE AREA)
- = DISCARDED MATERIALS (BOAT/PIPE/ROCK SLABS/SHEET METAL/CAR BUMPER/WOOD/TRASH)
- = POLE-MOUNTED HIGH-VOLTAGE ELECTRICAL TRANSFORMER



SITE MAP	Scale: NTS	Date: October 2023	 SITE DEVELOPMENT ENGINEERS <i>With Offices Serving the Western U. S.</i>
PROPOSED RESIDENTIAL DEVELOPMENT 16255 NORTH D STREET APNS 038-090-009 AND -010 MADERA, CALIFORNIA 93638	Drawn By: BV	Approved by: BV	
	Project No. 014-23120	Figure No. 3	



7.5-MINUTE SERIES
 USGS TOPOGRAPHIC MAP
 MADERA, CALIFORNIA
 DATED 1981

— = SUBJECT SITE BOUNDARY




<p>TOPOGRAPHIC MAP</p>	<p>Scale: NTS</p>	<p>Date: October 2023</p>	
<p>PROPOSED RESIDENTIAL DEVELOPMENT 16255 NORTH D STREET APNS 038-090-009 AND -010 MADERA, CALIFORNIA 93638</p>	<p>Drawn By: BV</p>	<p>Approved by: BV</p>	
	<p>Project No. 014-23120</p>	<p>Figure No. 4</p>	
			<p>SITE DEVELOPMENT ENGINEERS <i>With Offices Serving the Western U. S.</i></p>



Photo 1: Northeastern-facing view of the dwelling located in the northwestern portion of the subject site (16255 North D Street).



Photo 2: Interior view of a representative room within the on-site dwelling.

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MADERA, CALIFORNIA 93638

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Photo 3: Interior view of a bathroom in the on-site dwelling. Evidence of previous water intrusion and visible minor mold growth is present.

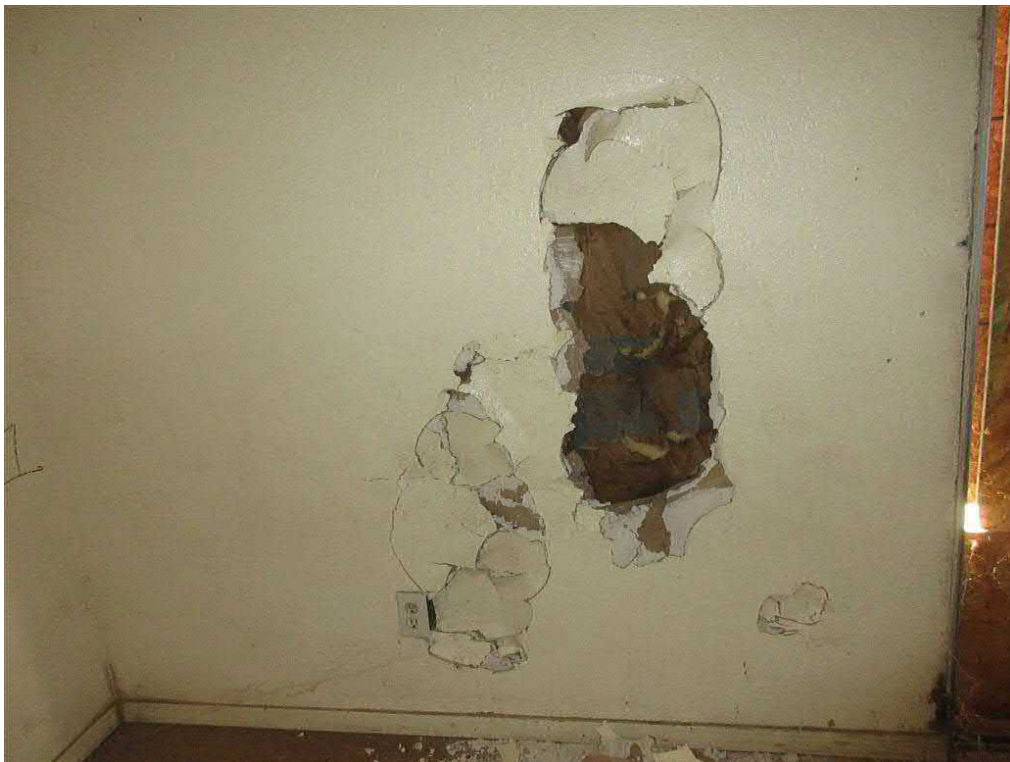


Photo 4: Interior view of representative wallboard/surfacing materials damage noted at several locations within the on-site dwelling.

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MADERA, CALIFORNIA 93638

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Photo 5: Interior view of a ceiling within the on-site dwelling on which blown (spray-on) ceiling material is present.



Photo 6: Southern-facing view of the outbuilding located in the central-western portion of the subject site.

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Photo 7: Interior view of the outbuilding located in the central-western portion of the subject site.



Photo 8: Northeastern-facing view of representative vegetative debris piles located in the northeastern portion of the subject site.

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Photo 9: View of the interior of a representative vegetative debris pile located in the northeastern portion of the subject site.



Photo 10: View of the deteriorated fiberglass boat located in the former residential area in the northeastern portion of the subject site.

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Photo 11: View of the plastic pipe, rock slabs, plastic car bumper, and metal and wood debris located in the former residential area (northeastern portion of the subject site).



Photo 12: View of the water heater, swamp cooler, and sheet metal debris located east of the dwelling in the northwestern portion of the subject site.

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Photo 13: View of the vegetative debris, wood debris, and trash located in the southeastern portion of the subject site.



Photo 14: View of the discarded household goods, clothing, and litter located in the southeastern portion of the subject site.

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Photo 15: View of an apparent former domestic water well located in the former residential area in the northeastern portion of the subject site.



Photo 16: Eastern-facing view of the southwestern and central-southern portions of the subject site adjacent to Adell Street.

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Photo 17: Northern-facing view of the southwestern and central-western portions of the subject site adjacent to North D Street.



Photo 18: Northern-facing view of the central-southern and central portions of the subject site.

PROPOSED RESIDENTIAL DEVELOPMENT
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MADERA, CALIFORNIA 93638

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Photo 19: Northern-facing view of the southeastern and central-eastern portions of the subject site.



Photo 20: Southern-facing view of the central portion of the subject site.

**PROPOSED RESIDENTIAL DEVELOPMENT
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APNS 038-090-009 AND -010
MADERA, CALIFORNIA 93638**

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Photo 21: Northern-facing view of the central-eastern and northeastern portions of the subject site.



Photo 22: Northern-facing view of the northeastern portion of the subject site (photo center and photo right).

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Photo 23: Western-facing view of the central-eastern and central portions of the subject site.



Photo 24: View of the vacant land and residence located adjacent to the north and west of the subject site.

**PROPOSED RESIDENTIAL DEVELOPMENT
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APNS 038-090-009 AND -010
MADERA, CALIFORNIA 93638**

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Photo 25: View of the rural residence located adjacent to the east of the northern portion of the subject site.



Photo 26: View of the vacant land located adjacent to the east of the southern portion of the subject site.

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Photo 27: View of Adell Street and the vacant land located adjacent to the south of the subject site.



Photo 28: View of North D Street and the rural residence located adjacent to the west of the subject site.

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MADERA, CALIFORNIA 93638

Project No. 014-23120

Date: October 2023

Approved by: BV

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Offices Serving the Western United States

Appendix A

Proposed Residential Property

16227 North D Street

Madera, CA 93638

Inquiry Number: 7458469.3

September 29, 2023

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

09/29/23

Site Name:

Proposed Residential Property
16227 North D Street
Madera, CA 93638
EDR Inquiry # 7458469.3

Client Name:

Krazan & Associates, Inc.
4320 Orange Grove Avenue Suite E
Sacramento, CA 95841
Contact: William Vick



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Krazan & Associates, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # F1A8-4788-AECE
PO # NA
Project 014-23120-BV

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: F1A8-4788-AECE

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Proposed Residential Property

16227 North D Street

Madera, CA 93638

Inquiry Number: 7458469.4

September 29, 2023

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

09/29/23

Site Name:

Proposed Residential Property
16227 North D Street
Madera, CA 93638
EDR Inquiry # 7458469.4

Client Name:

Krazan & Associates, Inc.
4320 Orange Grove Avenue Suite E
Sacramento, CA 95841
Contact: William Vick



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Krazan & Associates, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	36.984177 36° 59' 3" North
Project:	014-23120-BV	Longitude:	-120.062142 -120° 3' 44" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	761485.13
		UTM Y Meters:	4097152.11
		Elevation:	282.00' above sea level

Maps Provided:

2018
2015
2012
1981
1961, 1963
1947, 1948
1946
1920, 1922

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Madera
2018
7.5-minute, 24000



Kismet
2018
7.5-minute, 24000

2015 Source Sheets



Madera
2015
7.5-minute, 24000



Kismet
2015
7.5-minute, 24000

2012 Source Sheets



Madera
2012
7.5-minute, 24000



Kismet
2012
7.5-minute, 24000

1981 Source Sheets



Madera
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Kismet
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1961, 1963 Source Sheets



Kismet
1961
7.5-minute, 24000
Aerial Photo Revised 1960



Madera
1963
7.5-minute, 24000
Aerial Photo Revised 1962

1947, 1948 Source Sheets



Madera
1947
7.5-minute, 24000



Kismet
1948
7.5-minute, 24000

1946 Source Sheets



Madera
1946
15-minute, 62500



Le Grand
1946
15-minute, 62500

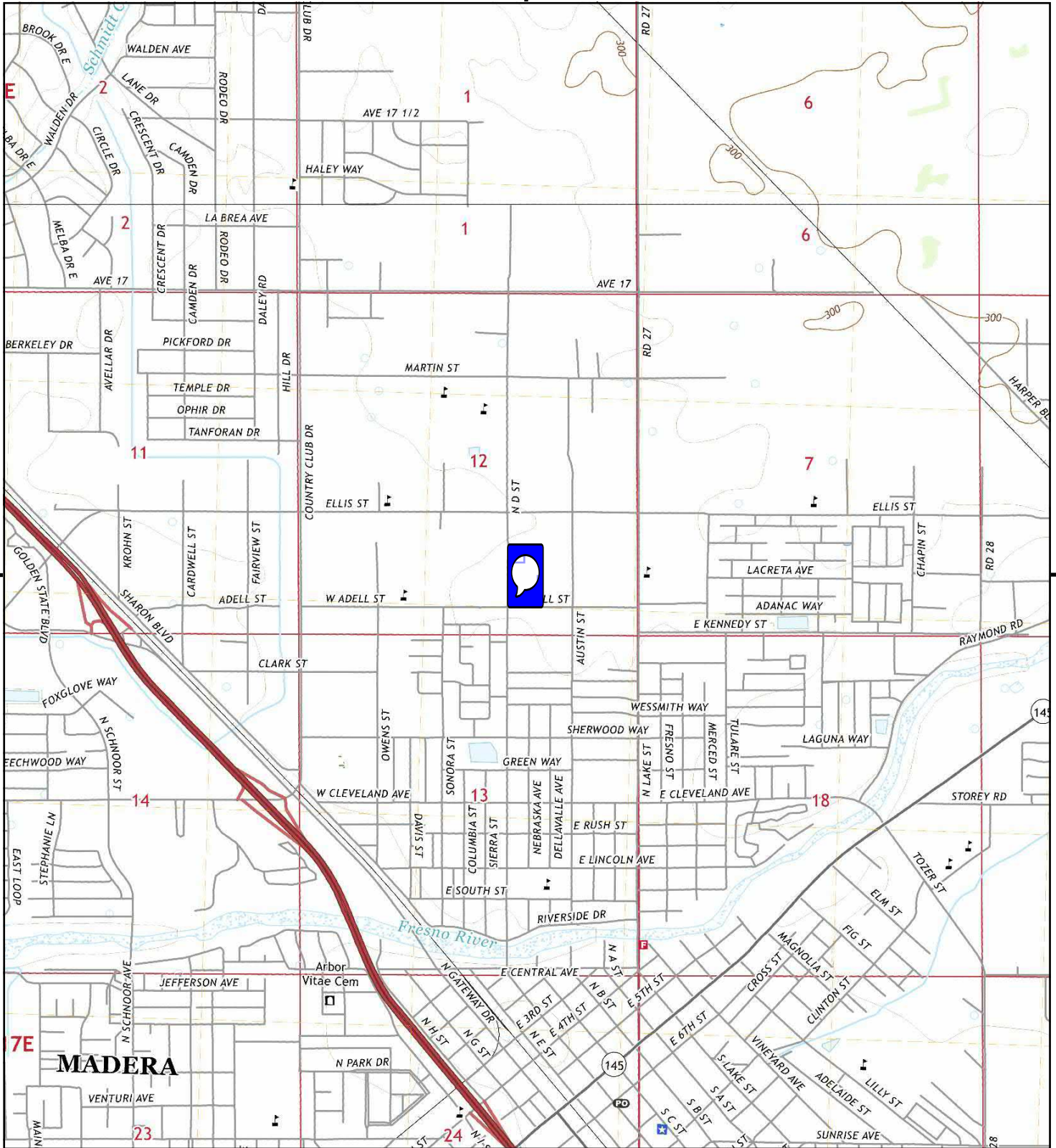
1920, 1922 Source Sheets



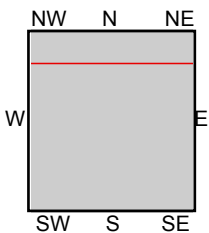
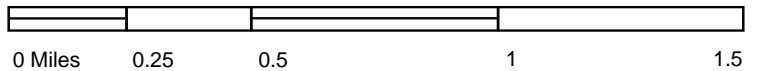
Kismet
1920
7.5-minute, 31680



Madera
1922
7.5-minute, 31680



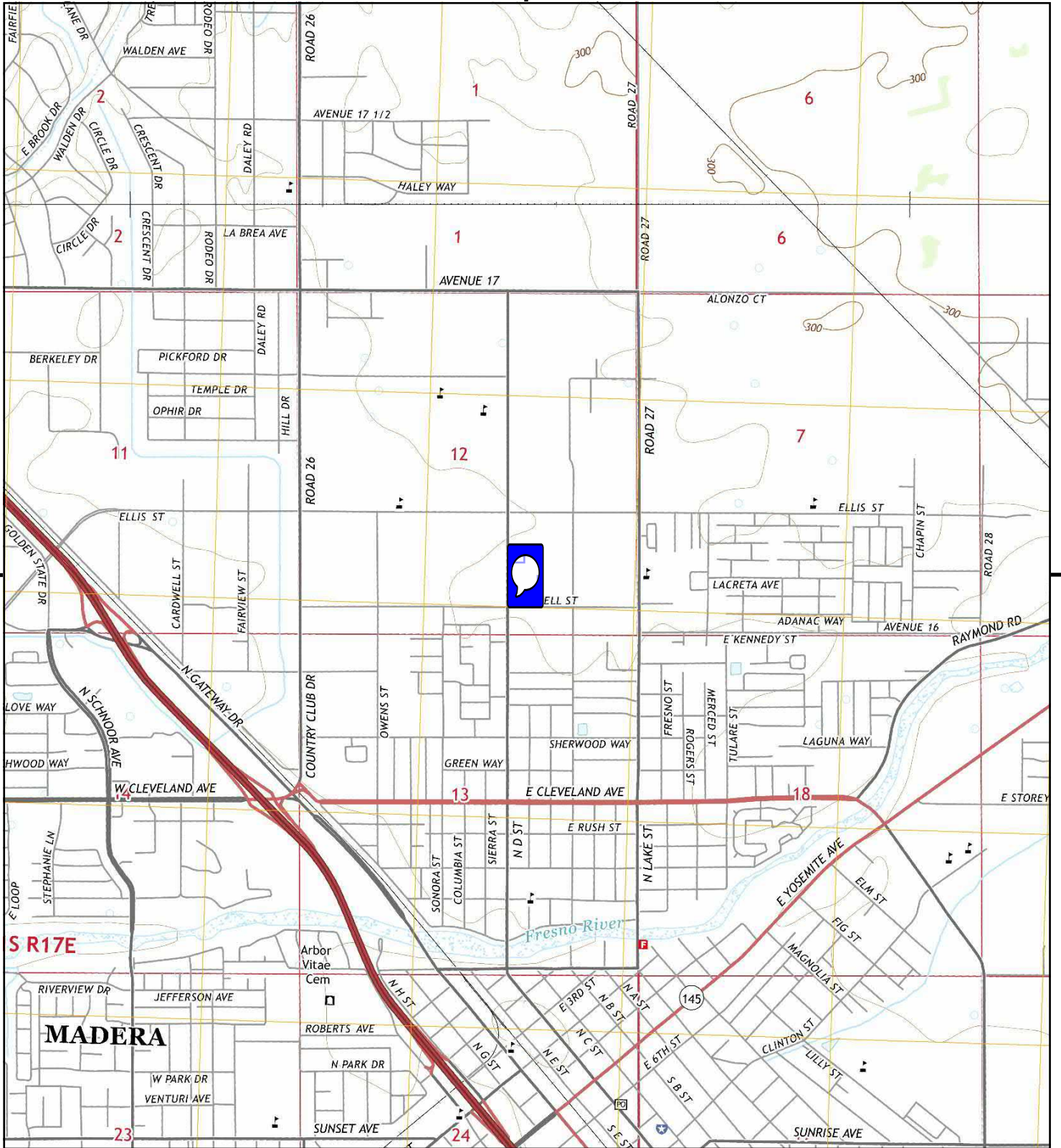
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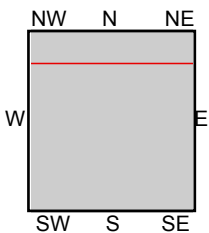
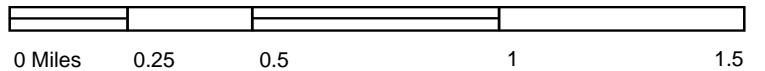
TP, Madera, 2018, 7.5-minute
N, Kismet, 2018, 7.5-minute

SITE NAME: Proposed Residential Property
ADDRESS: 16227 North D Street
Madera, CA 93638
CLIENT: Krazan & Associates, Inc.





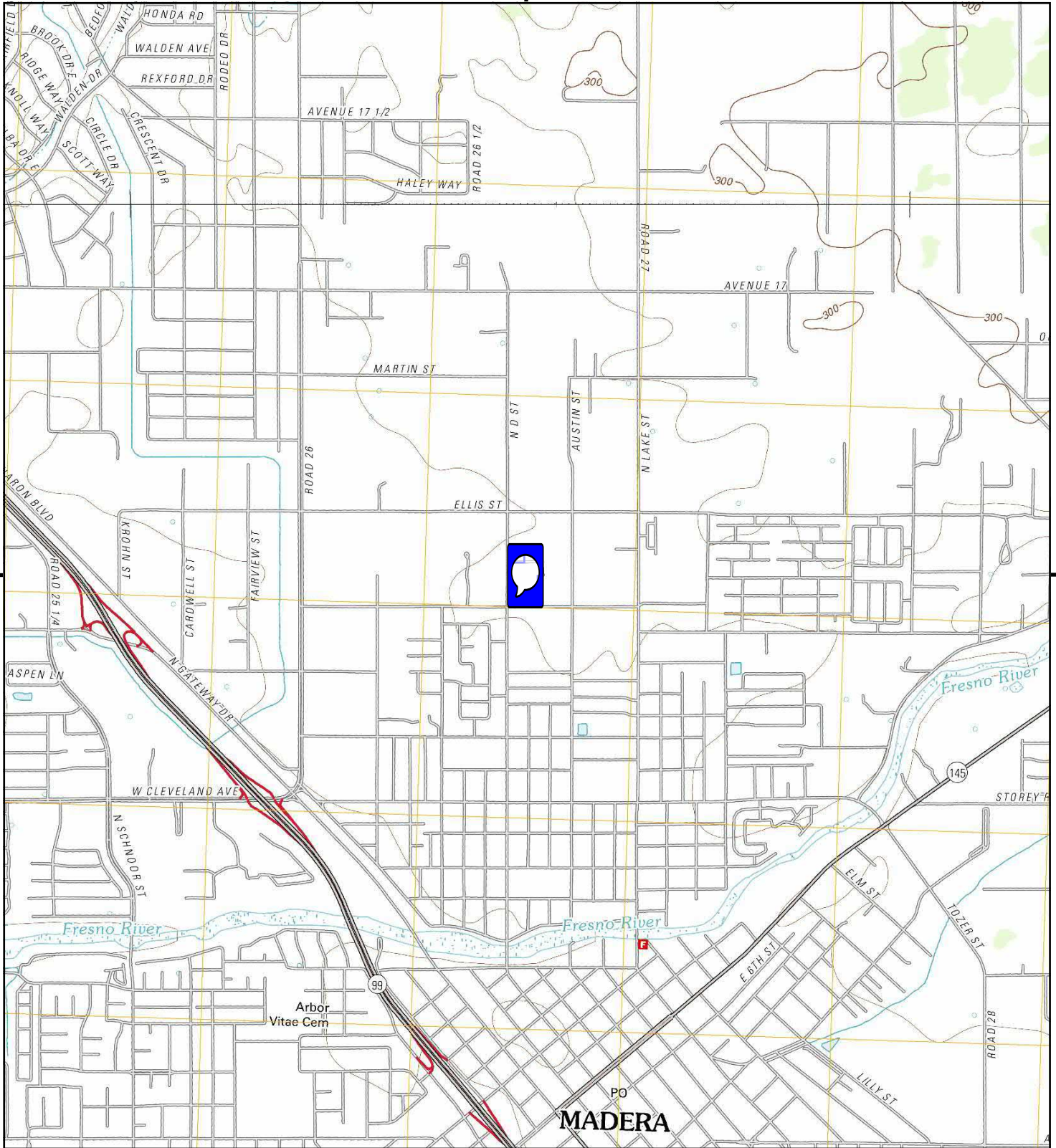
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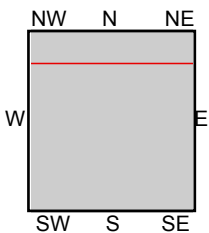
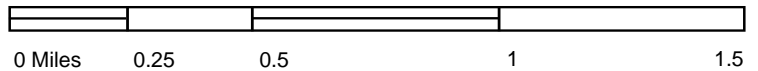
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 N, Kismet, 2015, 7.5-minute

SITE NAME: Proposed Residential Property
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 Madera, CA 93638
 CLIENT: Krazan & Associates, Inc.





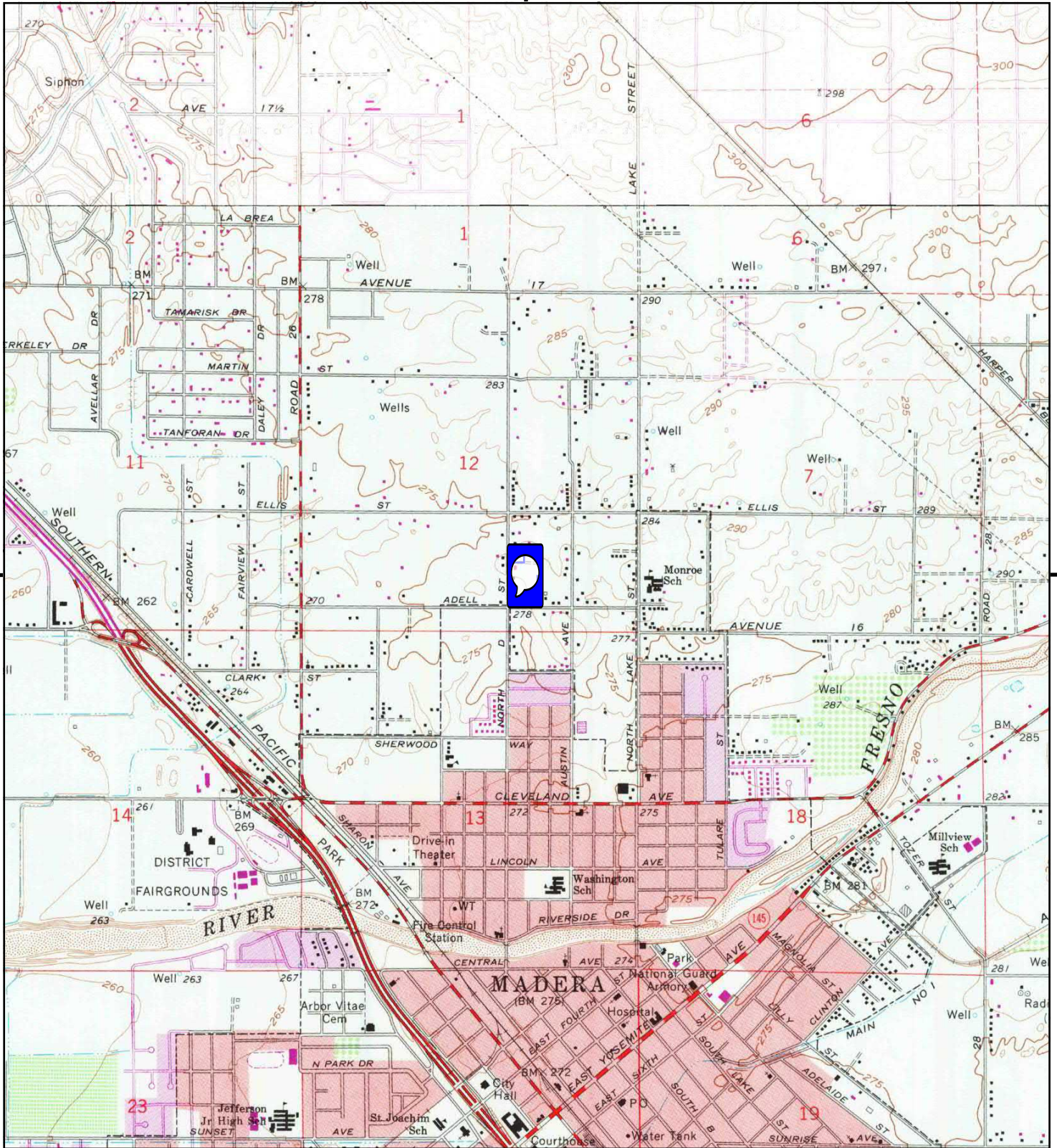
This report includes information from the following map sheet(s).



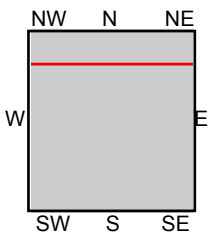
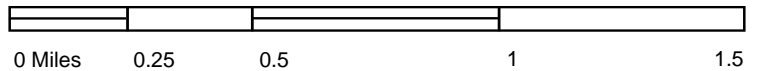
TP, Madera, 2012, 7.5-minute
N, Kismet, 2012, 7.5-minute

SITE NAME: Proposed Residential Property
ADDRESS: 16227 North D Street
Madera, CA 93638
CLIENT: Krazan & Associates, Inc.





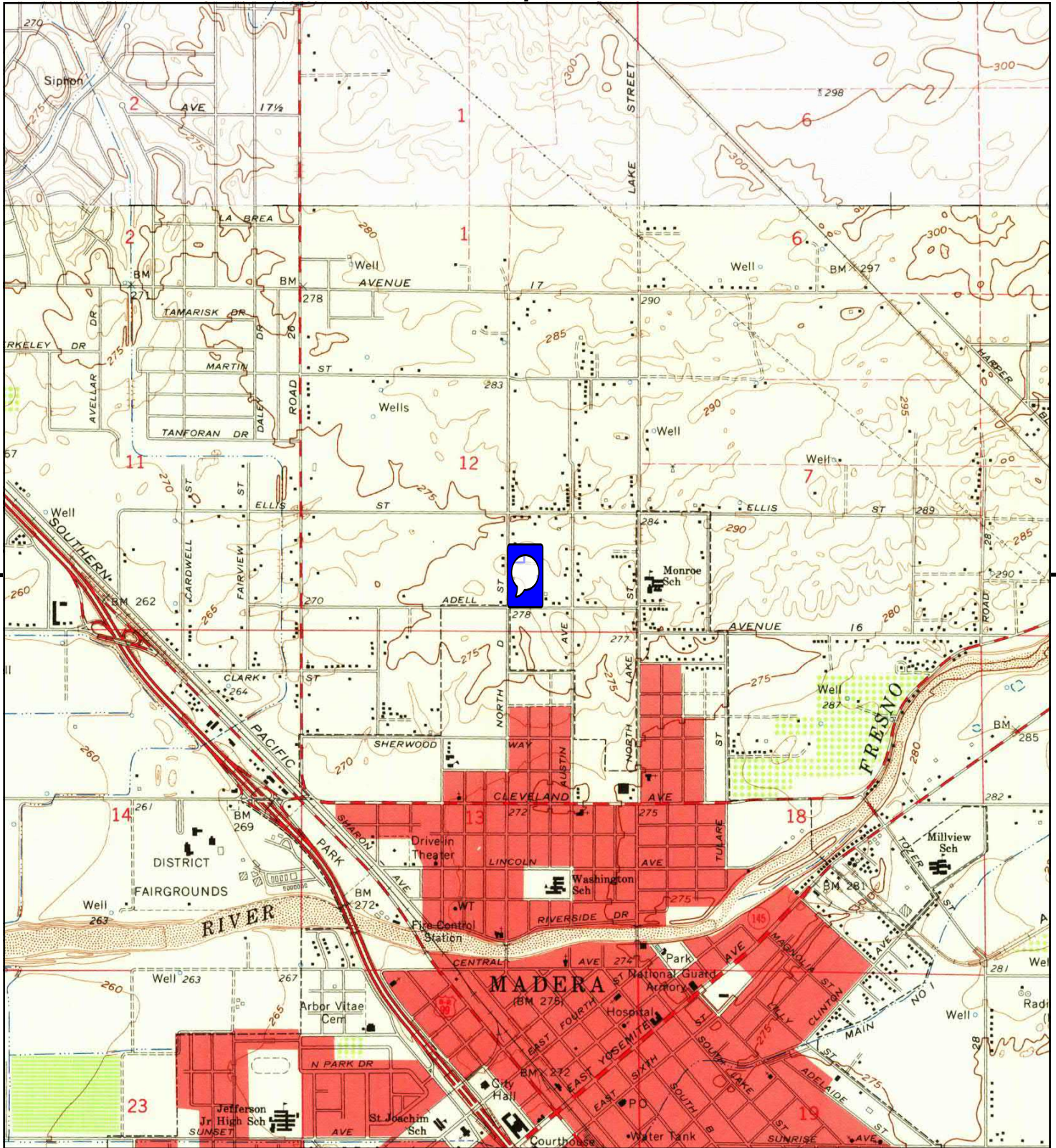
This report includes information from the following map sheet(s).



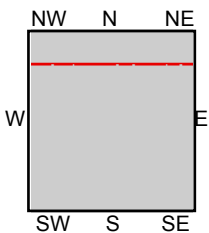
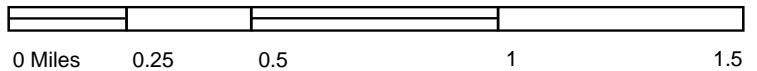
TP, Madera, 1981, 7.5-minute
N, Kismet, 1981, 7.5-minute

SITE NAME: Proposed Residential Property
ADDRESS: 16227 North D Street
 Madera, CA 93638
CLIENT: Krazan & Associates, Inc.





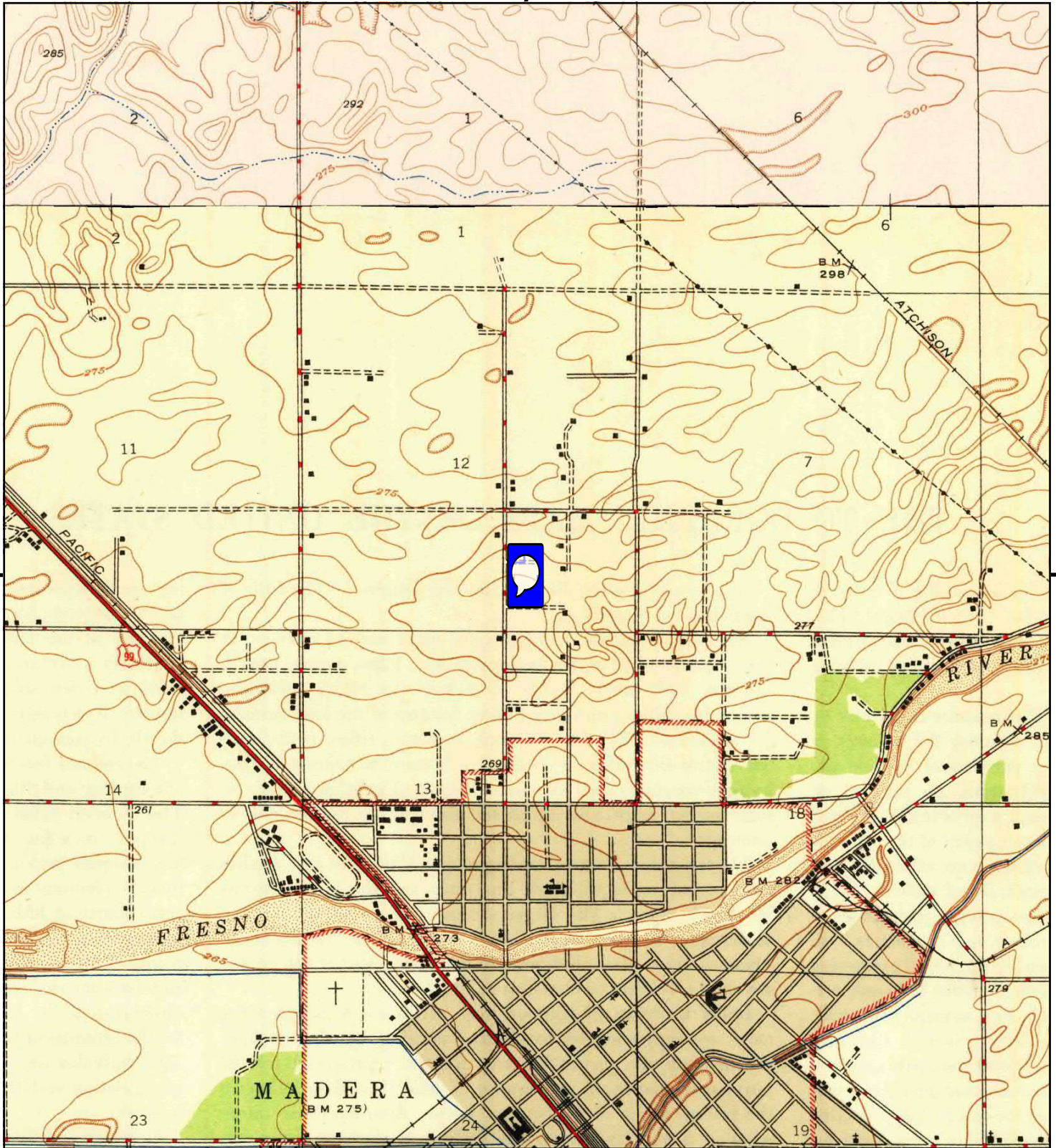
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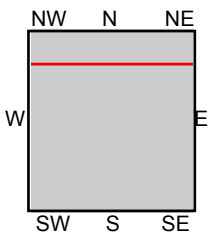
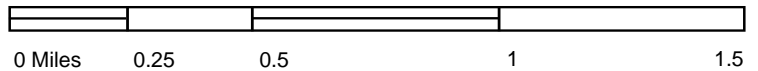
TP, Madera, 1963, 7.5-minute
N, Kismet, 1961, 7.5-minute

SITE NAME: Proposed Residential Property
ADDRESS: 16227 North D Street
Madera, CA 93638
CLIENT: Krazan & Associates, Inc.





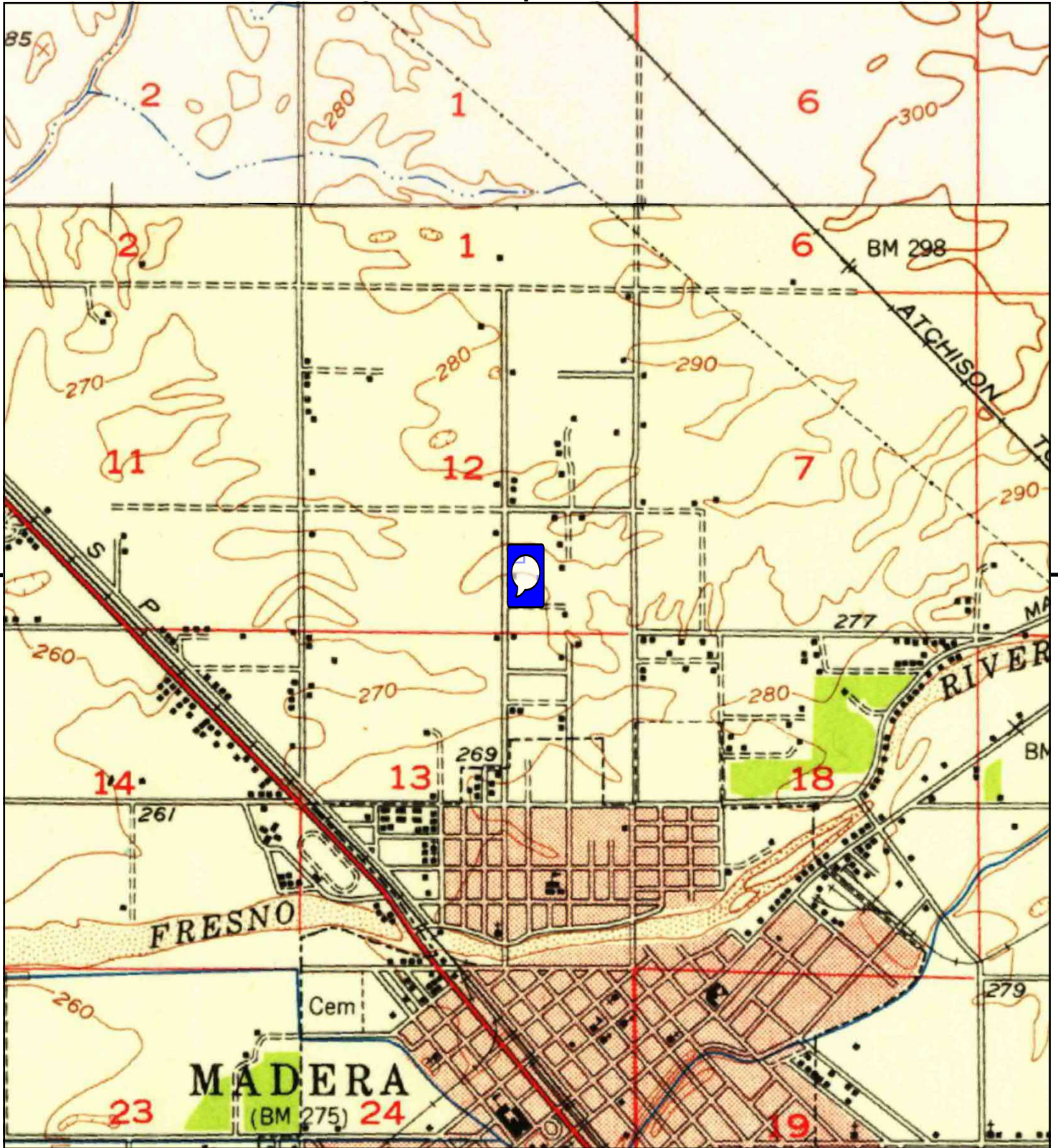
This report includes information from the following map sheet(s).



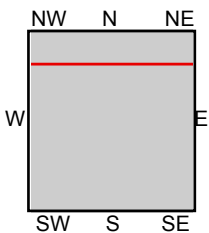
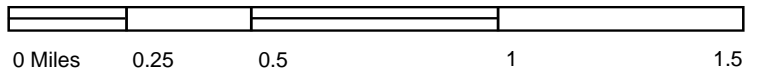
TP, Madera, 1947, 7.5-minute
N, Kismet, 1948, 7.5-minute

SITE NAME: Proposed Residential Property
ADDRESS: 16227 North D Street
Madera, CA 93638
CLIENT: Krazan & Associates, Inc.





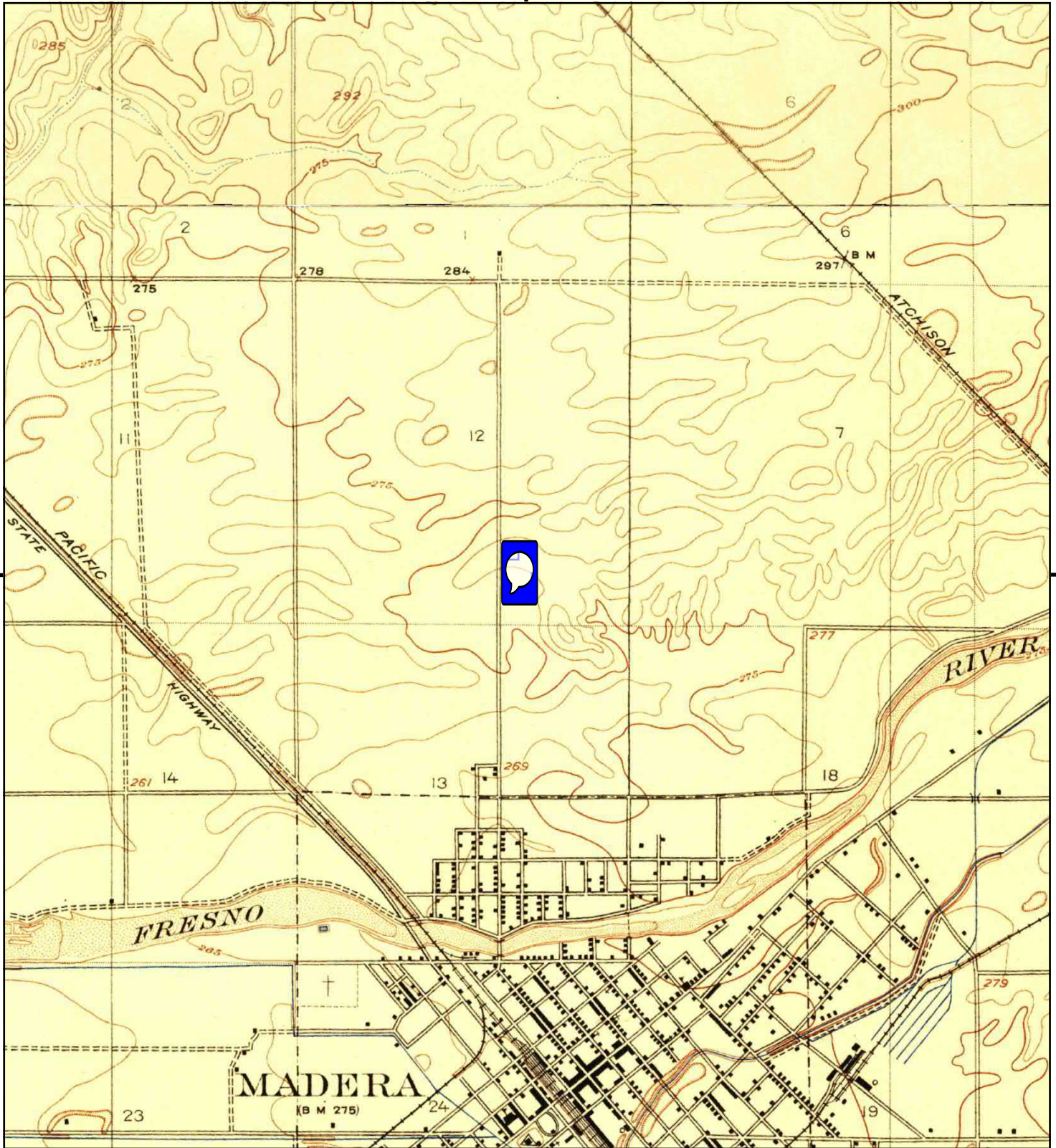
This report includes information from the following map sheet(s).



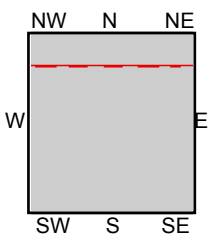
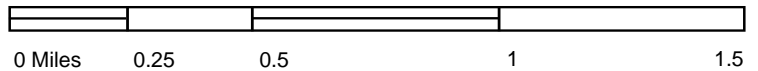
TP, Madera, 1946, 15-minute
N, Le Grand, 1946, 15-minute

SITE NAME: Proposed Residential Property
ADDRESS: 16227 North D Street
Madera, CA 93638
CLIENT: Krazan & Associates, Inc.





This report includes information from the following map sheet(s).



TP, Madera, 1922, 7.5-minute
N, Kismet, 1920, 7.5-minute

SITE NAME: Proposed Residential Property
ADDRESS: 16227 North D Street
Madera, CA 93638
CLIENT: Krazan & Associates, Inc.



Proposed Residential Property

16227 N D St
Madera, CA 93638

Inquiry Number: 7458469.5
October 02, 2023

The EDR-City Directory Image Report

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Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2020	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
1990	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1985	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1980	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1969	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1964	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1958	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1952	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO

FINDINGS

TARGET PROPERTY STREET

16227 N D St
Madera, CA 93638

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>N D ST</u>			
2020	pg A1	EDR Digital Archive	
2017	pg A2	Cole Information	
2014	pg A3	Cole Information	
2010	pg A4	Cole Information	
2005	pg A5	Cole Information	
2000	pg A6	Cole Information	
1995	pg A7	Cole Information	
1990	pg A8	Haines Criss-Cross Directory	
1985	pg A9	Haines Criss-Cross Directory	
1980	pg A10	Haines Criss-Cross Directory	
1980	pg A11	Haines Criss-Cross Directory	
1975	pg A12	Haines Criss-Cross Directory	
1975	pg A13	Haines Criss-Cross Directory	
1969	pg A14	POLK DIRECTORY CO	
1964	pg 0	POLK DIRECTORY CO	Target and Adjoining not listed in Source
1958	pg 0	POLK DIRECTORY CO	Target and Adjoining not listed in Source
1952	pg 0	POLK DIRECTORY CO	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

N D ST 2020

16188 JOSE GARCIA
16202 JOE GARCIA
LINDA GARCIA
16255 KEVOUS WILLIAMS
16294 MADERA GRACE TABERNACLE
16316 ROCIO GARCIA
16333 DEE SAILORS
16341 ARTURO RODRIGUEZ
DIANA RODRIGUEZ
FRANCISCO RODRIGUEZ
16357 LUCIO MORALES

N D ST 2017

1600	NUNEZ, IRIS
1608	BUCCIERI, ROXANNE
1612	OLEA, EFRAIN R
1616	MONTES, NICOLAS A
16255	SALCIDO, CHRISTINA
16280	LOMAS, RAUL S
16294	MADERA GRACE TABERNACLE
16316	GARCIA, DAMIAN
16319	AYALA, GUADALUPE
16333	SAILORS, DEEANN A
16341	RODRIGUEZ, FRANCISCO L
16357	MORALES, LUCIO S
16385	MOORE, CAROL D
16461	FALCON, RAYMOND G
16473	CORTES, ABINADI
16485	BARRAGAN, JUAN
16509	FLEMMING, SASHA THREE ROSE PACKING SERVICES
16557	DELGADO, DAVID
16707	CAMARILLO, JUAN J
16778	SHILLINGS, HENRY A
16796	SEVILLA, HERIBERTO J
16857	SANCHEZ, MARY A

N D ST 2014

1600	NUNEZ, IRIS
1604	OCCUPANT UNKNOWN,
1608	GALLEGOS, DANIEL R
1612	OLEA, EFRAIN R
1620	ORDORICA, YOLANDA
16188	OCCUPANT UNKNOWN,
16202	GARCIA, LOUIE M
16255	WILSON, GREGORY
16280	OCCUPANT UNKNOWN,
16294	MADERA GRACE TABERNACLE
16316	GARCIA, DAMIAN
16319	AYALA, GUADALUPE
16333	JANTZEN, EVELYN
16341	RODRIGUEZ, FRANCISCO L
16357	TEZOQUIPA, MARGARITA
16385	CAROL, MOORE
16425	HUNTER, JASON M
16447	CHAVEZ, GUADALUPE
16461	FALCON, RAYMOND G
16473	CORTES, ABINADI
16497	LARIOS, OSCAR T
16509	FLEMMING, SASHA
	THREE ROSE PACKING SERVICES
16519	AMANTE, FORANDA
16557	DELGADO, DAVID
16707	CAMARILLO, JUAN J
16778	SHILLINGS, HENRY A
16796	SEVILLA, HERIBERTO J
16857	SANCHEZ, MARY A

N D ST 2010

1600 MANZANAREZ, ROSENDO G
 1604 GARCIA, MARIO F
 1608 GALLEGOS, DANIEL
 1612 TORRES, EMELIA
 1616 OCCUPANT UNKNOWN,
 1620 OCCUPANT UNKNOWN,
 15821 BETHEL SOUTHERN BAPTIST
 15877 LONG, ELTON K
 16188 OCCUPANT UNKNOWN,
 16202 GARCIA, JOE M
 16255 WILLIAMS, EDLECA L
 16280 DIAZ, CRESENCIO
 16294 MADERA GRACE TABERNACLE
 16316 LUNA, EVELIA
 16319 AYALA, GUADALUPE
 16333 BRADLEY, EVELYN
 16341 RODRIGUEZ, FRANCISCO L
 16357 OCCUPANT UNKNOWN,
 16385 MOORE, CAROL D
 16425 HUNTER, TERRY D
 16447 BARRAGAN, LUCIA
 16461 FALCON, RAYMOND G
 16466 OCCUPANT UNKNOWN,
 16473 HERNANDEZ, PAULINO
 16485 BARRAGAN, JUAN
 16497 CHINO, SERAFIN C
 16509 MARQUEZ, IVETTE
 16519 FORONDA, ROGELIO D
 16557 REYES, YOLANDA
 16633 GUTIERREZ, PAULA
 16707 CAMARILLO, JUAN J
 16778 SHILLINGS, PATRICIA A
 16796 SEVILLA, HERIBERTO J
 16851 OLIVERA, CARMEN
 16857 FONTES, CHRISTINE
 MOLINA, CESAR M
 SANCHEZ, MARY A

N D ST 2005

1600 ANDEVERDE, S
1604 GARCIA, MARIO F
1608 HARVEY, TREVA H
1612 OLEA, EFRAIN
1616 OCCUPANT UNKNOWN,
1620 NORTH, SALLY L
15821 BETHEL SOUTHERN BAPTIST CHURCH
15877 LONG, ELTON K
PENTECOSTAL CHURCH OF GOD
16188 GARCIA, JOE M
16227 ESCOBAR, HERIBERTO
16255 WILLIAMS, M
16280 CAPUCHINO, ESTHER M
16294 ASAMBLEA APOSTOLICA
MADERA GRACE TABERNACLE
16316 GARCIA, JOSE
16319 AMAYA, BENIGNO
16333 SAILORS, DEEANN A
16341 VASQUEZ, LYNETTE
16357 OCCUPANT UNKNOWN,
16385 MOORE, JACK W
16425 HUNTER, TERRY D
16447 BARRAGAN, LUCIA
16461 FALCON, RAYMOND G
16466 OCCUPANT UNKNOWN,
16473 VARGAS, PALEMON
16485 RODRIGUEZ, JOSE
16509 FLEMMING, IDA F
16519 FORONDA, ROGELIO D
16557 PALMA, MARIO
16707 CAMARILLO, JUAN M
16778 SHILLINGS, PATRICIA A
16796 SHILLINGS, MARGIE A
16848 OCCUPANT UNKNOWN,
16851 SANCHEZ, MANUEL
16857 SANCHEZ, MARY A

N D ST 2000

1600 OCCUPANT UNKNOWN,
1604 OCCUPANT UNKNOWN,
1608 BUCCIERI, CHARLES R
1612 OCCUPANT UNKNOWN,
1616 OCCUPANT UNKNOWN,
1620 NORTH, SALLY L
15821 BETHEL SOUTHERN BAPTIST CHURCH
15877 FAMILY LIFE CHRISTIAN ACADEMY
OCCUPANT UNKNOWN,
PENTECOSTAL CHURCH OF GOD
16188 GARCIA, JOE
16227 OCCUPANT UNKNOWN,
16255 MCALISTER, ESTELLA M
16280 OCCUPANT UNKNOWN,
16319 PRADO, TOMASA
16341 OCCUPANT UNKNOWN,
16357 FISHER, FREDDIE
16385 OCCUPANT UNKNOWN,
16425 OCCUPANT UNKNOWN,
16447 HUNTER, HUGH M
16461 FALCON, ELVA
16466 OCCUPANT UNKNOWN,
16473 MORALES, BENITO
16485 CORTEZ, MIGUEL
16497 OCCUPANT UNKNOWN,
16509 FLEMMING, IDA
16557 OCCUPANT UNKNOWN,
16633 ANDERSON, RICHARD
16707 GARCIA, JESUS P
16778 SHILLINGS, H
16796 MEDLOCK, LLOYD C
16848 OCCUPANT UNKNOWN,
16851 CORTES, EMILIO S
ORTIZ, ARNULFO G
SANTOS, EMILIO

N D ST 1995

1600 OCCUPANT UNKNOWNN
1604 MEDELLIN, ANDREW J
1608 BUCCIERI, CHARLES R
1612 FLORES, JUAN M
1616 CARRILLO, MINA
1620 HENSON, JAMES
15821 BETHEL SOUTHERN BAPTIST
15877 PENTECOSTAL CHURCH OF GOD
16188 JACKSON, HERBERT
16227 ADAME, PLACIDA
16255 MCALISTER, ESTELLA M
16280 CAPUCHINO, ANDREW A
16319 PRADO, TOMASA
16357 FISHER, FREDDIE
16425 HUNTER, TERRY D
16447 HUNTER, HUGH M
16461 OCCUPANT UNKNOWNN
16466 RIPLEY, WILLIAM
16473 CHAVEZ, PEDRO
16485 MORAN, MARY
16509 FLEMING, MONCEAL
16519 FORONDA, EUFEMIA
16557 BURLESON, HARVEY W
16633 MELTON, JACK R
16707 PINEDO, EFRAN
16778 SHILLINGS, HENRY
16796 SHILLINGS, HENRY A
16857 BENNETT, DAREN

N D ST 1990

1500	PICKLES Carrie Ann	673-7178	
	PICKLES Robi	673-7178	
1504	MATLOCK M	673-4614	8
1508	NOLAN Brian	661-3050	+0
1512	XXXX	00	
1516	FIMBREZ S	661-2135	5
1520	XXXX	00	
1504	XXXX	00	
1606	BUCCIERI C	673-7290	5
1612	SMITH Derryl G	661-4677	9
15821	★BETHEL SO BAPT CH	674-9341	
15877	HANSHEW Bill Rev	674-8435	9
	★PENTECOSTAL CH GOO	674-8632	4
	★WEE CARE NURSERY	674-8632	3
15900	XXXX	00	
16188	JACKSON Herbert	674-2500	
	JACKSON Velera	674-2500	
16227	ADAME Placida	674-2550	
16245	XXXX	00	
16255	MCALISTER Ray	673-9613	
16280	XXXX	00	
16294	GARZA Lisa	674-6422	+0
	GARZA Ramiro	674-6422	+0
16319	BUTTRAM Elvia	675-8723	+0
16341	XXXX	00	
16357	XXXX	00	
16393	XXXX	00	
16447	HUNTER Hugh M	674-2069	
16473	HERRERA Vicente	661-0118	+0
16485	XXXX	00	
16497	XXXX	00	
16509	XXXX	00	
16519	FORONDA Frank	661-8671	8
16557	XXXX	00	
16633	XXXX	00	
16707	XXXX	00	
16796	SHILLINGS Clyde	674-4593	
16848	XXXX	00	
16851	★LONG WILLIE	673-0301	
	★MADERA PLUMBING	673-0301	
16857	XXXX	00	
16871	XXXX	00	
	★ 52 BUS	143 RES	24 NEW

N D ST 1985

1500	PICKLES CARRIE ANN	673-7178 +5
1504	XXXX	00
1508	XXXX	00
1516	FIMBREZ S	661-2135 +5
1520	PERCY MICHAEL J	673-7963 1
1608	BUCCIERI C	673-7290 +5
15821	BETHEL SO BAPT CH	874-8341 9
15877	DOWING COY REV	673-6931 3
	PENTECUSTAL CH GOD	874-8832 4
	WEE CARE DAY CARE	874-8832 3
15900	XXXX	00
16183	JACKSON HERBERT	674-2500
	JACKSON VELERA	674-2500
16227	ADAME PLACIDA	674-2550
16245	XXXX	00
16258	MCALISTER RAY	673-9613
16280	XXXX	00
16294	EZELL GARY	674-3353 +5
16319	LEAYM M J	673-1780
16333	TRIPP LEE	661-2042 +5
16341	SMITH ART M	674-0262 9
16357	XXXX	00
16393	XXXX	00
16447	HUNTER HUGH M	674-2069
16473	CARRILLO FRANK	673-5050
16485	XXXX	00
16497	XXXX	00
16509	XXXX	00
16519	FORONDA FRANK	673-3184 9
16557	NAPIER KAREN	673-3031
16633	XXXX	00
16707	XXXX	00
16796	SHILLINGS CLYDE	674-4593
16848	XXXX	00
16851	LONG WILLIE	873-0301
	MADERA PLUMBING	873-0301
16857	BENNETT CLARENCE R	673-4624
16871	XXXX	00
★	57 BUS	137 RES 24 NEW

N D ST 1980

1305	XXXX	00
1309	CRUZ AUFRIE D	673-4967 +0
1313	XXXX	00
1314	XXXX	00
1317	JONES WENDELL	673-0394
1321	MARON JAS H	674-9947 +0
1326	XXXX	00
1327	ASKEW T R	673-5227 +0
1329	XXXX	00
1330	LANPHEAR DOYEL L	673-2311 +0
1334	NICKOLS HEIDEMARIE	673-5735 +0
1338	BELFLOWER GORDON	674-2515 +0
1400	SHELEY DARYL REV	674-9944 +0
1404	CONDOR J	674-6114 +0
15821	BETHEL SO BAPT CN	674-8341 9
15877	LIBERTY TABERNACLE	674-8532 7
15900	XXXX	00
16188	JACKSON HERBERT	674-2500
	JACKSON VELERA	674-2500
16227	ADAME PLACIDA	674-2650
16245	XXXX	00
16255	MCALISTER RAY	673-9613
16280	TORRES SIMITRIO	674-8063 +0
16294	GARZA RAMIRO	673-0668
16318	LEAYM M J	673-1760
16333	ROGERS LARRY	673-5074 +0
16341	SMITH ART M	674-0262 9
16357	XXXX	00
16393	XXXX	00
16447	HUNTER HUGH M	674-2089
16473	CARNILLO FRANK	673-5060 3

N D ST 1980

D NORTH		93837 CONT
16486	XXXX	00
16497	XXXX	00
16508	FLEMING ISAIAH	674-7937
16518	FORONDA FRANK	673-3184 8
16587	NAPIER DAISY G	673-3081
16707	MARSH SIDNEY W	673-3785
16796	SHILLINGS CLYDE	674-4593
16851	LONG WILLIE	673-0301 3
	MADERA PLUMBING	673-0301
16857	BENNETT CLARENCE H	673-4524 3
	LANKFORD FLOYD	673-2170 +0
16871	OSTRANDER G	673-5512 8
	* 43 BUS 141 RES	35 NEW

N D ST 1975

1305	OLSEN CHAS A	674-6485	3
1309	XXXX	CO	
1313	MCCULLOUGH BERNICE	674-4986	3
1317	JONES WENDELL	673-0394	
1321	GALINDO RUBEN R	673-1974	+5

N D ST 1975

Target Street	Cross Street	Source
. . D NORTH		93637 CONT..
1327	XXXX	00
1329	VAN HORN JOHNNY SR	674-1360+5
15877*	PENTECOSTAL CH GOD	674-8632
16188	JACKSON HERBERT	674-2500
	JACKSON VELERA	674-2500
16227	ADAME PLACIDA	674-2550
16255	MCALISTER RAY	673-9613
16280	VALDEZ PEDRO	674-7260+5
16294	GARZA RAMIRO	673-0668
16319	LEAYM GEO W	673-1760
16333	TALLEY HAROLD	673-4435+5
16357	XXXX	00
16393	XXXX	00
16447	HUNTER HUGH M	674-2069
16473	CARRILLO FRANK	673-5050 3
16485	TALBERT TAFT	673-4701+5
16497	SHATTUCK DONALD L	673-0455+5
16509	FLEMING ISAIAH	674-7937
16519	FORONDA FRANK	673-4667 4
16557	NAPIER HUGH N	673-3081
16707	MARSH J W	673-3765
16796	SHILLINGS CLYDE	674-4593
16851	LONG WILLIE	673-0301 3
	*MADERA PLUMBING	673-0301
16857	BENNETT CLARENCE R	673-4624 3
	* 38 BUS 132 RES	31 NEW

N D ST 1969

**SHERWOOD WAY
INTERSECTS**

1305 Denney Moody 674-5464

1309 Brunner Shirley Mrs
674-72881313 Jones Leland G ©
OR4-7898

1317 Jones Wendell T 673-0394

1321 No Return

1327 No Return

1329 Cox Arlettie Mrs ©
673-3433

1329½ Guilliams Charlie

15877 Pentecostal Church Of
God 674-8632

Ogle James T 673-1610



Proposed Residential Property

16227 North D Street

Madera, CA 93638

Inquiry Number: 7458469.8

October 02, 2023

The EDR Aerial Photo Decade Package



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

Site Name:

Proposed Residential Property
 16227 North D Street
 Madera, CA 93638
 EDR Inquiry # 7458469.8

Client Name:

Krazan & Associates, Inc.
 4320 Orange Grove Avenue Suite E
 Sacramento, CA 95841
 Contact: William Vick



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Acquisition Date: January 01, 1998	USGS/DOQQ
1984	1"=500'	Flight Date: June 17, 1984	USDA
1981	1"=500'	Flight Date: August 01, 1981	USDA
1978	1"=500'	Flight Date: July 15, 1978	USGS
1972	1"=500'	Flight Date: September 08, 1972	USGS
1962	1"=500'	Flight Date: August 09, 1962	USGS
1950	1"=500'	Flight Date: February 07, 1950	USDA
1946	1"=500'	Flight Date: April 26, 1946	USGS
1937	1"=500'	Flight Date: October 07, 1937	USDA

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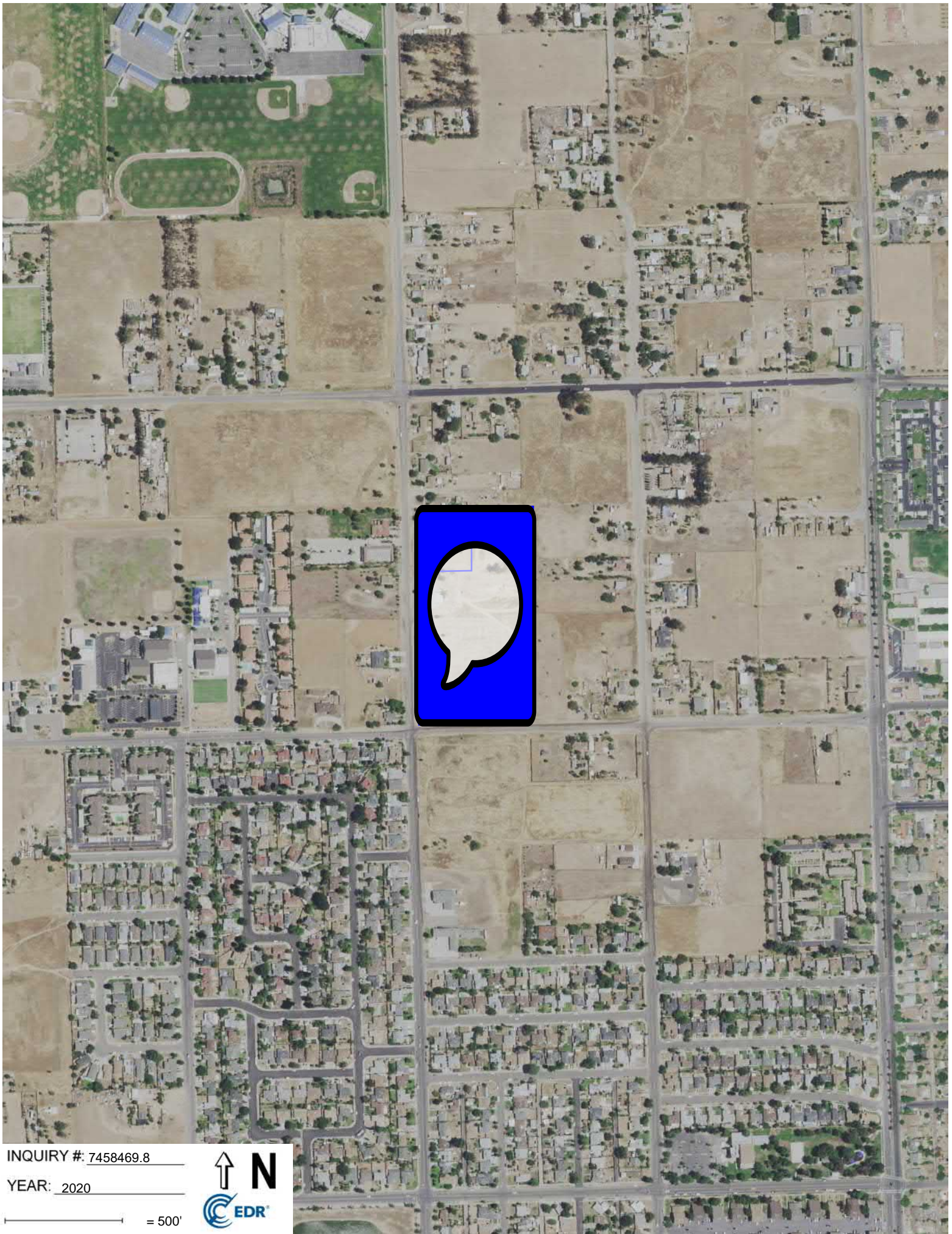
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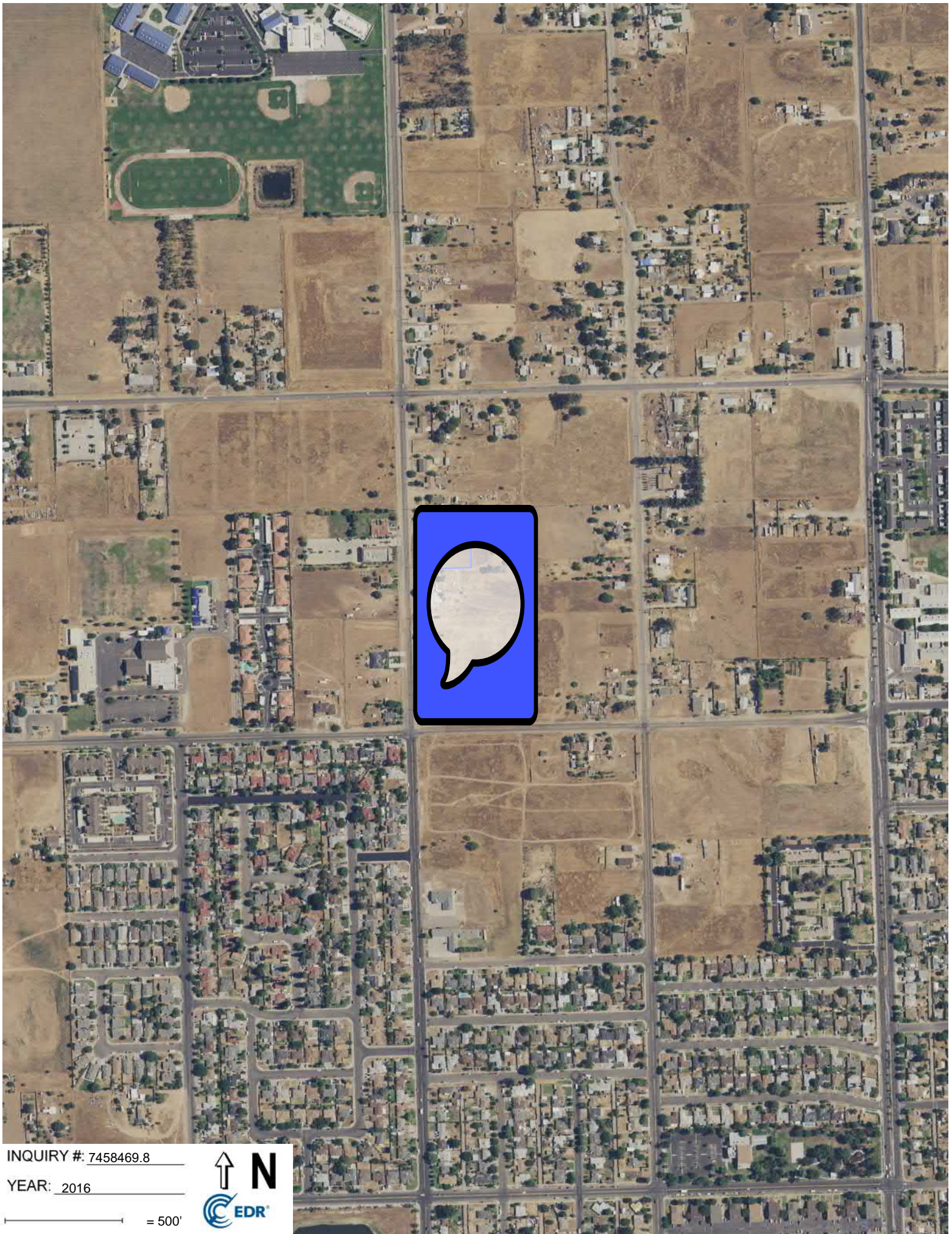


INQUIRY #: 7458469.8

YEAR: 2020

— = 500'



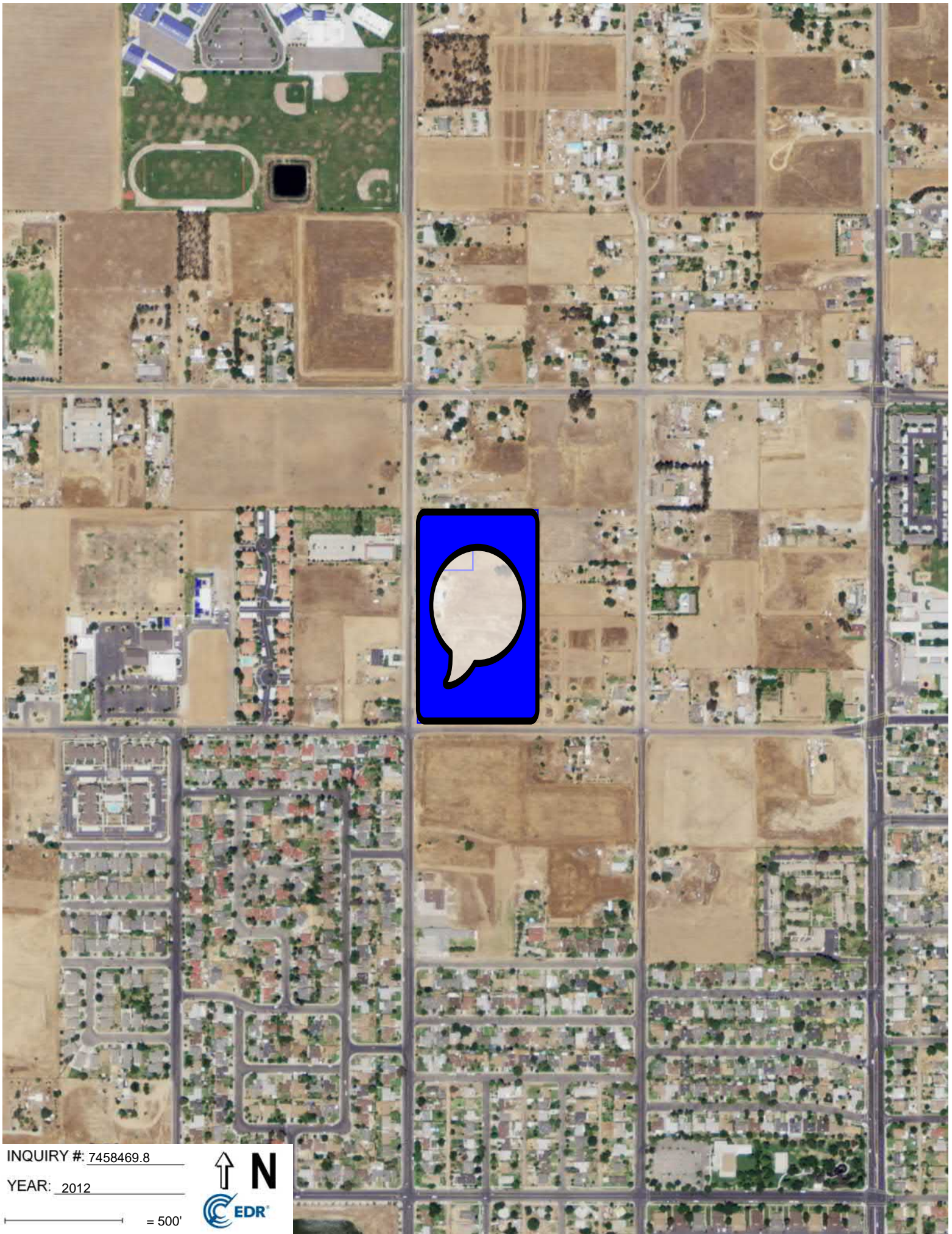


INQUIRY #: 7458469.8

YEAR: 2016

— = 500'



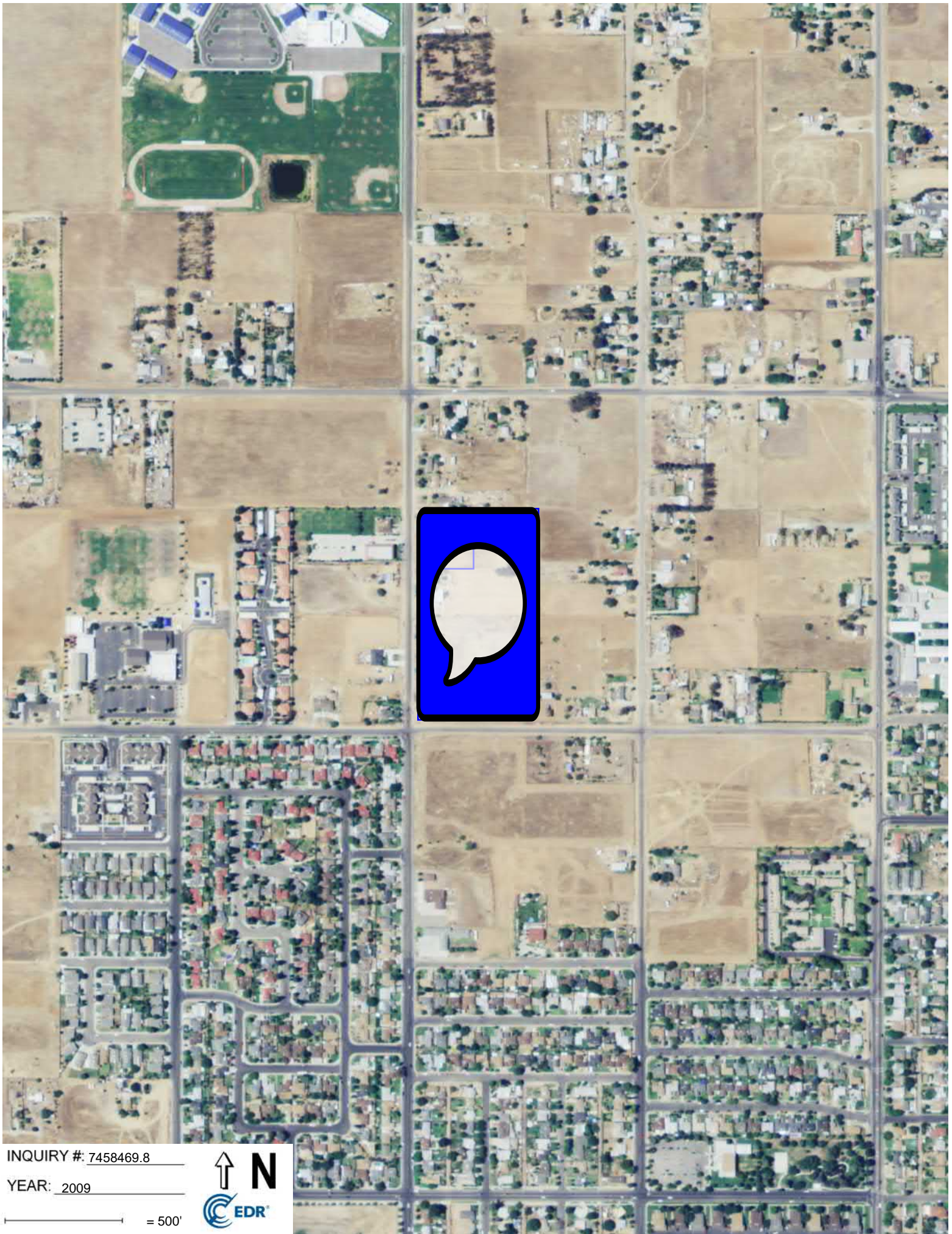


INQUIRY #: 7458469.8

YEAR: 2012

— = 500'



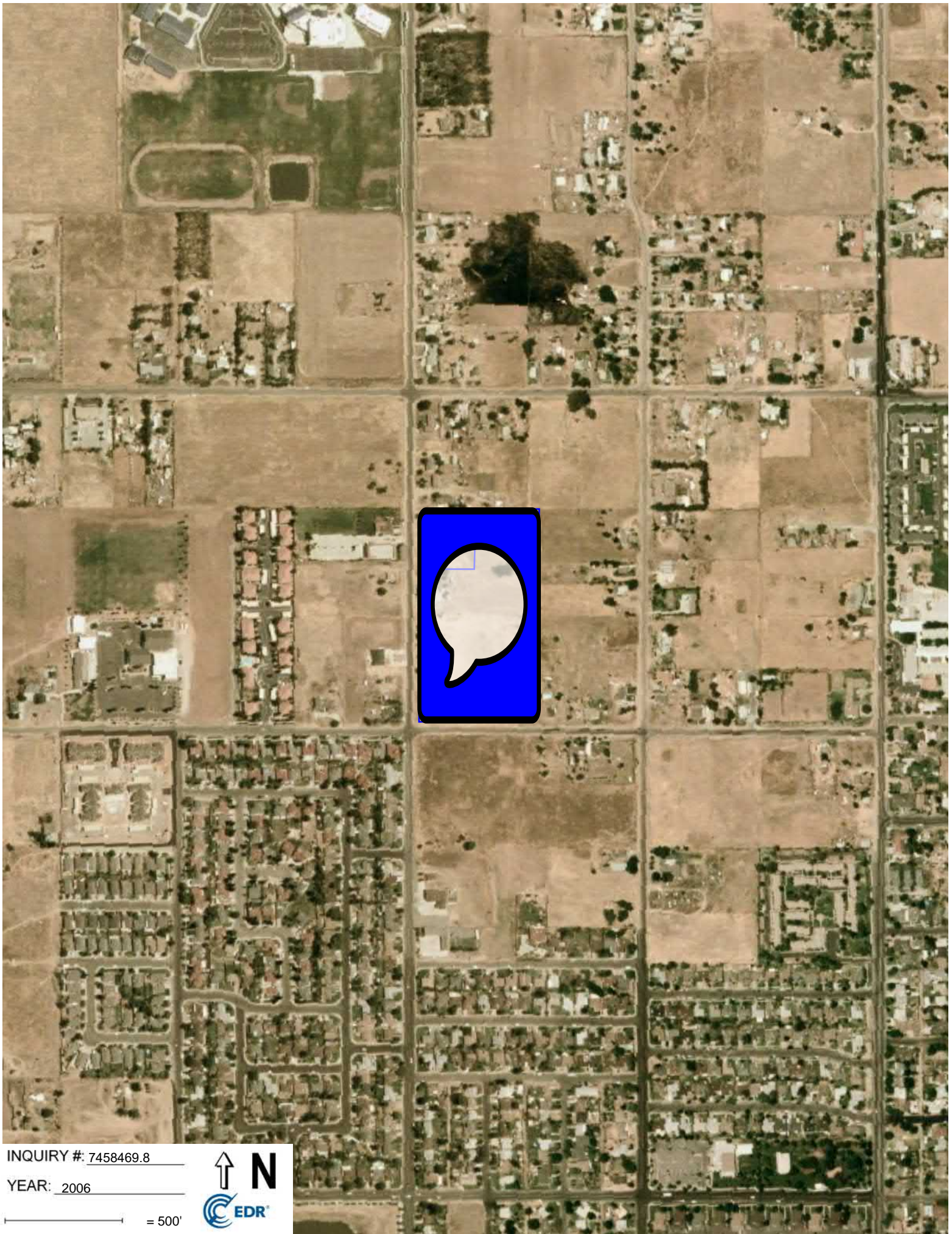


INQUIRY #: 7458469.8

YEAR: 2009

— = 500'





INQUIRY #: 7458469.8

YEAR: 2006

— = 500'



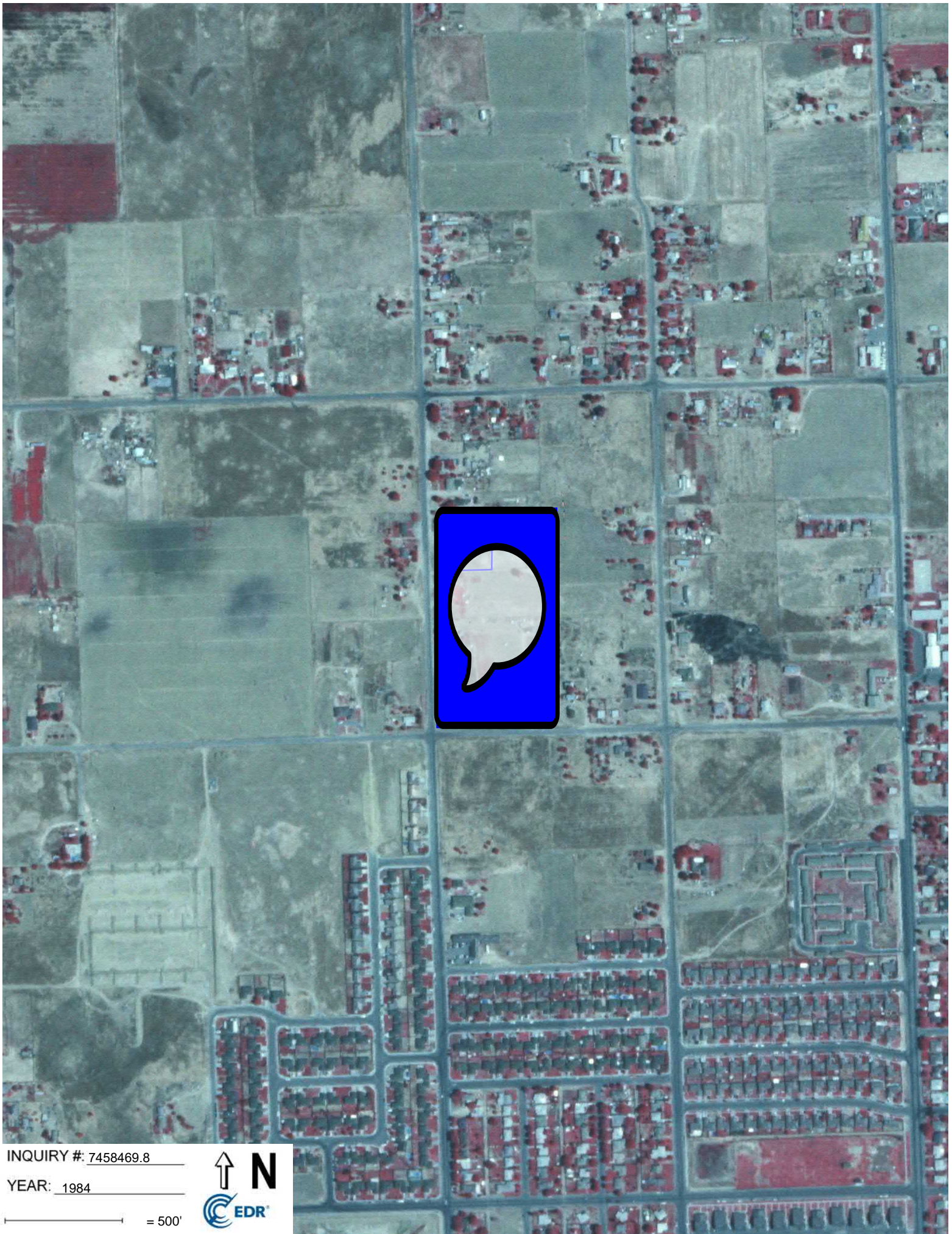


INQUIRY #: 7458469.8

YEAR: 1998

— = 500'





INQUIRY #: 7458469.8

YEAR: 1984

— = 500'



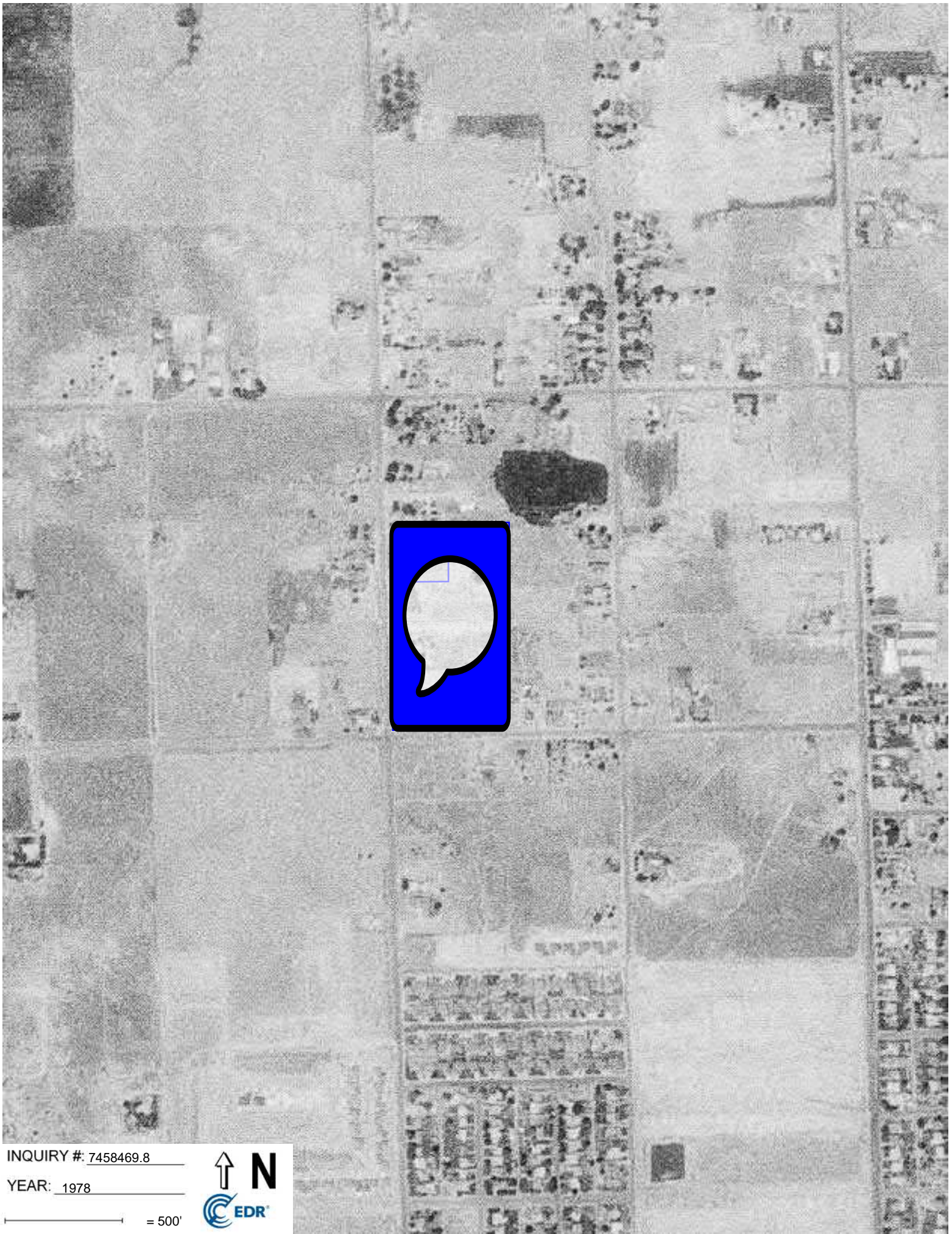


INQUIRY #: 7458469.8

YEAR: 1981

— = 500'



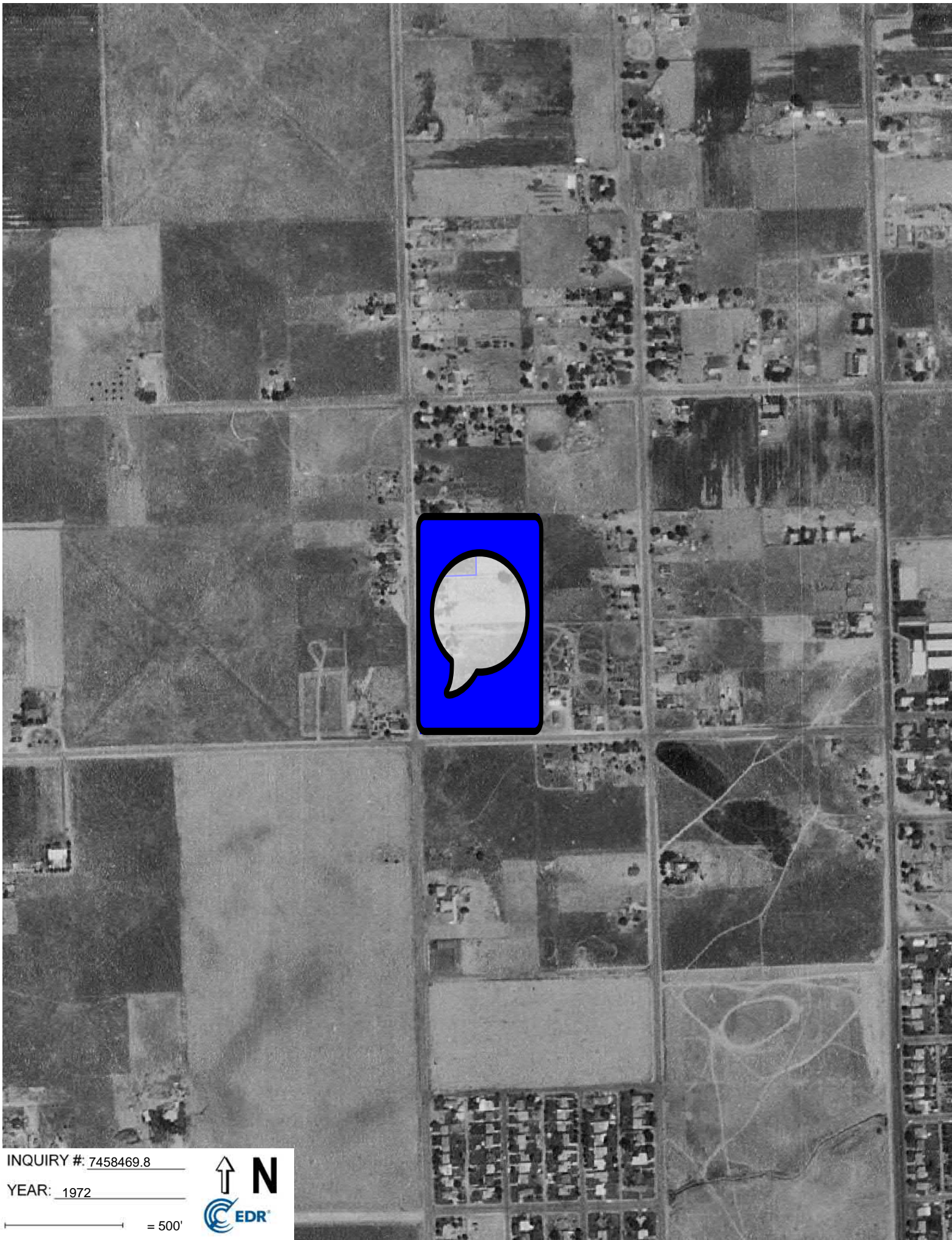


INQUIRY #: 7458469.8

YEAR: 1978

— = 500'





INQUIRY #: 7458469.8

YEAR: 1972

— = 500'





INQUIRY #: 7458469.8

YEAR: 1962

— = 500'





INQUIRY #: 7458469.8

YEAR: 1950

— = 500'





INQUIRY #: 7458469.8

YEAR: 1946

— = 500'





INQUIRY #: 7458469.8

YEAR: 1937

— = 500'



Appendix B

**PHASE I ESA
PROPERTY OWNER QUESTIONNAIRE**

Property Name: Proposed Residential Property

Address/APN: 16255 North D Street / 038-090-009 and 038-090-010

City/State/Zip: Madera, California 93638

Name: [REDACTED] Company: _____

Date: [REDACTED] Phone: [REDACTED]

Knowledge of Previous Owner(s) and Phone Number? [REDACTED]

How are you associated with the subject site? [REDACTED]

How long have you been associated with the subject site? [REDACTED]

What is the subject site currently used for? [REDACTED]

Are there structures on the subject site? Yes No How many? [REDACTED]

Do you know of any previous structures on the subject site? Yes No
If so, describe uses. [REDACTED]

Do you have knowledge of the presence of underground storage tanks (UST) or aboveground storage tanks (AST) being located on the subject property (current or historical)? Yes No
(If so, please provide info including number, size, contents, and locations.)

Currently: _____ Historically: _____

Do you know of any chemicals, hazardous materials and/or persistent pesticides/herbicides (such as DDT) being used, stored or discharged on the subject site? Yes No
If so, please list any chemicals / hazardous materials and their location(s). _____

Do you have any knowledge of imported soil on the subject property? Yes No
If so, please indicate the origin and location of the imported soil? _____

Do you know of any buried materials such as garbage dumps, burn pits or underground pipelines located on the subject site? **Yes** **No**
If so, please specify and indicate the location(s). _____

Do you know of any septic systems located on the subject property (current or historical)? **Yes** **No**
If so, how many currently? If so, how many historically? _____

Do you know of any domestic or agricultural water wells located on the subject property (current or historical)? **Yes** **No**
If so, how many currently? _____ If so, how many historically? _____

Do you know of any dry wells located on the subject property (current or historical)? **Yes** **No**

Do you know of any environmental monitoring wells located on the subject property (current or historical)? **Yes** **No**

Do you know of any drainage or disposal ponds located on the subject property? **Yes** **No**

Is the subject property connected to municipal water and/or sewer systems? **Yes** **No**

Do you know of obvious indications pointing to the presence or likely presence of contamination of the subject property? **Yes** **No**
If so, please specify and indicate location. _____

Do you have any concerns about adjacent property usage such as gasoline stations, industrial uses, or USTs/ASTs on adjacent properties? **Yes** **No**

Are you aware of any environmental cleanup liens against the subject property that are filled or recorded under federal, tribal, state, or local law? **Yes** **No**

Have there been any previous commercial and/or industrial (non-residential) tenants/occupants on the subject property or in on-site buildings? **Yes** **No**
If so, please list: _____

Are you aware of any activity use limitations (AULs) such as engineering controls, land use restrictions, or institutional controls that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law? **Yes** **No**
If so, please specify. _____

Do you have specialized knowledge or experience related to the subject property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjacent property so that you would have specialized knowledge of the chemicals and processes used by this type of business? **Yes** **No**
If so, please specify and briefly explain. _____

Does the purchase price being paid for the subject property reasonably reflect the fair market value of the subject property? **Yes** **No**

Do you know the past uses of the subject property? **Yes** **No**
If so, briefly explain. _____

Do you have knowledge of the current or historical presence of vehicle repair-related features (i.e. sumps, oil/water clarifiers, subsurface hydraulic vehicle hoists, etc.)? **Yes** **No**
If so, briefly explain. _____

Do you know of specific chemicals that are present or once were present at the subject property? **Yes** **No**
If so, briefly explain. _____

Do you know of any spills or other chemical releases that have taken place at the subject property? **Yes** **No**
If so, briefly explain. _____

Are you aware of, or have you been notified of, any contamination issues to soil or groundwater either at the subject property or in the vicinity of the subject site? **Yes** **No**
If so, briefly explain. _____

What is the reason for preparation of this Phase I ESA? (Property purchase/sale; bank loan; proposed development, etc.) _____

If purchase price has been established, does it reasonably reflect fair market value? _____

Are there any proposed changes in the uses of the subject site? **Yes** **No**
If so, please specify. _____

Name: _____ Date: _____
(Please Print)

Signature: _____

**PHASE I ESA
USER QUESTIONNAIRE**

Property Name: Proposed Residential Development

Address/APN: 16255 North D Street / 038-090-009 and 038-090-010

City/State/Zip: Madera, California 93638

Respondent Information:

Name: Emily Bowen

Company: Crawford & Bowen Planning, Inc.

Date: 10/05/2023

Phone: 559-840-4414

Introduction

“In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfield Revitalization Act of 2001 (the ‘Brownfields Amendments’), the *user* must provide the following inquiries required by 40 CFR §§ 312.25, 312.28, 312.29, 312.30 and 312.31. The *user* should provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that ‘*all appropriate inquiry*’ is not complete.” - American Society for Testing and Materials (ASTM) E1527-21 Appendix X3. User Questionnaire

1. Are you aware of any environmental cleanup liens against the subject site that are filed or recorded under federal, tribal, state, or local law?

No.

2. Are you aware of any activity use limitations (AULs) such as engineering controls, land use restrictions, or institutional controls that are in place at the subject site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

No.

3. As the user of the Phase I Environmental Site Assessment (ESA), do you have any specialized knowledge or experience related to the subject site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject site or an adjacent property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No.

4. Does the purchase price being paid for the subject site reasonably reflect the fair market value of the subject site? **Yes No** N/A - not involved in purchasing subject site.

A. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the subject site?

5. Are you aware of commonly known or reasonably ascertainable information about the subject site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example:

A. Do you know the past uses of the subject site? If so, briefly explain.

No.

B. Do you know of specific chemicals that are present or once were present at the subject site? If so, briefly explain.

No.

C. Do you know of spills or other chemical releases that have taken place at the subject site? If so, briefly explain.

No.

D. Do you know of any environmental cleanups that have taken place at the subject site? If so, briefly explain.

No.

6. As the user of the Phase I ESA, based on your knowledge and experience related to the subject site, are there any obvious indicators that point to the presence or likely presence of contamination at the subject site?

No.

7. What is the reason for preparation of this Phase I ESA? (Property purchase/sale; bank loan; proposed development; etc.)

Requested by City for CEQA compliance.

I, the user of this Phase I ESA (or authorized representative of the User), do hereby attest that I have carefully considered the questions herein and have presented answers to the best of my knowledge and ability based upon the Responsibilities of the User as required within ASTM E1527-21 guidance.

Name Emily Bowen Date 10/05/2023
(Please Print)

Signature 

Appendix C

Proposed Residential Property

16227 North D Street
Madera, CA 93638

Inquiry Number: 7458469.2s
September 29, 2023

The EDR Radius Map™ Report with GeoCheck®



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

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 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

16227 NORTH D STREET
MADERA, CA 93638

COORDINATES

Latitude (North): 36.9841770 - 36° 59' 3.03"
Longitude (West): 120.0621420 - 120° 3' 43.71"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 761491.5
UTM Y (Meters): 4096949.0
Elevation: 282 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 12002696 MADERA, CA
Version Date: 2018

North Map: 12007903 KISMET, CA
Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200616
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 16227 NORTH D STREET
 MADERA, CA 93638

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	PENTECOSTAL CHURCH	15877 N D ST	HAZNET, HWTS	Lower	1 ft.
2	ANGELINA GUTIERREZ	512 EAST CLARK STREE	RCRA NonGen / NLR	Lower	1172, 0.222, SSE
3	ESPINOSA, RAY	16475 LAKE	LUST, Cortese, CUPA Listings, HIST CORTESE, CERS	Higher	2178, 0.412, NE
4	20-ACRE SCHOOL SITE	MARTIN STREET/NORTH	ENVIROSTOR, SCH	Higher	2614, 0.495, North
5	16-ACRE SCHOOL SITE	26384 MARTIN STREET	ENVIROSTOR, SCH, CERS	Lower	3539, 0.670, NW
6	ELLIS/CHAPIN STREET	ELLIS/CHAPIN STREET	ENVIROSTOR, SCH	Higher	4234, 0.802, ENE
7	NEW MARTIN ST/ROAD 2	MARTIN STREET/ROAD 2	ENVIROSTOR, SCH	Lower	4358, 0.825, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

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

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

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

Lists of state and tribal voluntary cleanup sites

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

Lists of state and tribal brownfield sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

HIST Cal-Sites.....	Historical Calsites Database
SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
CERS HAZ WASTE.....	California Environmental Reporting System Hazardous Waste
Toxic Pits.....	Toxic Pits Cleanup Act Sites
US CDL.....	National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

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

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees

EXECUTIVE SUMMARY

INDIAN RESERV.	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	Inspection, Compliance and Enforcement
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
HAZMAT	Hazardous Material Facilities
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)

EXECUTIVE SUMMARY

WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
PFAS TRIS.....	List of PFAS Added to the TRI
CHROME PLATING.....	Chrome Plating Facilities Listing
MINES MRDS.....	Mineral Resources Data System
BIOSOLIDS.....	ICIS-NPDES Biosolids Facility Data

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/24/2023 has revealed that there are

EXECUTIVE SUMMARY

4 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
20-ACRE SCHOOL SITE Status: No Action Required Facility Id: 20020001	MARTIN STREET/NORTH	N 1/4 - 1/2 (0.495 mi.)	4	16
ELLIS/CHAPIN STREET Status: No Further Action Facility Id: 60000121	ELLIS/CHAPIN STREET	ENE 1/2 - 1 (0.802 mi.)	6	21
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
16-ACRE SCHOOL SITE Status: No Action Required Facility Id: 20880001	26384 MARTIN STREET	NW 1/2 - 1 (0.670 mi.)	5	18
NEW MARTIN ST/ROAD 2 Status: Certified Facility Id: 60000302	MARTIN STREET/ROAD 2	NW 1/2 - 1 (0.825 mi.)	7	24

Lists of state and tribal leaking storage tanks

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

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ESPINOSA, RAY Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 06/05/2023 Status: Completed - Case Closed Status: Case Closed Global Id: T0603900012	16475 LAKE	NE 1/4 - 1/2 (0.412 mi.)	3	12

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/24/2023 has revealed that

EXECUTIVE SUMMARY

there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANGELINA GUTIERREZ EPA ID:: CAC003193922	512 EAST CLARK STREE	SSE 1/8 - 1/4 (0.222 mi.)	2	10

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

A review of the Cortese list, as provided by EDR, and dated 06/14/2023 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ESPINOSA, RAY Cleanup Status: COMPLETED - CASE CLOSED	16475 LAKE	NE 1/4 - 1/2 (0.412 mi.)	3	12

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CAL SITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ESPINOSA, RAY Reg Id: 5T20000012	16475 LAKE	NE 1/4 - 1/2 (0.412 mi.)	3	12

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2021 has revealed that there is 1 HAZNET site within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PENTECOSTAL CHURCH GEPAID: CAC002701107	15877 N D ST	0 - 1/8 (0.000 mi.)	1	9

HWTS: DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

A review of the HWTS list, as provided by EDR, and dated 04/13/2023 has revealed that there is 1 HWTS site within approximately 0.001 miles of the target property.

EXECUTIVE SUMMARY

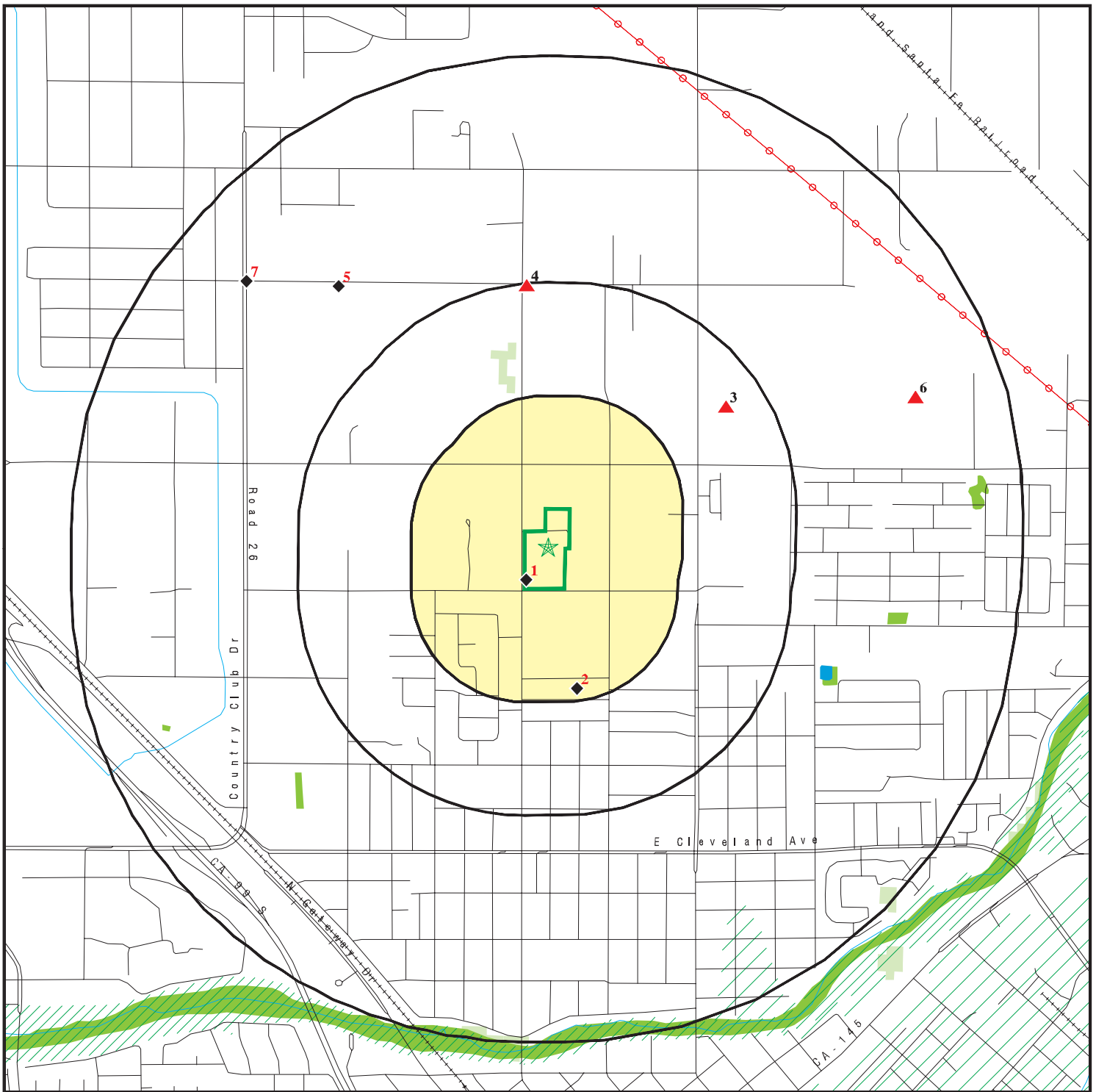
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PENTECOSTAL CHURCH</i>	<i>15877 N D ST</i>	<i>0 - 1/8 (0.000 mi.)</i>	<i>1</i>	<i>9</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

<u>Site Name</u>	<u>Database(s)</u>
PROPOSED MADERA SCHOOL SITE	ENVIROSTOR, SCH
LEON'S PLACE AND FIX IT	ENVIROSTOR
LOT SOUTH OF VALLEY WHOLESALE BLDG	ENVIROSTOR
LANDFILL #1	ENVIROSTOR

OVERVIEW MAP - 7458469.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

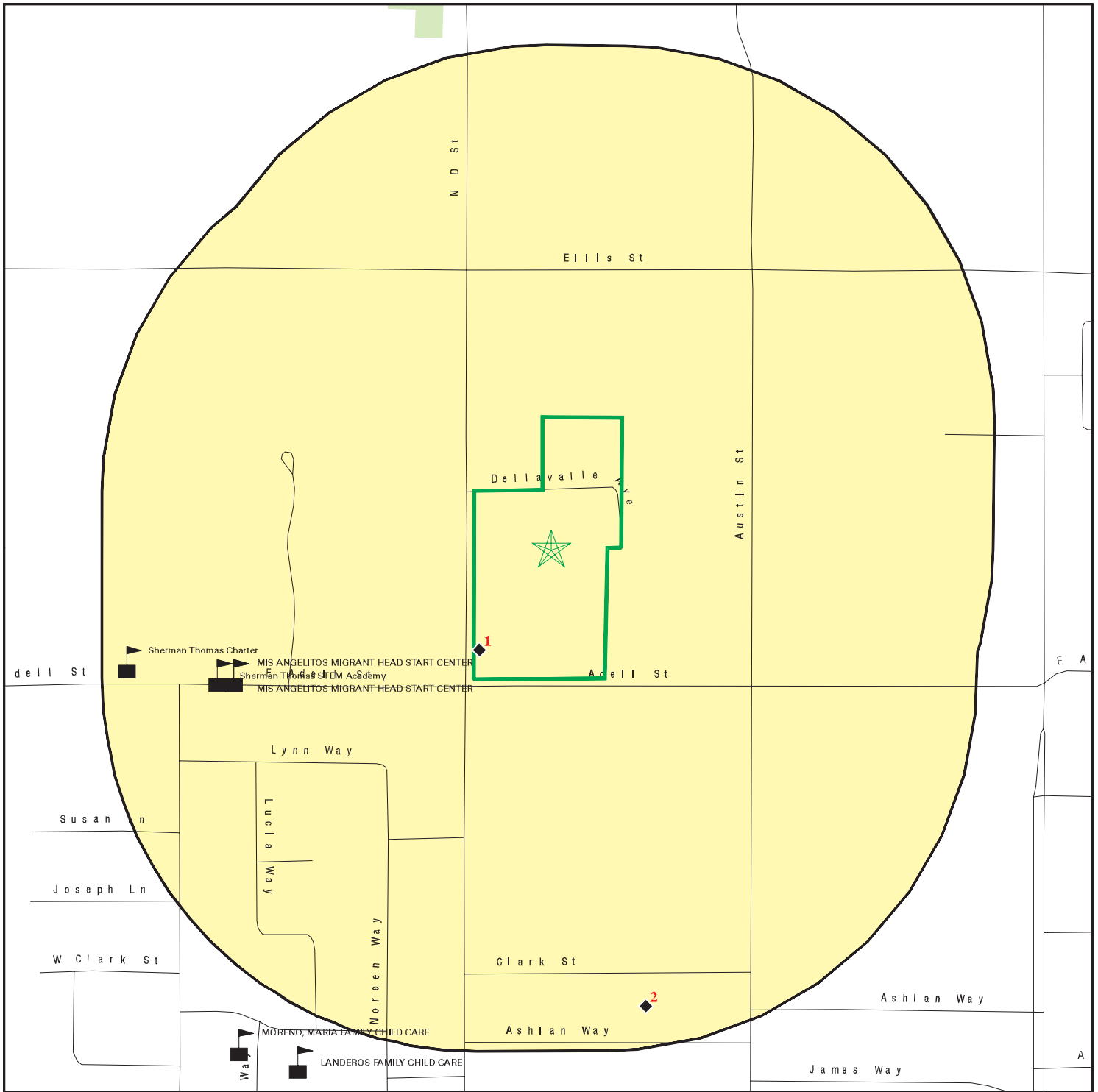









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.







SITE NAME: Proposed Residential Property
 ADDRESS: 16227 North D Street
 Madera CA 93638
 LAT/LONG: 36.984177 / 120.062142

CLIENT: Krazan & Associates, Inc.
 CONTACT: William Vick
 INQUIRY #: 7458469.2s
 DATE: September 29, 2023 6:49 pm

DETAIL MAP - 7458469.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: Proposed Residential Property ADDRESS: 16227 North D Street Madera CA 93638 LAT/LONG: 36.984177 / 120.062142</p>	<p>CLIENT: Krazan & Associates, Inc. CONTACT: William Vick INQUIRY #: 7458469.2s DATE: September 29, 2023 6:50 pm</p>
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
ENVIROSTOR	1.000		0	0	1	3	NR	4
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	1	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001		1	NR	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	0.001		1	NR	NR	NR	NR	1
PFAS TRIS	0.250		0	0	NR	NR	NR	0
CHROME PLATING	0.500		0	0	0	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
---------	-------	--	---	---	---	---	----	---

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	2	1	4	3	0	10

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

1 **PENTECOSTAL CHURCH**
15877 N D ST
< 1/8 **MADERA, CA 93638**
1 ft.

HAZNET **S113785766**
HWTS **N/A**

Relative:
Lower
Actual:
281 ft.

HAZNET:

Name:	PENTECOSTAL CHURCH
Address:	15877 N D ST
Address 2:	Not reported
City,State,Zip:	MADERA, CA 936381666
Contact:	TAMMY LONG
Telephone:	5593633939
Mailing Name:	Not reported
Mailing Address:	PO BOX 1027
Year:	2012
Gepaid:	CAC002701107
TSD EPA ID:	CAL000190080
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	14

Additional Info:

Year:	2012
Gen EPA ID:	CAC002701107
Shipment Date:	20120816
Creation Date:	9/28/2012 22:15:13
Receipt Date:	20120821
Manifest ID:	007335987JJK
Trans EPA ID:	CAD120804497
Trans Name:	APC CONTRACTORS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSD EPA ID:	CAL000190080
Trans Name:	FORWARD INC LANDFILL
TSD EPA ID:	Not reported
TSD EPA Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	14
Waste Quantity:	35
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PENTECOSTAL CHURCH
Address:	15877 N D ST
Address 2:	Not reported
City,State,Zip:	MADERA, CA 93638

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PENTECOSTAL CHURCH (Continued)

S113785766

EPA ID: CAC002701107
 Inactive Date: 11/05/2012
 Create Date: 08/06/2012
 Last Act Date: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 1027
 Mailing Address 2: Not reported
 Mailing City,State,Zip: MADERA, CA 936391027
 Owner Name: PENTECOSTAL CHURCH
 Owner Address: 15877 N D ST
 Owner Address 2: Not reported
 Owner City,State,Zip: MADERA, CA 936381666
 Owner Phone: Not reported
 Owner Fax: Not reported
 Contact Name: TAMMY LONG
 Contact Address: PO BOX 1027
 Contact Address 2: Not reported
 City,State,Zip: MADERA, CA 936391027
 Contact Phone: Not reported
 Contact Fax: Not reported
 Facility Status: Inactive
 Facility Type: TEMPORARY
 Category: STATE
 Latitude: 36.98129
 Longitude: -120.063098

2
SSE
1/8-1/4
0.222 mi.
1172 ft.

ANGELINA GUTIERREZ
512 EAST CLARK STREET
MADERA, CA 93638

RCRA NonGen / NLR

1027455742
CAC003193922

Relative:
Lower
Actual:
279 ft.

RCRA Listings:
 Date Form Received by Agency: 20220908
 Handler Name: Angelina Gutierrez
 Handler Address: 512 EAST CLARK STREET
 Handler City,State,Zip: MADERA, CA 93638
 EPA ID: CAC003193922
 Contact Name: ANGELINA GUTIERREZ
 Contact Address: 512 EAST CLARK STREET
 Contact City,State,Zip: MADERA, CA 93638
 Contact Telephone: 559-474-5489
 Contact Fax: Not reported
 Contact Email: AGUTIERREZ030615@GMAIL.COM
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Not reported
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Not reported
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: 512 EAST CLARK STREET
 Mailing City,State,Zip: MADERA, CA 93638
 Owner Name: Angelina Gutierrez
 Owner Type: Other

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ANGELINA GUTIERREZ (Continued)

1027455742

Operator Name:	Angelina Gutierrez
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220909
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ANGELINA GUTIERREZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	512 EAST CLARK STREET
Owner/Operator City,State,Zip:	MADERA, CA 93638
Owner/Operator Telephone:	559-474-5489
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ANGELINA GUTIERREZ (Continued)

1027455742

Owner/Operator Indicator: Operator
 Owner/Operator Name: ANGELINA GUTIERREZ
 Legal Status: Other
 Date Became Current: Not reported
 Date Ended Current: Not reported
 Owner/Operator Address: 512 EAST CLARK STREET
 Owner/Operator City,State,Zip: MADERA, CA 93638
 Owner/Operator Telephone: 559-474-5489
 Owner/Operator Telephone Ext: Not reported
 Owner/Operator Fax: Not reported
 Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20220908
 Handler Name: ANGELINA GUTIERREZ
 Federal Waste Generator Description: Not a generator, verified
 State District Owner: Not reported
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No
 Recognized Trader Exporter: No
 Spent Lead Acid Battery Importer: No
 Spent Lead Acid Battery Exporter: No
 Current Record: Yes
 Non Storage Recycler Activity: No
 Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 56299
 NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

3
NE
1/4-1/2
0.412 mi.
2178 ft.

ESPINOSA, RAY
16475 LAKE
MADERA, CA 93638

LUST **S104404452**
Cortese **N/A**
CUPA Listings
HIST CORTESE
CERS

Relative:
Higher

LUST:

Actual:
288 ft.

Name: ESPINOSA, RAY
 Address: 16475 LAKE N
 City,State,Zip: MADERA, CA 93638
 Lead Agency: MADERA COUNTY
 Case Type: LUST Cleanup Site
 Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603900012
 Global Id: T0603900012
 Latitude: 36.988721
 Longitude: -120.055049
 Status: Completed - Case Closed
 Status Date: 10/20/1987
 Case Worker: ADR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ESPINOSA, RAY (Continued)

S104404452

RB Case Number: 5T20000012
Local Agency: MADERA COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
EPA Region: 9
Coordinate Source: Google Geocode
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 03/20/1986
Leak Reported Date: 10/20/1987
How Discovered: Not reported
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: 10/20/1987
CA Water Watershed Name: San Joaquin Valley Floor - Berenda Creek (545.30)
Dwr Groundwater Subbasin Name: San Joaquin Valley - Madera (5-022.06)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 76-80%
CA Enviroscreen 4 Score: 75-80%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: CENTRAL VALLEY RWQCB (REGION 5F)
Site History: Not reported

LUST:

Global Id: T0603900012
Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: ANN ROLAN
Organization Name: MADERA COUNTY
Address: 2037 WEST CLEVELAND
City: MADERA
Email: arolan@madera-county.com
Phone Number: Not reported

Global Id: T0603900012
Contact Type: Regional Board Caseworker
Contact Name: JEFFREY HANNEL
Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)
Address: 1685 E STREET
City: FRESNO
Email: jhannel@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603900012
Action Type: Other
Date: 03/20/1986
Action: Leak Discovery

Global Id: T0603900012
Action Type: Other
Date: 10/20/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ESPINOSA, RAY (Continued)

S104404452

Action: Leak Reported
Global Id: T0603900012
Action Type: ENFORCEMENT
Date: 07/21/2010
Action: Closure/No Further Action Letter

LUST:

Global Id: T0603900012
Status: Open - Case Begin Date
Status Date: 03/20/1986

Global Id: T0603900012
Status: Completed - Case Closed
Status Date: 10/20/1987

LUST REG 5:

Name: ESPINOSA, RAY
Address: 16475 LAKE N
City: MADERA
Region: 5
Status: Case Closed
Case Number: 5T20000012
Case Type: Soil only
Substance: HYDROCARBONS
Staff Initials: JWH
Lead Agency: Local
Program: LUST
MTBE Code: N/A

CORTESE:

Name: ESPINOSA, RAY
Address: 16475 LAKE N
City,State,Zip: MADERA, CA 93638
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603900012
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ESPINOSA, RAY (Continued)

S104404452

CUPA MADERA:

Name: ESPINOZA SEWER SERVICE
Address: 16475 LAKE
City,State,Zip: MADERA, CA
Contact Name: ESPINOZA, ANTONIO
Region: MADERA
Facility ID: FA0100978
Contact Phone: 5596731121

Detail:

Program Element Code: 2164
Decode for Current Status: Not reported
Facility Id: FA0100978
Common Name: Diesel
Current Status: 01
Program/Elements: Haz Mat Inventory

Program Element Code: 2164
Decode for Current Status: Not reported
Facility Id: FA0100978
Common Name: Regular Gasoline
Current Status: 01
Program/Elements: Haz Mat Inventory

HIST CORTESE:

edr_fname: ESPINOSA, RAY
edr_fadd1: 16475 LAKE
City,State,Zip: MADERA, CA 93638
Region: CORTESE
Facility County Code: 20
Reg By: LTNKA
Reg Id: 5T20000012

CERS:

Name: ESPINOSA, RAY
Address: 16475 LAKE N
City,State,Zip: MADERA, CA 93638
Site ID: 652578
CERS ID: T0603900012
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ANN ROLAN - MADERA COUNTY
Entity Title: Not reported
Affiliation Address: 2037 WEST CLEVELAND
Affiliation City: MADERA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JEFFREY HANNEL - CENTRAL VALLEY RWQCB (REGION 5F)
Entity Title: Not reported
Affiliation Address: 1685 E STREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ESPINOSA, RAY (Continued)

S104404452

Affiliation City: FRESNO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

4
North
1/4-1/2
0.495 mi.
2614 ft.

20-ACRE SCHOOL SITE
MARTIN STREET/NORTH D STREET
MADERA, CA 93638

ENVIROSTOR **S118756624**
SCH **N/A**

Relative:
Higher
Actual:
286 ft.

ENVIROSTOR:
Name: 20-ACRE SCHOOL SITE
Address: MARTIN STREET/NORTH D STREET
City,State,Zip: MADERA, CA 93638
Facility ID: 20020001
Status: No Action Required
Status Date: 08/14/2003
Site Code: 104341
Site Type: School Investigation
Site Type Detailed: School
Acres: 20
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Juan Koponen
Division Branch: Northern California Schools & Santa Susana
Assembly: 27
Senate: 14
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 36.99155
Longitude: -120.0639
APN: 38010026000
Past Use: AGRICULTURAL - LIVESTOCK
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: 20-ACRE SCHOOL SITE
Alias Type: Alternate Name
Alias Name: MADERA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: MADERA USD-20-ACRE SCHOOL SITE
Alias Type: Alternate Name
Alias Name: 038010026000
Alias Type: APN
Alias Name: 104341
Alias Type: Project Code (Site Code)
Alias Name: 20020001
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20-ACRE SCHOOL SITE (Continued)

S118756624

Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 08/14/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/19/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: 20-ACRE SCHOOL SITE
Address: MARTIN STREET/NORTH D STREET
City,State,Zip: MADERA, CA 93638
Facility ID: 20020001
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 20
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Juan Koponen
Division Branch: Northern California Schools & Santa Susana
Site Code: 104341
Assembly: 27
Senate: 14
Special Program Status: Not reported
Status: No Action Required
Status Date: 08/14/2003
Restricted Use: NO
Funding: School District
Latitude: 36.99155
Longitude: -120.0639
APN: 38010026000
Past Use: AGRICULTURAL - LIVESTOCK
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: 20-ACRE SCHOOL SITE
Alias Type: Alternate Name
Alias Name: MADERA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

20-ACRE SCHOOL SITE (Continued)

S118756624

Alias Name: MADERA USD-20-ACRE SCHOOL SITE
 Alias Type: Alternate Name
 Alias Name: 038010026000
 Alias Type: APN
 Alias Name: 104341
 Alias Type: Project Code (Site Code)
 Alias Name: 20020001
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 08/14/2003
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 09/19/2003
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

**5
 NW
 1/2-1
 0.670 mi.
 3539 ft.**

**16-ACRE SCHOOL SITE
 26384 MARTIN STREET
 MADERA, CA 93638**

**ENVIROSTOR S118756626
 SCH N/A
 CERS**

**Relative:
 Lower
 Actual:
 281 ft.**

ENVIROSTOR:
 Name: 16-ACRE SCHOOL SITE
 Address: 26384 MARTIN STREET
 City,State,Zip: MADERA, CA 93638
 Facility ID: 20880001
 Status: No Action Required
 Status Date: 07/01/2003
 Site Code: 104348
 Site Type: School Investigation
 Site Type Detailed: School
 Acres: 16.07
 NPL: NO
 Regulatory Agencies: DTSC
 Lead Agency: DTSC
 Program Manager: Not reported
 Supervisor: Juan Koponen
 Division Branch: Northern California Schools & Santa Susana
 Assembly: 27
 Senate: 14
 Special Program: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

16-ACRE SCHOOL SITE (Continued)

S118756626

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 36.99204
Longitude: -120.0670
APN: 38010025000
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: 16-ACRE SCHOOL SITE
Alias Type: Alternate Name
Alias Name: MADERA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: MADERA USD-16-ACRE SCHOOL SITE
Alias Type: Alternate Name
Alias Name: 038010025000
Alias Type: APN
Alias Name: 104348
Alias Type: Project Code (Site Code)
Alias Name: 20880001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/25/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: 16-ACRE SCHOOL SITE
Address: 26384 MARTIN STREET
City,State,Zip: MADERA, CA 93638

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

16-ACRE SCHOOL SITE (Continued)

S118756626

Facility ID: 20880001
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 16.07
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Juan Koponen
Division Branch: Northern California Schools & Santa Susana
Site Code: 104348
Assembly: 27
Senate: 14
Special Program Status: Not reported
Status: No Action Required
Status Date: 07/01/2003
Restricted Use: NO
Funding: School District
Latitude: 36.99204
Longitude: -120.0670
APN: 38010025000
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: 16-ACRE SCHOOL SITE
Alias Type: Alternate Name
Alias Name: MADERA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: MADERA USD-16-ACRE SCHOOL SITE
Alias Type: Alternate Name
Alias Name: 038010025000
Alias Type: APN
Alias Name: 104348
Alias Type: Project Code (Site Code)
Alias Name: 20880001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/25/2003
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

16-ACRE SCHOOL SITE (Continued)

S118756626

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:

Name: 16-ACRE SCHOOL SITE
Address: 26384 MARTIN STREET
City,State,Zip: MADERA, CA 93638
Site ID: 605785
CERS ID: 20880001
CERS Description: School Investigation

Affiliation:

Affiliation Type Desc: Supervisor
Entity Name: Juan Koponen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

6
ENE
1/2-1
0.802 mi.
4234 ft.

ELLIS/CHAPIN STREET ELEMENTARY SCHOOL
ELLIS/CHAPIN STREET
MADERA, CA 93638

ENVIROSTOR S107736289
SCH N/A

Relative:
Higher
Actual:
294 ft.

ENVIROSTOR:

Name: ELLIS/CHAPIN STREET ELEMENTARY SCHOOL
Address: ELLIS/CHAPIN STREET
City,State,Zip: MADERA, CA 93638
Facility ID: 60000121
Status: No Further Action
Status Date: 01/11/2006
Site Code: 104496
Site Type: School Investigation
Site Type Detailed: School
Acres: 18
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Assembly: 8
Senate: 14
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS/CHAPIN STREET ELEMENTARY SCHOOL (Continued)

S107736289

Funding: School District
Latitude: 36.98903
Longitude: -120.0475
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead Polychlorinated biphenyls (PCBs)
Confirmed COC: 30018-NO 30013-NO
Potential Description: SOIL
Alias Name: MADERA USD-ELLIS/CHAPIN STREET ELEM SCL
Alias Type: Alternate Name
Alias Name: 104496
Alias Type: Project Code (Site Code)
Alias Name: 60000121
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/08/2005
Comments: Lead from lead-based paint and PCBs are the environmental concerns identified at the site. Determination letter stated that a Phase I Addendum should be prepared with results of soil sampling for lead and PCBs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 01/06/2006
Comments: Received 2 copies of a Phase 1 second addendum.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: ELLIS/CHAPIN STREET ELEMENTARY SCHOOL
Address: ELLIS/CHAPIN STREET
City,State,Zip: MADERA, CA 93638
Facility ID: 60000121
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 18

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS/CHAPIN STREET ELEMENTARY SCHOOL (Continued)

S107736289

National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Site Code: 104496
Assembly: 8
Senate: 14
Special Program Status: Not reported
Status: No Further Action
Status Date: 01/11/2006
Restricted Use: NO
Funding: School District
Latitude: 36.98903
Longitude: -120.0475
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead, Polychlorinated biphenyls (PCBs)
Confirmed COC: 30018-NO, 30013-NO
Potential Description: SOIL
Alias Name: MADERA USD-ELLIS/CHAPIN STREET ELEM SCL
Alias Type: Alternate Name
Alias Name: 104496
Alias Type: Project Code (Site Code)
Alias Name: 60000121
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/08/2005
Comments: Lead from lead-based paint and PCBs are the environmental concerns identified at the site. Determination letter stated that a Phase I Addendum should be prepared with results of soil sampling for lead and PCBs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 01/06/2006
Comments: Received 2 copies of a Phase 1 second addendum.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS/CHAPIN STREET ELEMENTARY SCHOOL (Continued)

S107736289

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

7
NW
1/2-1
0.825 mi.
4358 ft.

NEW MARTIN ST/ROAD 26 HIGH SCHOOL
MARTIN STREET/ROAD 26
MADERA, CA 93638

ENVIROSTOR SCH S108054473
N/A

Relative:
Lower
Actual:
278 ft.

ENVIROSTOR:
Name: NEW MARTIN ST/ROAD 26 HIGH SCHOOL
Address: MARTIN STREET/ROAD 26
City,State,Zip: MADERA, CA 93638
Facility ID: 60000302
Status: Certified
Status Date: 04/13/2010
Site Code: 104539
Site Type: School Cleanup
Site Type Detailed: School
Acres: 57
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jose Luevano
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Assembly: 27
Senate: 14
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 36.98989
Longitude: -120.0719
APN: 038-010-018, 038-010-019, 038-010-020, 038-010-021, 038-010-029,
038-010-030, 038-010-031, 038-010-032, 038-010-033
Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC: Arsenic Benzene Chlordane DDD DDE DDT Lead TPH-diesel TPH-gas
TPH-MOTOR OIL Cadmium and compounds Dieldrin
Confirmed COC: 30001-NO 30003-NO 30004-NO 30013-NO 30006-NO 30007-NO 30008-NO No
Contaminants found 30024-NO 30025-NO 30108-NO 30207-NO 3002502-NO
Potential Description: SOIL
Alias Name: 038-010-018
Alias Type: APN
Alias Name: 038-010-019
Alias Type: APN
Alias Name: 038-010-020
Alias Type: APN
Alias Name: 038-010-021
Alias Type: APN
Alias Name: 038-010-029
Alias Type: APN
Alias Name: 038-010-030
Alias Type: APN
Alias Name: 038-010-031
Alias Type: APN
Alias Name: 038-010-032
Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MARTIN ST/ROAD 26 HIGH SCHOOL (Continued)

S108054473

Alias Name: 038-010-033
Alias Type: APN
Alias Name: 104539
Alias Type: Project Code (Site Code)
Alias Name: 60000302
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/08/2010
Comments: DTSC approved the RACR with a no further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/22/2008
Comments: Rec'd executed Agreement from Sharon. Sending overnight to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/09/2009
Comments: DTSC provided field oversight of RAW implementation activities. Field change request made regarding confirmation sample location and sub-floor sampling of residence on the Lopez property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 08/08/2006
Comments: sent fully executed agreement to district

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/07/2008
Comments: DTSC approved the final PEA and Errata Sheets with a further action require determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/26/2009
Comments: DTSC approved the Removal Action Workplan for excavation and proper disposal of approximately 760 cubic yards of pesticide impacted soils.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/09/2009
Comments: Fact Sheet has been finalized and translated into Spanish.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MARTIN ST/ROAD 26 HIGH SCHOOL (Continued)

S108054473

Completed Document Type: Community Profile
Completed Date: 02/09/2009
Comments: Community Profile Report has been finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/15/2006
Comments: DTSC Approved the Phase I with a Preliminary Environmental Assessment (PEA) required determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/08/2007
Comments: DTSC approved the PEA Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/06/2007
Comments: DTSC reviewed and approved the PEA Tech Memo for step-out sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/25/2009
Comments: DTSC approved the NOE with no changes following close of a 30-day public review and comment period on the Draft RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 04/08/2010
Comments: Cert Package approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/13/2010
Comments: CRU Memo approved by Team Leader and sent to distribution list.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: NEW MARTIN ST/ROAD 26 HIGH SCHOOL
Address: MARTIN STREET/ROAD 26
City,State,Zip: MADERA, CA 93638

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MARTIN ST/ROAD 26 HIGH SCHOOL (Continued)

S108054473

Facility ID: 60000302
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 57
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jose Luevano
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Site Code: 104539
Assembly: 27
Senate: 14
Special Program Status: Not reported
Status: Certified
Status Date: 04/13/2010
Restricted Use: NO
Funding: School District
Latitude: 36.98989
Longitude: -120.0719
APN: 038-010-018, 038-010-019, 038-010-020, 038-010-021, 038-010-029,
038-010-030, 038-010-031, 038-010-032, 038-010-033
Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC: Arsenic, Arsenic, Benzene, Chlordane, DDD, DDE, DDT, Lead,
TPH-diesel, TPH-gas, TPH-MOTOR OIL, Cadmium and compounds, Dieldrin
Confirmed COC: 30001-NO, 30003-NO, 30004-NO, 30013-NO, 30006-NO, 30007-NO,
30008-NO, No Contaminants found, 30024-NO, 30025-NO, 30108-NO,
30207-NO, 3002502-NO
Potential Description: SOIL
Alias Name: 038-010-018
Alias Type: APN
Alias Name: 038-010-019
Alias Type: APN
Alias Name: 038-010-020
Alias Type: APN
Alias Name: 038-010-021
Alias Type: APN
Alias Name: 038-010-029
Alias Type: APN
Alias Name: 038-010-030
Alias Type: APN
Alias Name: 038-010-031
Alias Type: APN
Alias Name: 038-010-032
Alias Type: APN
Alias Name: 038-010-033
Alias Type: APN
Alias Name: 104539
Alias Type: Project Code (Site Code)
Alias Name: 60000302
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MARTIN ST/ROAD 26 HIGH SCHOOL (Continued)

S108054473

Completed Date: 04/08/2010
Comments: DTSC approved the RACR with a no further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/22/2008
Comments: Rec'd executed Agreement from Sharon. Sending overnight to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/09/2009
Comments: DTSC provided field oversight of RAW implementation activities. Field change request made regarding confirmation sample location and sub-floor sampling of residence on the Lopez property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 08/08/2006
Comments: sent fully executed agreement to district

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/07/2008
Comments: DTSC approved the final PEA and Errata Sheets with a further action require determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/26/2009
Comments: DTSC approved the Removal Action Workplan for excavation and proper disposal of approximately 760 cubic yards of pesticide impacted soils.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/09/2009
Comments: Fact Sheet has been finalized and translated into Spanish.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/09/2009
Comments: Community Profile Report has been finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/15/2006
Comments: DTSC Approved the Phase I with a Preliminary Environmental Assessment (PEA) required determination.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MARTIN ST/ROAD 26 HIGH SCHOOL (Continued)

S108054473

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/08/2007
Comments: DTSC approved the PEA Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/06/2007
Comments: DTSC reviewed and approved the PEA Tech Memo for step-out sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/25/2009
Comments: DTSC approved the NOE with no changes following close of a 30-day public review and comment period on the Draft RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 04/08/2010
Comments: Cert Package approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/13/2010
Comments: CRU Memo approved by Team Leader and sent to distribution list.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MADERA	S101481107	LEON'S PLACE AND FIX IT	EAST OF NORTH GATEWAY DR/HIGHW	93637	ENVIROSTOR
MADERA	S100185578	LOT SOUTH OF VALLEY WHOLESALE BLDG	SOUTH OF EAST CENTRAL BETWEEN	93637	ENVIROSTOR
MADERA	S100181547	LANDFILL #1	RAYMOND ROAD OFF OF CLEVELAND	93637	ENVIROSTOR
MADERA	S128634360	PROPOSED MADERA SCHOOL SITE	SOUTH SIDE OF CLEVELAND AVENUE	93637	ENVIROSTOR, SCH

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: N/A
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 09/01/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/09/2023
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: N/A
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 09/01/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/09/2023
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2023
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 09/20/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/26/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: 800-424-9346
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 09/01/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/23/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/24/2023	Source: EPA
Date Data Arrived at EDR: 07/31/2023	Telephone: 800-424-9346
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/25/2023	Source: Department of the Navy
Date Data Arrived at EDR: 05/31/2023	Telephone: 843-820-7326
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/20/2023
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/22/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2023	Telephone: 703-603-0695
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/21/2023
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/22/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2023	Telephone: 703-603-0695
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/21/2023
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/12/2023

Date Data Arrived at EDR: 06/20/2023

Date Made Active in Reports: 08/14/2023

Number of Days to Update: 55

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 09/20/2023

Next Scheduled EDR Contact: 01/01/2024

Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/24/2023

Date Data Arrived at EDR: 04/25/2023

Date Made Active in Reports: 07/13/2023

Number of Days to Update: 79

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/25/2023

Next Scheduled EDR Contact: 11/06/2023

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 04/24/2023

Date Data Arrived at EDR: 04/25/2023

Date Made Active in Reports: 07/13/2023

Number of Days to Update: 79

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/25/2023

Next Scheduled EDR Contact: 11/06/2023

Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/08/2023

Date Data Arrived at EDR: 05/08/2023

Date Made Active in Reports: 07/31/2023

Number of Days to Update: 84

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 08/08/2023

Next Scheduled EDR Contact: 11/20/2023

Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 06/05/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/05/2023	Telephone: see region list
Date Made Active in Reports: 08/28/2023	Last EDR Contact: 09/06/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 12/18/2023
	Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-6597
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/20/2023	Source: EPA Region 10
Date Data Arrived at EDR: 05/09/2023	Telephone: 206-553-2857
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2023	Source: EPA, Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-7439
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/19/2023	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2023	Telephone: 303-312-6271
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-8677
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 05/09/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/20/2023	Source: EPA Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/19/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/09/2023	Telephone: 415-972-3372
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/05/2023	Telephone: 866-480-1028
Date Made Active in Reports: 08/28/2023	Last EDR Contact: 09/06/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 12/18/2023
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 05/31/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/07/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-9424
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/20/2023	Source: EPA, Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2023	Source: EPA Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-6136
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-7591
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2023	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2023	Telephone: 303-312-6137
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/24/2023	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/25/2023	Telephone: 916-323-3400
Date Made Active in Reports: 07/13/2023	Last EDR Contact: 07/25/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/12/2023
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/14/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/14/2023	Telephone: 916-323-7905
Date Made Active in Reports: 09/06/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 04/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/13/2023	Telephone: 202-566-2777
Date Made Active in Reports: 04/19/2023	Last EDR Contact: 08/30/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/25/2023
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 07/19/2023
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/02/2023	Source: Department of Conservation
Date Data Arrived at EDR: 06/02/2023	Telephone: 916-323-3836
Date Made Active in Reports: 08/23/2023	Last EDR Contact: 09/06/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/18/2023
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 11/22/2022	Telephone: 916-341-6422
Date Made Active in Reports: 02/13/2023	Last EDR Contact: 08/29/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/20/2023
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 07/19/2023
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/11/2023
Number of Days to Update: 137	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/27/2023
Number of Days to Update: 176	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/22/2023	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 05/23/2023	Telephone: 202-307-1000
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 08/21/2023
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/24/2023	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/25/2023	Telephone: 916-323-3400
Date Made Active in Reports: 07/13/2023	Last EDR Contact: 07/25/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/30/2022	Telephone: 916-255-6504
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 09/15/2023
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/17/2023	Source: CalEPA
Date Data Arrived at EDR: 04/18/2023	Telephone: 916-323-2514
Date Made Active in Reports: 07/11/2023	Last EDR Contact: 07/18/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/22/2023	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 05/23/2023	Telephone: 202-307-1000
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 08/21/2023
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/28/2023	Source: San Francisco County Department of Public Health
Date Data Arrived at EDR: 04/28/2023	Telephone: 415-252-3896
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/26/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/06/2023
Date Data Arrived at EDR: 06/07/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 81

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/19/2023	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/23/2023	Telephone: 202-366-4555
Date Made Active in Reports: 09/20/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/15/2023	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/28/2023	Telephone: 916-845-8400
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/18/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/05/2023	Telephone: 866-480-1028
Date Made Active in Reports: 08/25/2023	Last EDR Contact: 09/06/2023
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/18/2023
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/05/2023	Telephone: 866-480-1028
Date Made Active in Reports: 08/25/2023	Last EDR Contact: 09/06/2023
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/18/2023
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/01/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/19/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 07/31/2023
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 08/03/2023
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020	Source: EPA
Date Data Arrived at EDR: 06/14/2022	Telephone: 202-260-5521
Date Made Active in Reports: 03/24/2023	Last EDR Contact: 09/15/2023
Number of Days to Update: 283	Next Scheduled EDR Contact: 12/25/2023
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021	Source: EPA
Date Data Arrived at EDR: 02/16/2023	Telephone: 202-566-0250
Date Made Active in Reports: 05/02/2023	Last EDR Contact: 08/18/2023
Number of Days to Update: 75	Next Scheduled EDR Contact: 11/27/2023
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/17/2023	Source: EPA
Date Data Arrived at EDR: 04/18/2023	Telephone: 202-564-4203
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 07/18/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/09/2023
Date Data Arrived at EDR: 06/29/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 09/26/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 09/27/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/20/2023	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/01/2023	Telephone: 301-415-0717
Date Made Active in Reports: 09/20/2023	Last EDR Contact: 07/12/2023
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021	Source: Department of Energy
Date Data Arrived at EDR: 04/14/2023	Telephone: 202-586-8719
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 09/01/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 12/11/2023
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/28/2023
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/11/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/03/2023
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/22/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/08/2024
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/28/2020	Telephone: 202-366-4595
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 07/25/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/10/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2023
Date Data Arrived at EDR: 05/24/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/24/2023
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/13/2023	Source: Department of Interior
Date Data Arrived at EDR: 06/14/2023	Telephone: 202-208-2609
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/12/2023
Number of Days to Update: 61	Next Scheduled EDR Contact: 12/18/2023
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/04/2023	Source: EPA
Date Data Arrived at EDR: 05/25/2023	Telephone: (415) 947-8000
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 09/28/2023
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/11/2023
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021	Source: Department of Defense
Date Data Arrived at EDR: 10/20/2022	Telephone: 703-704-1564
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 07/06/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/23/2023
	Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/15/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/24/2023
Date Data Arrived at EDR: 06/29/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 54

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020	Source: Department of Health & Human Services
Date Data Arrived at EDR: 03/17/2021	Telephone: 202-741-5770
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 07/19/2023
Number of Days to Update: 601	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/30/2023	Telephone: 202-272-0167
Date Made Active in Reports: 05/02/2023	Last EDR Contact: 07/05/2023
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less 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. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 03/30/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/30/2023	Telephone: 202-272-0167
Date Made Active in Reports: 04/07/2023	Last EDR Contact: 07/05/2023
Number of Days to Update: 8	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 202-272-0167
Date Made Active in Reports: 09/25/2023	Last EDR Contact: 07/05/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 06/14/2023
Date Data Arrived at EDR: 06/14/2023
Date Made Active in Reports: 09/06/2023
Number of Days to Update: 84

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/10/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/03/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 83

Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/17/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019	Source: Tehama County Air Pollution Control District
Date Data Arrived at EDR: 04/24/2019	Telephone: 530-527-3717
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1468	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 04/23/2019	Source: San Luis Obispo County Air Pollution Control District
Date Data Arrived at EDR: 04/25/2019	Telephone: 805-781-5756
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 07/25/2023
Number of Days to Update: 1467	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019	Source: Santa Barbara County Air Pollution Control District
Date Data Arrived at EDR: 04/17/2019	Telephone: 805-961-8867
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1475	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Northern Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 04/17/2019	Source: Santa Barbara County Air Pollution Control District
Date Data Arrived at EDR: 04/17/2019	Telephone: 707-433-5911
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1475	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019	Source: Northern Sierra Air Quality Management District
Date Data Arrived at EDR: 05/07/2019	Telephone: 530-274-9350
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1455	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016	Source: North Coast Unified Air Quality Management District
Date Data Arrived at EDR: 04/19/2019	Telephone: 707-443-3093
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1473	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019	Source: Lake County Air Quality Management District
Date Data Arrived at EDR: 05/07/2019	Telephone: 707-263-7000
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 05/11/2023
Number of Days to Update: 1455	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN GRANT: Grant Recipients List

Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2020	Source: California Air Resources Board
Date Data Arrived at EDR: 02/04/2021	Telephone: 916-323-0006
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 07/24/2023
Number of Days to Update: 816	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019	Source: Calaveras County Environmental Management Agency
Date Data Arrived at EDR: 06/19/2019	Telephone: 209-754-6399
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/24/2023
Number of Days to Update: 1412	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management District Drycleaner Facility Listing

Butte County Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 12/31/2018	Source: Butte County Air Quality Management District
Date Data Arrived at EDR: 04/23/2019	Telephone: 530-332-9400
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 07/13/2023
Number of Days to Update: 1469	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing

Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019	Source: Bay Area Air Quality Management District
Date Data Arrived at EDR: 05/30/2019	Telephone: 415-516-1916
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 07/25/2023
Number of Days to Update: 1432	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 04/25/2023	Source: Yolo-Solano Air Quality Management District
Date Data Arrived at EDR: 04/27/2023	Telephone: 530-757-3650
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/22/2023	Source: Antelope Valley Air Quality Management District
Date Data Arrived at EDR: 05/24/2023	Telephone: 661-723-8070
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 08/22/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/11/2023
	Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023	Source: Placer County Air Quality Management District
Date Data Arrived at EDR: 05/17/2023	Telephone: 530-745-2335
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 05/11/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/26/2023	Source: Shasta County Air Quality Management District
Date Data Arrived at EDR: 04/27/2023	Telephone: 530-225-5674
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/25/2023	Source: Monterey Bay Air Quality Management District
Date Data Arrived at EDR: 04/26/2023	Telephone: 831-647-9411
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/26/2023	Source: Mojave Desert Air Quality Management District
Date Data Arrived at EDR: 04/27/2023	Telephone: 760-245-1661
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 04/27/2023	Source: Mendocino County Air Quality Management District
Date Data Arrived at EDR: 04/28/2023	Telephone: 707-463-4354
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 04/25/2023	Source: Imperial County Air Pollution Control District
Date Data Arrived at EDR: 04/26/2023	Telephone: 442-265-1800
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023	Source: Eastern Kern Air Pollution Control District
Date Data Arrived at EDR: 04/26/2023	Telephone: 661-862-9684
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/24/2023	Source: San Joaquin Valley Air Pollution Control District
Date Data Arrived at EDR: 05/30/2023	Telephone: 559-230-6001
Date Made Active in Reports: 08/21/2023	Last EDR Contact: 05/11/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 02/01/2019	Source: San Diego County Air Pollution Control District
Date Data Arrived at EDR: 05/01/2019	Telephone: 858-586-2616
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 08/08/2023
Number of Days to Update: 1461	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 04/25/2023	Source: Sacramento Metropolitan Air Quality Management District
Date Data Arrived at EDR: 04/28/2023	Telephone: 916-874-3958
Date Made Active in Reports: 07/19/2023	Last EDR Contact: 08/15/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023	Source: Feather River Air Quality Management District
Date Data Arrived at EDR: 03/09/2023	Telephone: 530-634-7659
Date Made Active in Reports: 06/05/2023	Last EDR Contact: 06/08/2023
Number of Days to Update: 88	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/01/2021	Telephone: 916-327-4498
Date Made Active in Reports: 11/19/2021	Last EDR Contact: 08/22/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/11/2023
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2021	Source: California Air Resources Board
Date Data Arrived at EDR: 06/09/2023	Telephone: 916-322-2990
Date Made Active in Reports: 08/30/2023	Last EDR Contact: 09/15/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/25/2023
	Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/17/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/18/2023	Telephone: 916-445-9379
Date Made Active in Reports: 07/06/2023	Last EDR Contact: 07/18/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/13/2023
Date Data Arrived at EDR: 09/14/2023
Date Made Active in Reports: 09/21/2023
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 09/13/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 08/14/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/14/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 06/29/2023
Date Data Arrived at EDR: 06/29/2023
Date Made Active in Reports: 09/19/2023
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/06/2023
Date Data Arrived at EDR: 06/07/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/07/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing

Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities. The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/12/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

CHROME PLATING: Chrome Plating Facilities Listing

This listing represents chrome plating facilities the California State Water Resources Control Board staff identified as possibly being a source of Per- and polyfluoroalkyl substance (PFAS) contamination. Sites and locations were identified by staff with the Division of Water Quality in the California State Water Board. Data was collected from the CA Air Resources Board 2013 and 2018 - Cr VI emission survey, CA Emission Inventory, CA HAZ Waste discharge database and by reviewing storm water permits. Former chrome plating sites are also included that are open site investigation or remediation cases with the Regional Water Quality Control Boards and the Department of Toxic Substances Control.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 110

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/13/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/16/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/11/2019	Telephone: 510-567-6700
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 09/27/2023
Number of Days to Update: 53	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/27/2023	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 06/28/2023	Telephone: 510-567-6700
Date Made Active in Reports: 09/14/2023	Last EDR Contact: 09/27/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 04/27/2023	Source: Amador County Environmental Health
Date Data Arrived at EDR: 04/27/2023	Telephone: 209-223-6439
Date Made Active in Reports: 07/13/2023	Last EDR Contact: 07/26/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Varies

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/27/2023
Date Data Arrived at EDR: 06/28/2023
Date Made Active in Reports: 09/14/2023
Number of Days to Update: 78

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/12/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/10/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 82

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 07/12/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 76

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 13

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/03/2023
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/31/2023
Number of Days to Update: 34

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/07/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 06/21/2023
Date Data Arrived at EDR: 06/28/2023
Date Made Active in Reports: 09/14/2023
Number of Days to Update: 78

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/10/2023
Date Data Arrived at EDR: 07/10/2023
Date Made Active in Reports: 09/27/2023
Number of Days to Update: 79

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/19/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/13/2023	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 07/13/2023	Telephone: 626-458-6973
Date Made Active in Reports: 09/27/2023	Last EDR Contact: 07/13/2023
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/23/2023
	Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/20/2023	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/22/2023	Telephone: 213-978-3800
Date Made Active in Reports: 08/09/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/20/2023	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/22/2023	Telephone: 213-978-3800
Date Made Active in Reports: 09/12/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/02/2023	Source: Community Health Services
Date Data Arrived at EDR: 04/18/2023	Telephone: 323-890-7806
Date Made Active in Reports: 07/07/2023	Last EDR Contact: 07/20/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 07/05/2023
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/23/2023
	Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 07/11/2023
Number of Days to Update: 65	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 05/02/2023	Telephone: 310-618-2973
Date Made Active in Reports: 06/13/2023	Last EDR Contact: 07/11/2023
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 08/09/2023
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/27/2023
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 09/21/2023
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/08/2024
	Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021	Source: Department of Public Health
Date Data Arrived at EDR: 11/18/2021	Telephone: 707-463-4466
Date Made Active in Reports: 11/22/2021	Last EDR Contact: 08/15/2023
Number of Days to Update: 4	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022	Source: Merced County Environmental Health
Date Data Arrived at EDR: 02/17/2022	Telephone: 209-381-1094
Date Made Active in Reports: 05/11/2022	Last EDR Contact: 07/25/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/27/2023
	Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/21/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/05/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 81

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/01/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/10/2023
Date Data Arrived at EDR: 07/11/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/10/2023
Date Data Arrived at EDR: 07/11/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/25/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/25/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/09/2023
Date Data Arrived at EDR: 05/10/2023
Date Made Active in Reports: 08/01/2023
Number of Days to Update: 83

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/04/2023
Date Data Arrived at EDR: 04/05/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

SAN FRANCISCO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing

a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 04/11/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 07/11/2023
Number of Days to Update: 89

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/07/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/08/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SHASTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/12/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/12/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

SUTTER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 09/12/2023
Number of Days to Update: 19

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 05/11/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 07/12/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/27/2023	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 04/25/2023	Telephone: 805-654-2813
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 09/21/2023
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/08/2024
	Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 08/02/2023
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2023
	Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/27/2023	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/21/2023	Telephone: 805-654-2813
Date Made Active in Reports: 07/07/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2023	Source: Environmental Health Division
Date Data Arrived at EDR: 06/02/2023	Telephone: 805-654-2813
Date Made Active in Reports: 06/14/2023	Last EDR Contact: 09/06/2023
Number of Days to Update: 12	Next Scheduled EDR Contact: 12/18/2023
	Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/03/2023	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/18/2023	Telephone: 530-666-8646
Date Made Active in Reports: 06/13/2023	Last EDR Contact: 09/21/2023
Number of Days to Update: 56	Next Scheduled EDR Contact: 01/08/2024
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/27/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/30/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PROPOSED RESIDENTIAL PROPERTY
16227 NORTH D STREET
MADERA, CA 93638

TARGET PROPERTY COORDINATES

Latitude (North):	36.984177 - 36° 59' 3.04"
Longitude (West):	120.062142 - 120° 3' 43.71"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	761491.5
UTM Y (Meters):	4096949.0
Elevation:	282 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12002696 MADERA, CA
Version Date:	2018
North Map:	12007903 KISMET, CA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

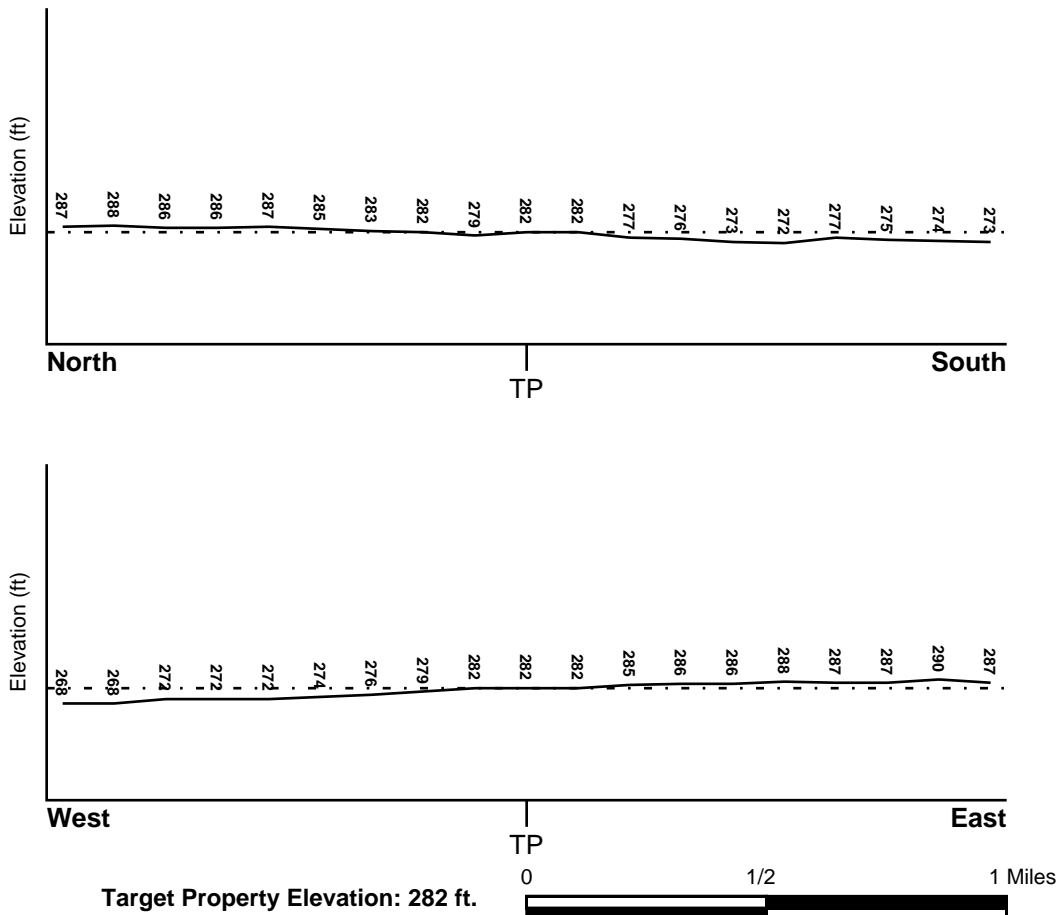
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06039C1160E	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06039C1155E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
MADERA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

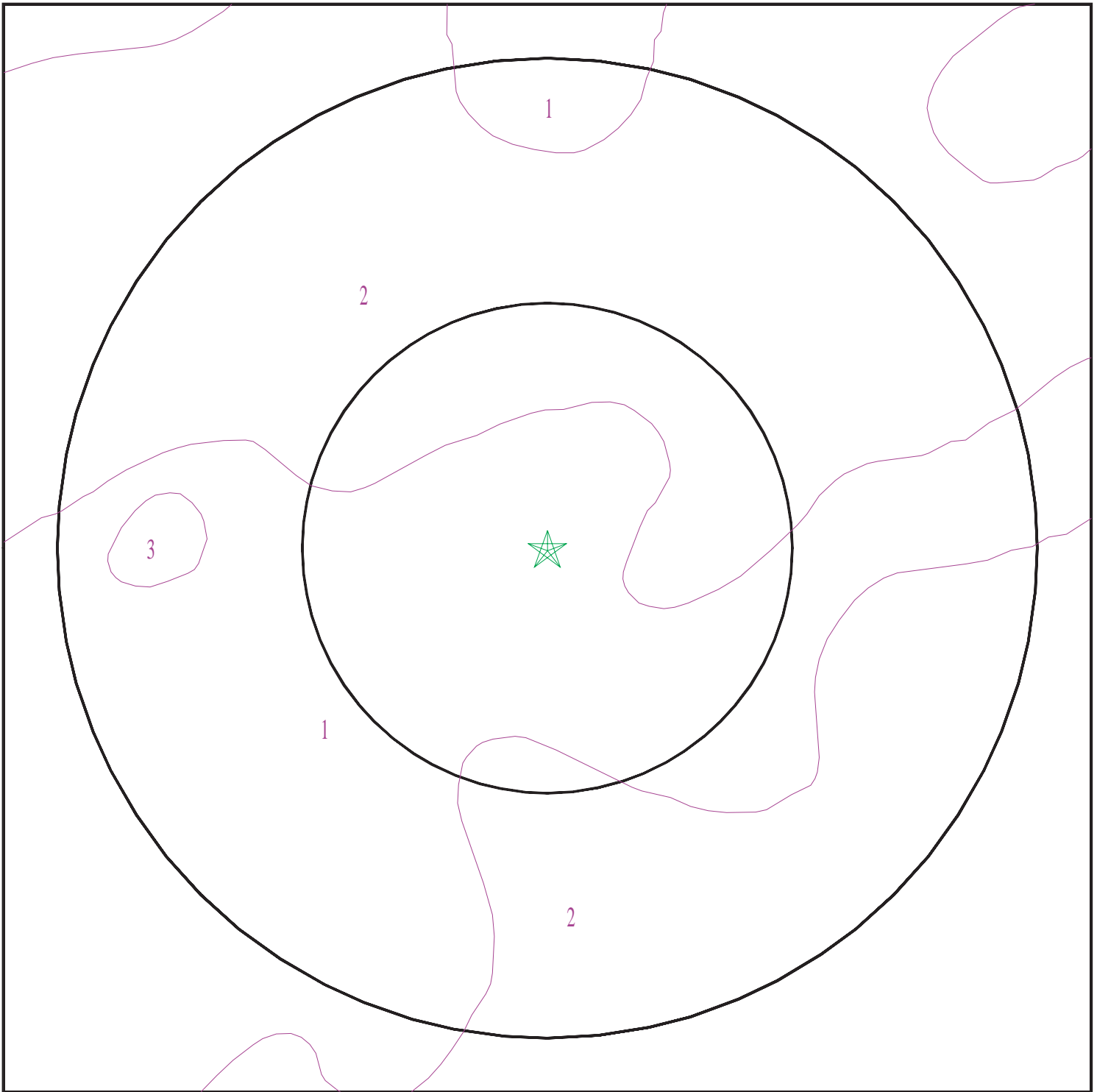
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7458469.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Proposed Residential Property
ADDRESS: 16227 North D Street
Madera CA 93638
LAT/LONG: 36.984177 / 120.062142

CLIENT: Krazan & Associates, Inc.
CONTACT: William Vick
INQUIRY #: 7458469.2s
DATE: September 29, 2023 6:50 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: San Joaquin

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
2	11 inches	18 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1
3	18 inches	22 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	22 inches	59 inches	stratified sandy loam to loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.1

Soil Map ID: 2

Soil Component Name: Cometa

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6
2	16 inches	27 inches	sandy clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	27 inches	59 inches	stratified sandy loam to sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 6.6

Soil Map ID: 3

Soil Component Name: Alamo

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
2	11 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	22 inches	29 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
6	USGS40000180091	1/2 - 1 Mile South
A7	USGS40000180203	1/2 - 1 Mile ENE
B8	USGS40000180246	1/2 - 1 Mile NW
B10	USGS40000180244	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

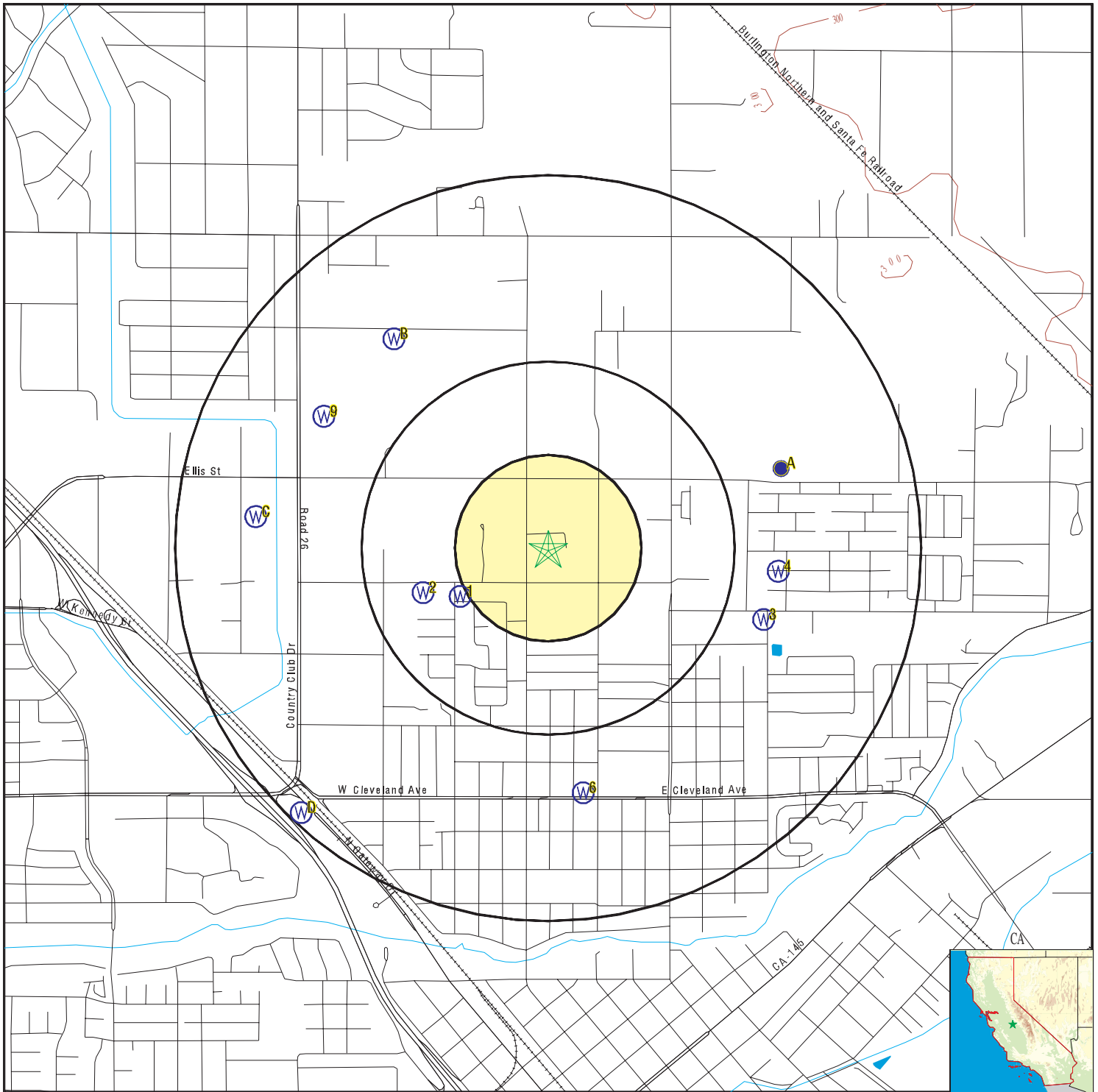
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CADDW0000020129	1/4 - 1/2 Mile WSW
2	10651	1/4 - 1/2 Mile WSW
3	CADDW0000017534	1/2 - 1 Mile ESE
4	10674	1/2 - 1 Mile East
A5	CADWR9000032667	1/2 - 1 Mile ENE
9	CADWR9000032686	1/2 - 1 Mile WNW
C11	CAUSGSN00006237	1/2 - 1 Mile West
C12	CAUSGS000002875	1/2 - 1 Mile West
D13	10655	1/2 - 1 Mile SW
D14	CADDW0000007017	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 7458469.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Proposed Residential Property
 ADDRESS: 16227 North D Street
 Madera CA 93638
 LAT/LONG: 36.984177 / 120.062142

CLIENT: Krazan & Associates, Inc.
 CONTACT: William Vick
 INQUIRY #: 7458469.2s
 DATE: September 29, 2023 6:50 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CADDW0000020129

Well ID:	2010002-019	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 23 - RAW	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=2010002-019&store_num=		
GeoTracker Data:	Not Reported		

2
WSW
1/4 - 1/2 Mile
Lower

CA WELLS 10651

Seq:	10651	Prim sta c:	11S/17E-12P01 M
Frds no:	2010002019	County:	20
District:	11	User id:	AGE
System no:	2010002	Water type:	G
Source nam:	WELL 23	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	365857.0	Longitude:	1200402.0
Precision:	2	Status:	AU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	2010002	System nam:	City Of Madera
Hqname:	Not Reported	Address:	205 W. 4TH STREET
City:	MADERA	State:	Not Reported
Zip:	93637	Zip ext:	Not Reported
Pop serv:	31740	Connection:	7810
Area serve:	MADERA AND SURROUNDING AREA		

Sample date:	16-NOV-17	Finding:	73.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		

Sample date:	16-NOV-17	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		

Sample date:	16-NOV-17	Finding:	1.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	16-NOV-17	Finding:	57.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		

Sample date:	16-NOV-17	Finding:	15.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		

Sample date:	16-NOV-17	Finding:	4.8
Chemical:	MAGNESIUM	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	16-NOV-17	Finding:	24.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	16-NOV-17	Finding:	2.2
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	16-NOV-17	Finding:	1.1
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-NOV-17	Finding:	19.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	16-NOV-17	Finding:	4.2
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	16-NOV-17	Finding:	0.15
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	16-NOV-17	Finding:	3.
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	16-NOV-17	Finding:	190.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	16-NOV-17	Finding:	0.17
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	16-NOV-17	Finding:	0.19
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	16-NOV-17	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	16-NOV-17	Finding:	230.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	16-NOV-17	Finding:	89.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	10-NOV-16	Finding:	0.65
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-FEB-16	Finding:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	18-FEB-16	Finding:	190.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	18-FEB-16	Finding:	5.8
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	18-FEB-16	Finding:	0.15
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	18-FEB-16	Finding:	3.3
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	18-FEB-16	Finding:	20.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	18-FEB-16	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	18-FEB-16	Finding:	4.7
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	18-FEB-16	Finding:	14.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	18-FEB-16	Finding:	54.
Chemical:	HARDNESS (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	18-FEB-16	Finding:	0.84
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-FEB-16	Finding:	110.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	18-FEB-16	Finding:	92.
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	18-FEB-16	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	18-FEB-16	Finding:	270.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	18-FEB-16	Finding:	35.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	19-NOV-15	Finding:	1.4
Chemical:	NITRATE (AS N)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.4		
Sample date:	19-FEB-15	Finding:	190.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	19-FEB-15	Finding:	1.3
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	19-FEB-15	Finding:	6.4
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	19-FEB-15	Finding:	0.14
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	19-FEB-15	Finding:	3.4
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	19-FEB-15	Finding:	20.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	19-FEB-15	Finding:	2.3
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	19-FEB-15	Finding:	37.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	19-FEB-15	Finding:	4.3
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	19-FEB-15	Finding:	13.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	19-FEB-15	Finding:	51.
Chemical:	HARDNESS (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	19-FEB-15	Finding:	130.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	19-FEB-15	Finding:	100.
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	19-FEB-15	Finding:	7.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	19-FEB-15	Finding:	270.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	19-FEB-15	Finding:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	19-FEB-15	Finding:	3.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	20-NOV-14	Finding:	230.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	20-NOV-14	Finding:	7.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	20-NOV-14	Finding:	81.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	20-NOV-14	Finding:	99.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	20-NOV-14	Finding:	53.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	20-NOV-14	Finding:	14.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-NOV-14	Finding:	4.5
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-NOV-14	Finding:	31.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-NOV-14	Finding:	2.3
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-NOV-14	Finding:	19.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	20-NOV-14	Finding:	3.8
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	20-NOV-14	Finding:	0.14
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	20-NOV-14	Finding:	4.
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	20-NOV-14	Finding:	200.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	20-NOV-14	Finding:	4.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	20-NOV-14	Finding:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	28-FEB-14	Finding:	3.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	28-FEB-14	Finding:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	28-FEB-14	Finding:	8.2
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	28-FEB-14	Finding:	0.14
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	28-FEB-14	Finding:	3.6
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	28-FEB-14	Finding:	19.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	28-FEB-14	Finding:	2.3
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	28-FEB-14	Finding:	37.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	28-FEB-14	Finding:	4.3
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	28-FEB-14	Finding:	13.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	28-FEB-14	Finding:	51.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	28-FEB-14	Finding:	0.7
Chemical:	PHOSPHATE (AS PO4)	Report units:	UG/L
Dir:	0.		
Sample date:	28-FEB-14	Finding:	120.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	28-FEB-14	Finding:	98.
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	28-FEB-14	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	28-FEB-14	Finding:	250.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	28-FEB-14	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	21-NOV-13	Finding:	3.8
Chemical:	NITRATE (AS NO ₃)	Report units:	MG/L
Dir:	2.		
Sample date:	20-JUN-13	Finding:	6.2
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	10-DEC-12	Finding:	6.3
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	10-DEC-12	Finding:	5.
Chemical:	NITRATE (AS NO ₃)	Report units:	MG/L
Dir:	2.		
Sample date:	14-SEP-12	Finding:	9.2
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	29-MAY-12	Finding:	2.5
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	06-MAR-12	Finding:	180.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	0.11
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	9.4
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	06-MAR-12	Finding:	0.19
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	06-MAR-12	Finding:	3.9
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	06-MAR-12	Finding:	18.
Chemical:	CHLORIDE	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	06-MAR-12	Finding:	28.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	4.3
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	13.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	51.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	96.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	79.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	06-MAR-12	Finding:	210.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	06-MAR-12	Finding:	4.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-MAR-12	Finding:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	06-MAR-12	Finding:	0.77
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	26-JAN-12	Finding:	230.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		

3
ESE
1/2 - 1 Mile
Lower

CA WELLS CADDW0000017534

Well ID:	2010002-012	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 16 - RAW INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=2010002-012&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4
East
1/2 - 1 Mile
Higher

CA WELLS 10674

Seq:	10674	Prim sta c:	11S/18E-18F01 M
Frds no:	2010002012	County:	20
District:	11	User id:	AGE
System no:	2010002	Water type:	G
Source nam:	WELL 16	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	365900.0	Longitude:	1200300.0
Precision:	8	Status:	AU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	2010002	System nam:	City Of Madera
Hqname:	Not Reported	Address:	205 W. 4TH STREET
City:	MADERA	State:	Not Reported
Zip:	93637	Zip ext:	Not Reported
Pop serv:	31740	Connection:	7810
Area serve:	MADERA AND SURROUNDING AREA		

A5
ENE
1/2 - 1 Mile
Higher

CA WELLS CADWR9000032667

State Well #:	11S18E07L001M	Station ID:	36213
Well Name:	Not Reported	Basin Name:	Madera
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

6
South
1/2 - 1 Mile
Lower

FED USGS USGS40000180091

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18040001
Monitor Location:	011S017E13H001M	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported		
Contrib Drainage Area:	Not Reported		
Aquifer:	Central Valley aquifer system	Aquifer Type:	Not Reported
Formation Type:	Not Reported	Well Depth:	145
Construction Date:	19460101	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A7
ENE
1/2 - 1 Mile
Higher

FED USGS USGS40000180203

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011S018E07L001M	Type:	Well
Description:	Not Reported	HUC:	18040001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	128
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1965-04-01
Feet below surface:	72.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B8
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000180246

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011S017E12F001M	Type:	Well
Description:	Not Reported	HUC:	18040001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19610101	Well Depth:	165
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

9
WNW
1/2 - 1 Mile
Lower

CA WELLS CADWR9000032686

State Well #:	11S17E12E001M	Station ID:	18377
Well Name:	Not Reported	Basin Name:	Madera
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B10
NW
1/2 - 1 Mile
Higher

FED USGS USGS40000180244

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18040001
Monitor Location:	011S017E12E001M	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Aquifer Type:	Not Reported
Contrib Drainage Area:	Not Reported	Well Depth:	135
Aquifer:	Central Valley aquifer system	Well Hole Depth:	Not Reported
Formation Type:	Not Reported		
Construction Date:	19630101		
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

C11
West
1/2 - 1 Mile
Lower

CA WELLS CAUSGSN00006237

Well ID:	USGS-365900120040001	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-365900120040001	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&amp_date=&global_id=&assigned_name=USGS-365900120040001&store_num=		
GeoTracker Data:	Not Reported		

C12
West
1/2 - 1 Mile
Lower

CA WELLS CAUSGS000002875

D13
SW
1/2 - 1 Mile
Lower

CA WELLS 10655

Seq:	10655	Prim sta c:	11S/17E-14J01 M
Frds no:	2010002016	County:	20
District:	11	User id:	AGE
System no:	2010002	Water type:	G
Source nam:	WELL 20	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	365828.0	Longitude:	1200423.0
Precision:	5	Status:	AU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	2010002	System nam:	City Of Madera
Hqname:	Not Reported	Address:	205 W. 4TH STREET
City:	MADERA	State:	Not Reported
Zip:	93637	Zip ext:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pop serv:	31740	Connection:	7810
Area serve:	MADERA AND SURROUNDING AREA		
Sample date:	21-MAY-15	Finding:	8.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	29-MAY-14	Finding:	24.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	29-MAY-14	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	29-MAY-14	Finding:	8.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	29-MAY-14	Finding:	210.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	29-MAY-14	Finding:	280.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	29-MAY-14	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	29-MAY-14	Finding:	110.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dir:	0.		
Sample date:	29-MAY-14	Finding:	130.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	29-MAY-14	Finding:	89.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dir:	0.		
Sample date:	29-MAY-14	Finding:	7.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	29-MAY-14	Finding:	23.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	29-MAY-14	Finding:	3.5
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	29-MAY-14	Finding:	19.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	29-MAY-14	Finding:	7.7
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	29-MAY-14	Finding:	0.11
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	20-JUN-13	Finding:	8.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	29-MAY-12	Finding:	7.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-MAR-12	Finding:	0.15
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	06-MAR-12	Finding:	0.77
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		

**D14
SW
1/2 - 1 Mile
Lower**

CA WELLS CADDW0000007017

Well ID:	2010002-016	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 20 - RAW	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=2010002-016&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93638	22	2

Federal EPA Radon Zone for MADERA County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93638

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is California's comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Health Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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