Environmental Assessment 24-10

Initial Study and Mitigated Negative Declaration for the proposed Brownstone Estates Subdivision consisting of General Plan Amendment 24-03, Rezoning PD_{19}, and Tentative Subdivision Map 24-04 . The proposal will redesignate the General Plan land use designation for approximately 7.84 acres from the Office and Office Park land use designation to a Medium Density Residential designation (reflective of the existing residential zoning), rezone the same property from a Single-Family Residential (R-1) Zone District to a Planned Development (PD) Zone District in order to adjust several R-1 development standards, and the subdivision proposes to subdivide the 7.84 acres into 54 single-family residential lots. The property is located on the north side of Colusa Frontage Road, between Hooper Road and El Margarita Road.

Prepared for:

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1. Introduction

1.1. Introduction

This Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared to identify any potential environmental impacts in the City of Yuba City, California (City) on a 7.84-acre property from the proposed Brownstone Estates Subdivision. The proposal consists of General Plan Amendment (GPA) 24-03, Rezoning (RZ) PD_{19} and Tentative Subdivision Map (TSM) 24-04 (collectively "Project").

GPA 24-03 proposes to amend the General Plan designation from the Office and Office Park land use designation that is currently applied to the property, to the Medium Density Residential (MDR) General Plan designation.

RZ PD_{19} proposes to rezone the property from the One-Family Residential (R-1) Zone District to the Planned Development Zone District. Although the existing R-1 zoning is typically appropriate for single-family residential development, the applicant is proposing several changes from the typical R-1 development standards, including lots as small as 3,500 square feet (vs. the 5,000 square foot minimum standard), shorter driveways (18.5 feet vs the 20-foot minimum standard), etc.

TSM 24-04 is a proposal to create a small lot subdivision. The proposal is to subdivide the same 7.84-acre property into 54 single-family residential lots, resulting in a residential density of approximately 6.9 residences per acre.

Property/Project history: This environmental assessment utilizes background information, previously prepared environmental assessments prepared for this same property. This includes EA 21-01 Henson Ranch which was a proposal to subdivide an approximately 18-acre portion of the original 25.14-acre property into 96 single-family residential lots and a remainder parcel. Those homes are currently under construction. This was followed by EA 22-05 to amend the General Plan and zoning for the remaining 7.84 acres. This was followed by EA 23-02 for an apartment complex on the 7.84 acres that was not approved by the City, which was followed by this proposal. These previously prepared documents are available from the Development Services Department.

The GPA/RZ/TSM is considered a project under the California Environmental Quality Act (CEQA), as the City has discretionary authority over the Project. The Project requires discretionary review and a recommendation by the City of Yuba City Planning Commission to the City Council and review by the City Council and a decision.

This IS/MND has been prepared in conformance with CEQA Guidelines Section 15070. The purpose of the IS/MND is to determine the potential significant impacts associated with the proposed single-family residential development and provide an environmental assessment for consideration by the Planning Commission and City Council. In addition, this document is intended to provide the basis for input from public agencies, organizations, and interested members of the public.

1.2. Regulatory Information

An Initial Study (IS) is an environmental assessment document prepared by a lead agency to determine if a project may have a significant effect on the environment. In accordance with the California Code of Regulations Title 14 (Chapter 3, §15000 et seq.), commonly referred to as the CEQA Guidelines - Section 15064(a)(1) states 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. A negative declaration 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. A negative declaration is a written statement describing the reasons why a proposed project, not exempt from CEQA pursuant to §15300 et seq. of Article 19 of the Guidelines, 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 negative declaration 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:

    a. Revisions in the project plans or proposals made by or agreed to by the applicant before the proposed negative declaration and initial study 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

    b. 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. If revisions are adopted by the Lead Agency into the proposed project in accordance with the CEQA Guidelines Section 15070(b), a Mitigated Negative Declaration (MND) is prepared.

1.3. Document Format

This IS/MND contains four chapters. Chapter 1, Introduction, provides an overview of the proposed Project and the CEQA environmental documentation process. Chapter 2, Project Description, provides a detailed description of proposed Project objectives and components. Chapter 3, Impact Analysis, presents the CEQA checklist and environmental analysis for all impact areas, mandatory findings of significance, and feasible measures. 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 impacts will be less than significant. 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 4, List of Preparers, provides a list of key personnel involved in the preparation of the IS/MND.

1.4. Purpose of Document

The proposed GPA/RZ/TSM will undergo a public review process by the Planning Commission that will result in a recommendation to the City Council followed by a decision, that, if approved, would result in the construction of 54 single-family residences as well as nearby street improvements. This public review process is needed to assure that the Project will be compatible with existing or expected neighboring uses and that adequate public facilities are available to serve the Project.

This document has been prepared to satisfy the California Environmental Quality Act (CEQA) (Pub. Res. Code, Section 21000 et seq.) and the State CEQA Guidelines (Title 14 CCR §15000 et seq.). CEQA requires that all state and local government agencies consider the environmental consequences of projects over which they have discretionary authority before acting on those projects.

The initial study is a public document used by the decision-making lead agency to determine whether a project may have a significant effect on the environment. If the lead agency finds substantial evidence that any aspect of a project, either individually or cumulatively, may have a significant effect on the environment, regardless of whether the overall effect of the project is adverse or beneficial, the lead agency is required to use a previously prepared EIR and supplement that EIR, or prepare a subsequent EIR to analyze at hand. If the agency finds no substantial evidence that the project or any of its aspects may cause a significant effect on the environment, a negative declaration shall be prepared. If in the course of the analysis, it is recognized that a project may have a significant impact on the environment, but that with specific recommended mitigation measures incorporated into the project, these impacts shall be reduced to less than significant, a mitigated negative declaration shall be prepared.

In reviewing all of the available information for the above referenced proposal, the City of Yuba City Planning Division has analyzed the potential environmental impacts created by this Project and a mitigated negative declaration has been prepared.

1.5. Intended Uses of this Document

In accordance with CEQA, a good-faith effort has been made during preparation of this IS/MND to contact affected public agencies, organizations, and persons who may have an interest in the proposed project. In reviewing the Draft IS/MND, affected and interested parties should focus on the sufficiency of the document in identifying and analyzing the possible impacts on the environment and ways in which the effects of the proposed Project would be avoided or mitigated.

The Draft IS/ND and associated appendices will be available for review on the City of Yuba City website at http://www.yubacity.net. The Draft IS/MND and associated appendixes also will be available for review during regular business hours at the City of Yuba City Development Services Department (1201 Civic Center Boulevard, Yuba City, California 95993). The 20-day review period will commence on October 25, 2024, and end on November 13, 2024 at the conclusion of the Planning Commission hearing.

Written comments on the Draft IS/MND should be sent to the following address:

City of Yuba City
Development Services Department
1201 Civic Center Boulevard
Yuba City, CA 95993
e-mail: developmentservices@yubacity.net
Phone: 530.822.4700

2. Project Description

2.1. Project Title

Brownstone Estates: General Plan Amendment (GPA) 24-03, Rezoning (RZ) PD_{19} and Tentative Subdivision Map (TSM) 24-04.

2.2. Lead Agency Name and Address

City of Yuba City
Development Services Department, Planning Division
1201 Civic Center Blvd.
Yuba City, CA 95993

2.3. Contact Person and Phone Number

Doug Libby, AICP
Deputy Director of Development Services
(530) 822-3231
developmentservices@yubacity.net

2.4. Project Location

The 7.84 acre site is located on the north side of North Colusa Frontage Road between Hooper Road and El Margarita Road. The Project includes Assessor's Parcel Numbers (APNs) 62-082-019, 62-082-020, 62-082-021.

2.5. Project Applicant

YC Hooper Ventures, LLC
4624 Duckhorn Drive
Sacramento, CA 95834

2.6. Property Owner

YC Hooper Ventures, LLC
4624 Duckhorn Drive
Sacramento, CA 95834

2.7. General Plan Designation

Existing: The Project is within the Office and Office Park (O) land use designation.

Proposed: Medium Density Residential (MDR) designation. The allowed residential density is 6 to 14 residences per acre.

2.8. Zoning

Existing: The Project is within the Single-Family Residential (R-1) Zone District.

Proposed: Planned Development (PD) Zone District.

2.9. Project Description

The proposed Brownstone Estates Subdivision consists of General Plan Amendment (GPA) 24-03, Rezoning (RZ) PD_{19} and Tentative Subdivision Map (TSM) 24-04 (collectively "Project") for a 7.84-acre property that currently consists of three vacant parcels.

GPA 24-03 proposes to amend the General Plan designation from the Office and Office Park land use designation that is currently applied to the property, to the Medium Density Residential (MDR) General Plan designation which primarily provides for single-family residential development at a density range of 6 to 14 residences per acre as well as other related secondary uses.

RZ PD_{19} proposes to rezone the property from the One-Family Residential (R-1) Zone District to the Planned Development (PD) Zone District. Although the existing R-1 zoning is typically appropriate for the proposed single-family residential development, the applicant is proposing several changes from the typical R-1 development standards to provide a somewhat higher density single-family residential than is typical of the R-1 zoning. More specifically, the proposed revisions to the development standards are:

Table 1: Proposed PD Development Standards*

Development Standard	Existing R-1 Zone District	Proposed PD Zone District	
		For lots less than 5,500 sq. ft.	For lots greater than 5,500 sq. ft.
Minimum Lot size: Interior lot Corner lot	 5,000 sq. ft. 6,000 sq. ft.	 3,400 sq. ft. 4,400 sq. ft.	 5,000 sq. ft. 5,500 sq. ft.
Minimum Lot width: Interior lots: Corner lots:	 50 ft. 50 ft.	 40ft. 44 ft.	 50 ft. 55 ft.
Minimum lot depth	None	75 ft	90 ft
Maximum percent lot coverage: One-story: Two-story	 45% 40%	 60 % 40 %	 45 % 40 %
Garage entrance setback	20 feet	18.5 ft.	18.5 ft.
Rear Yard	25 feet or 20%, whichever is less	10 ft.	15 ft.
Minimum Distance between buildings on same lot	None	3.5 ft. for single story. 5 ft for two story.	10 feet

*Any development standards not listed above remain the same as provided in the existing R-1 Zone District, as amended.

TSM 24-04 is a small-lot single-family residential subdivision made possible by the GPA and RZ. The proposal is to subdivide the 7.84-acre parcel into 54 single-family residential lots, with minimum lot sizes down to 3,400 square feet resulting in a residential density of approximately 6.9 residences per acre, including the 1.36 acre offer of right-of-way dedication for North Colusa Frontage Road.

The property has full City services available to it. Access to the new residences will be by a new local street connecting to El Margarita Road on the east and Hooper Road on the west. The residences will not have direct access to Colusa Frontage Road as the residences will back onto the Frontage Road and will be separated from the frontage road by a six-foot-high masonry wall. The property is currently vacant.

2.10. Surrounding Land Uses and Setting

Setting: The 7.84-acre property consists of three parcels that are flat and vacant. The property was recently cleared and graded as part of development of other portions of the property (addressed through a previously approved environmental document).

Table 2: Bordering Uses	
North:	A 96-lot single-family residence subdivision for which homes are currently is under construction.
South:	North Colusa Frontage Road and State Route 20 (Colusa Highway).
East:	Single-family residences across El Margarita Road.
West:	Single-family residences across Hooper Road.

Figure 1: Location Map

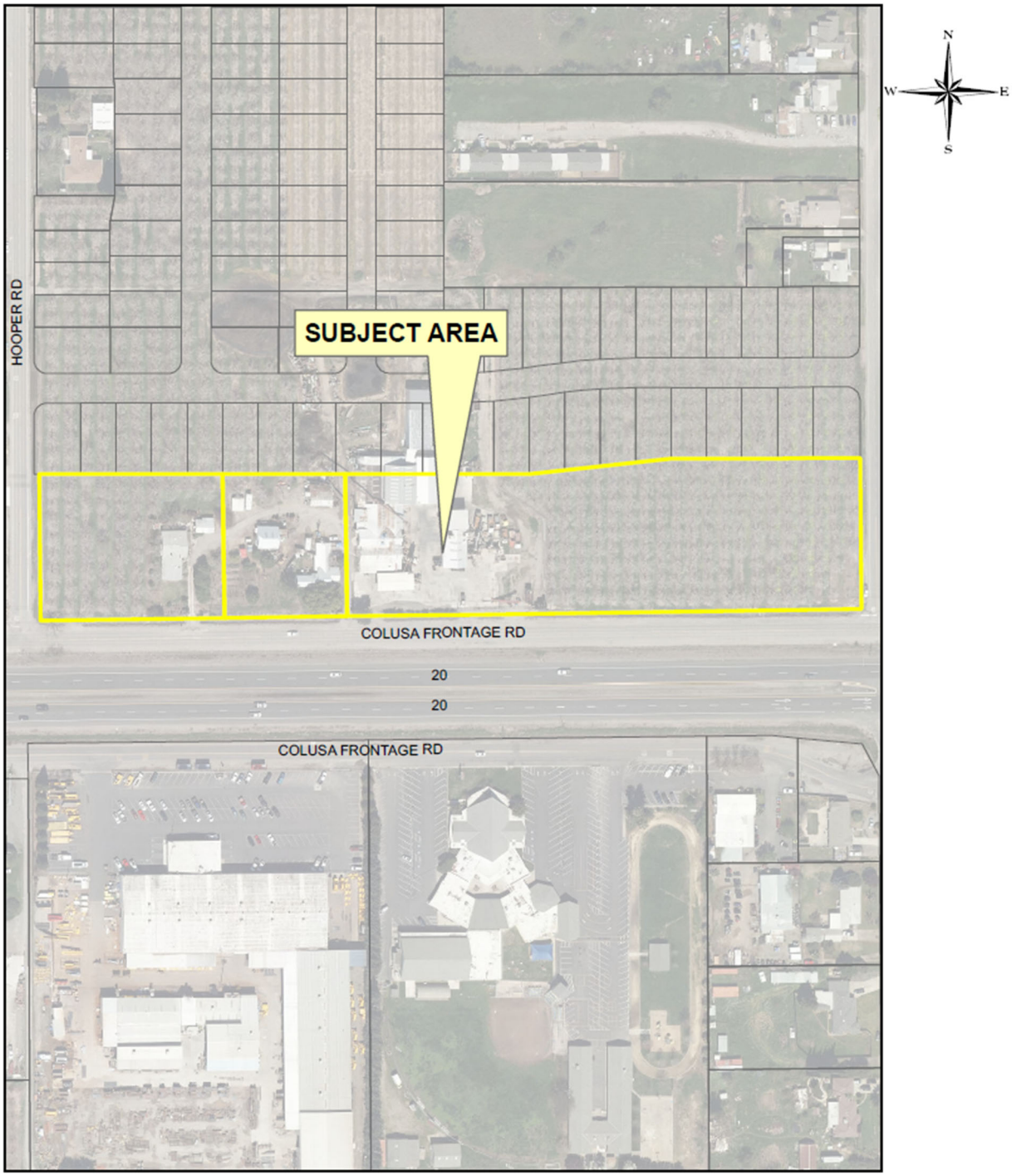


Figure 2: General Plan Amendment 24-03 - Existing and proposed maps

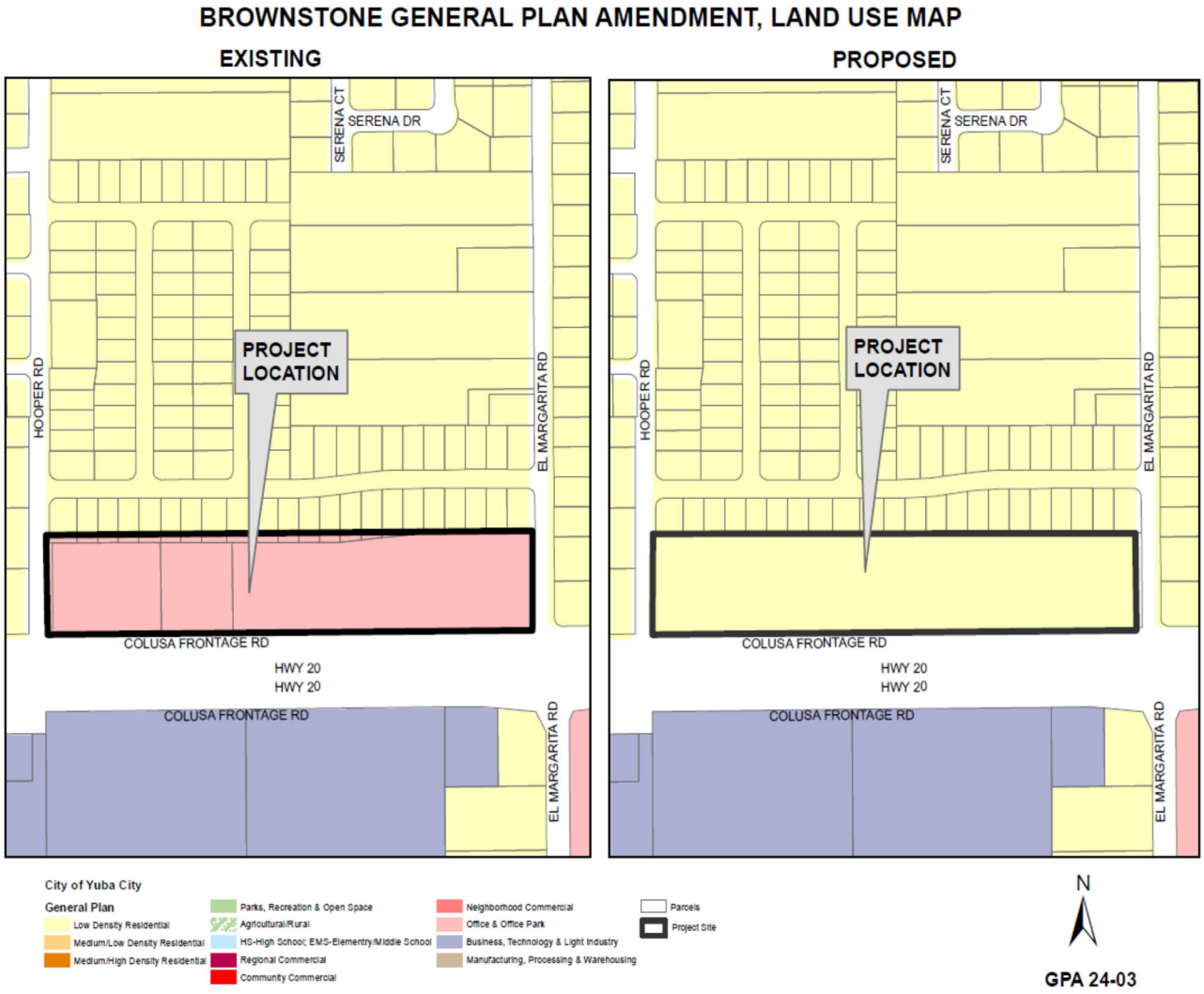


Figure 3: Rezoning Map - Existing and proposed

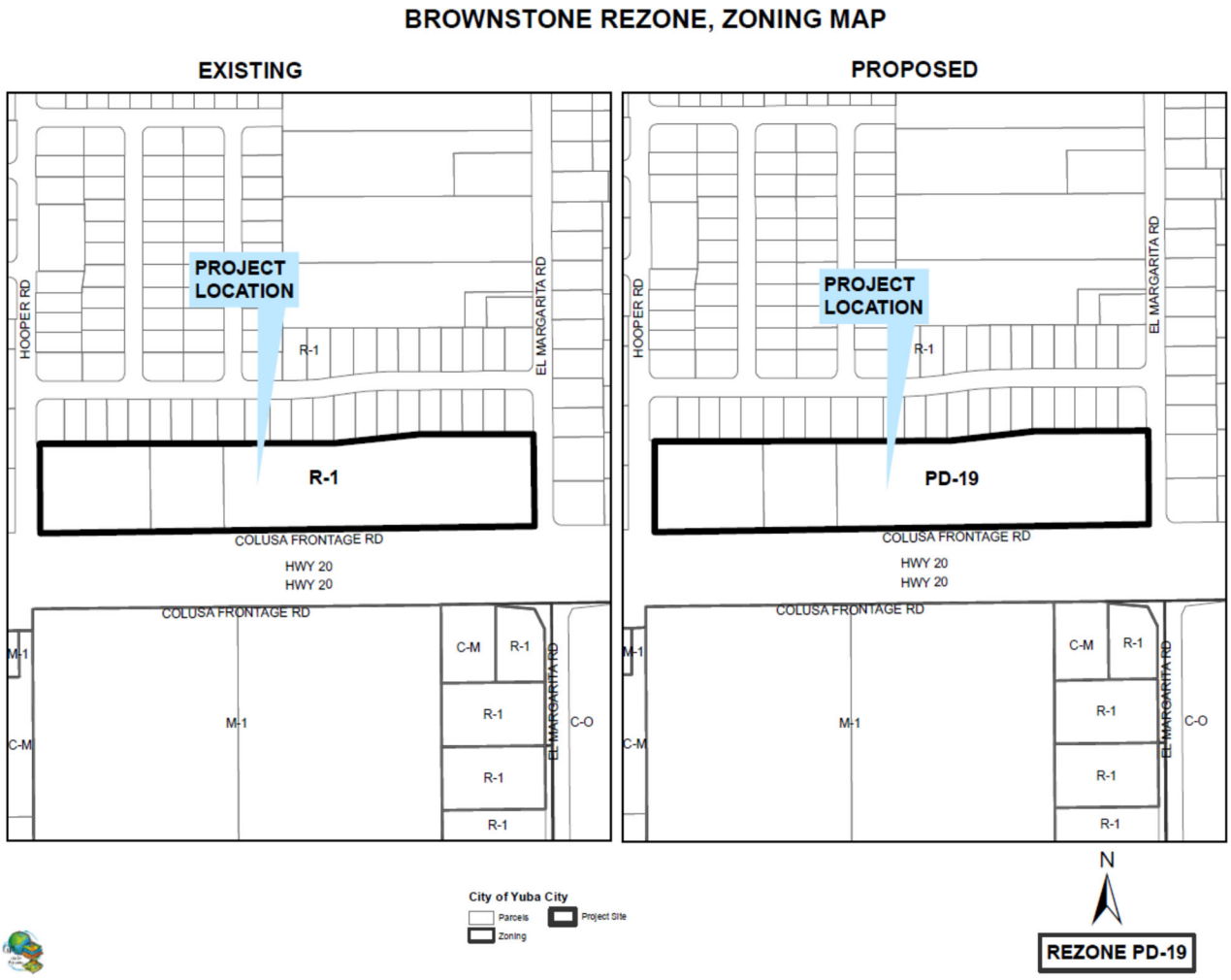
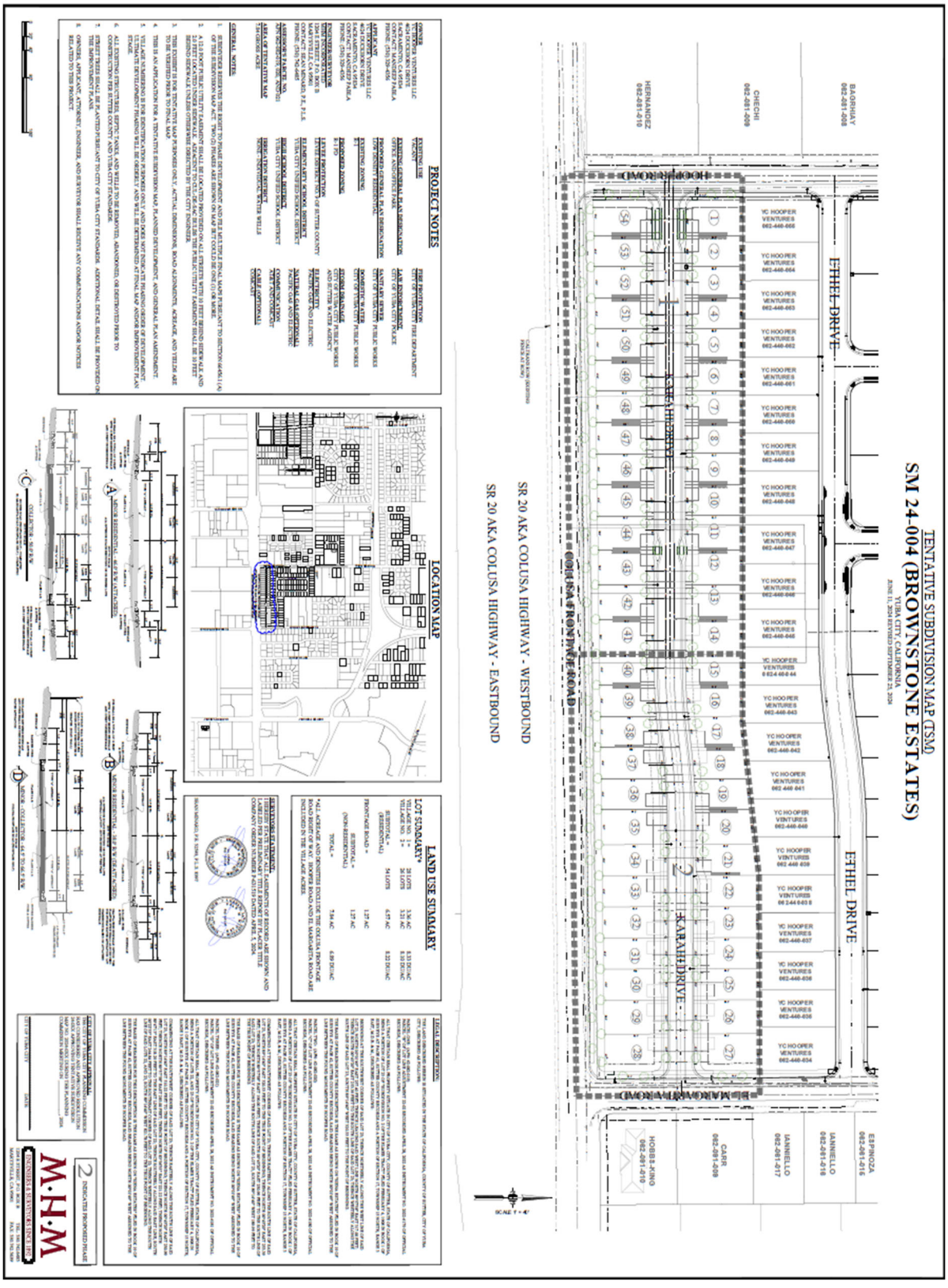


Figure 4: TSM 24-004



2.11. Other Public Agencies Whose Approval May be Required

Feather River Air Quality Management District, Dust Control Plan, Indirect Source Review.
Sutter County Water Agency (Live Oak Canal).

2.12. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

All geographically relevant Native American tribes were timely notified of the Project, and consultation was not requested.

2.13 Environmental Factors Potentially Affected:

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

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

Determination: On the basis of this initial evaluation:

☐ 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 the 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.

Doug Libby
Signature

October 25, 2024
Date

Doug Libby, AICP, Deputy Director of Development Services
Printed Name/Position

2.14 Evaluation of Environmental Impacts:

A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (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).

All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

"Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analysis," as described below, may be cross referenced). A Mitigated Negative Declaration also requires preparation and adoption of a Mitigation Monitoring and Reporting Program (MMRP)

Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. In this case, a brief discussion should identify the following:

Earlier Analysis Used: Identify and state where they are available for review.

Impacts Adequately Addressed: Identify which effects from the above checklist were within the scope and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

Mitigation Measures: For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures that were incorporated or refined from the earlier document and the extent to which they addressed site-specific conditions for the project.

Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts. Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

Supporting Information Sources: A source list should be attached, and other sources used, or individuals contacted should be cited in the discussion.

Impacts rezoning the property to a PD Zone District: After reviewing the proposed rezoning, it was concluded that there are no additional environmental impacts from the rezoning that are not addressed in the review of the subdivision. All of the various environmental categories, including biological

resources, traffic, noise, air quality, etc., are addressed in the analysis of the impacts caused by the proposed 54 residences. Adjusting the lots sizes, percent lot coverage, distance between buildings, and other standards may be important to the neighborhood or even the larger community, but they typically are not environmental issues. As such, there is no further discussion regarding the rezoning in the Environmental Checklist and Impact Evaluation.

The following section presents the initial study checklist recommended by the California Environmental Quality Act (CEQA; Appendix G) to determine potential impacts of a project. Explanations of all answers are provided following each question, as necessary.

3.1 Aesthetics

Table 3-1: Aesthetics				
Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?			X	
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?			X	
c) In non-urbanized areas substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point. If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality.			X	
d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?			X	

3.1.1 Environmental Setting/Affected Environment

Background views are generally considered to be long-range views in excess of 3 to 5 miles from a vantage point. Background views surrounding the Project site are limited due to the flat nature of the site and the surrounding urban landscape. Overall, the vast majority of Sutter County is relatively flat, with the Sutter Buttes being the exception. The Sutter Buttes, located approximately 7 miles northwest of the project site, are visible from much of Yuba City and Sutter County. The Sutter Buttes comprise the long-range views to the northwest and are visible from the much of the City, except in areas where trees or intervening structures block views of the mountain range.

The City's General Plan, more specifically the Community Design Element "establishes policies to ensure the creation of public and private improvements that will maintain and enhance the image, livability, and aesthetics of Yuba City in the years to come."

The following principles and policies are applicable:

- Maintain the identity of Yuba City as a small-town community, commercial hub, and residential community, surrounded by agricultural land and convey, through land uses and design amenities, Yuba City's character and place in the Sacramento Valley.
- Recognizing the livability and beauty of peer communities with highly designed visual landscapes, commit to a focus on the visual landscape of Yuba City.
- Maintain, develop, and enhance connections between existing and planned neighborhoods.
- Create and build upon a structured open space and parks network.
- Strive for lush, landscaped public areas marked by extensive tree plantings.
- Design commercial and industrial centers to be visually appealing, to serve both pedestrians and automobiles, and to integrate into the adjacent urban fabric.

In addition to the City's General Plan, the City provides Design Guidelines. The goal of the City's design guidelines is to ensure the highest quality of building design: designs that are aesthetically pleasing; designs that are compatible with the surroundings in terms of scale, mass, detailing, and building patterns; designs that accommodate the pedestrian, automobile, bicycle, and transit circulation; and designs that consider public safety, public interaction, and historic resources. However, the Design Guidelines do not apply to single-family residences, as is proposed by this subdivision.

3.1.2 Federal Regulatory Setting

Federal regulations relating to aesthetics include Organic Administration Act (1897), Multiple Use – Sustained Yield Act (1960), Wilderness Act (1964), Federal Lands Policy and Management Act (1976), Wild and Scenic Rivers Act. The proposed Project is not subject to these regulations since there are no federally designated lands or rivers in the vicinity.

3.1.3 State Regulatory Setting

The California State Scenic Highway Program was created by the California Legislature in 1963 to preserve and protect scenic highway corridors from change which would diminish the aesthetic value of lands adjacent to highways. The state laws governing the Scenic Highway Program are found in the Streets and Highways Code, Section 260 et seq. The State Scenic Highway System includes a list of highways that are either eligible for designation as scenic highways or have been so designated. These highways are identified in Section 263 of the Streets and Highways Code.

A highway may be designated scenic depending upon how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view. When a city or county nominates an eligible scenic highway for official designation, it must identify and define the scenic corridor of the highway. A scenic corridor is the land generally adjacent to and visible from the highway. A scenic corridor is identified using a motorist's line of vision. A reasonable boundary is selected when the view extends to the distant horizon. The corridor protection program does not preclude development but seeks to encourage quality development that does not degrade the scenic value of the corridor. Jurisdictional boundaries of the nominating agency are also considered. The agency must also adopt ordinances to preserve the scenic quality of the corridor or document such regulations that already exist in various portions of local codes. These ordinances make up the scenic corridor protection program. County roads can also become part of the Scenic Highway

System. To receive official designation, the county must follow the same process required for official designation of state scenic highways. There are no designated state scenic highways in the vicinity of the Project site.

California Building Code Title 24 Outdoor Lighting Standards: The requirements vary according to which "Lighting Zone" the equipment is in. The Standards contain lighting power allowances for newly installed equipment and specific alterations that are dependent on which Lighting Zone the project is located in. Existing outdoor lighting systems are not required to meet these lighting power allowances. However, alterations that increase the connected load, or replace more than 50 percent of the existing luminaires, for each outdoor lighting application that is regulated by the Standards, must meet the lighting power allowances for newly installed equipment.

An important part of the Standards is to base the lighting power that is allowed on how bright the surrounding conditions are. The eyes adapt to darker surrounding conditions, and less light is needed to properly see; when the surrounding conditions get brighter, more light is needed to see. The least power is allowed in Lighting Zone 1 and increasingly more power is allowed in Lighting Zones 2, 3, and 4. By default, government designated parks, recreation areas and wildlife preserves are Lighting Zone 1; rural areas are Lighting Zone 2; and urban areas are Lighting Zone 3. Lighting Zone 4 is a special use district that may be adopted by a local government. The proposed Project is located in an urban area; thereby, it is in Lighting Zone 3.

3.1.4 Impact Assessment/Environmental Consequences:

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

The primary background view of the proposed single-family residential subdivision from the SR 20 passersby will be the Sutter Buttes that is northwest of this subdivision. That view is already partially blocked by existing development and trees. With the development of this Project, this vista should not be significantly changed as the new residences and landscaping, given time for growth, will essentially match what exists now on neighboring properties. Therefore, the aesthetic impact on the background views of the Sutter Buttes from this Project is considered to be less than significant.

There are no designated scenic areas within the vicinity, so there would not be impacts on a designated scenic area.

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

Although much of the property had on it a walnut orchard and nut processing facility, the site was previously cleared of all buildings and vegetation to accommodate a previously approved project over other portions of the property. That was discussed as part of the CEQA review of that project. That review concluded that there would not be significant impacts on scenic resources. Further, since the site was previously cleared there are no trees, rock outcroppings or buildings on the site. As such, the impact of this subdivision on the aesthetics related to historic buildings and other scenic resources is less than significant.

c) In non-urbanized areas, substantially degrade the existing visual character 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 site is within the urban area. With approval of the proposed PD Zone District the Project as proposed will be in compliance with the Zoning Regulations. The Citywide Design Guidelines do not apply to single-family residences. Therefore, the impacts on scenic resources will be less than significant.

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

The City requires new public streets to have streetlights, thereby providing street lighting within this Project. However, street lighting is not typically considered a significant impact unless there are nearby special circumstances, which there is not. In this case the lighting will be similar to development on the north side of this proposal and thus will not be introducing new lighting to the area. Further, the City requires that the lighting be shielded to screen its direct view from a distance. Therefore, since there are no unique circumstances, the impacts from new street and home lighting should be less than significant.

3.2 Agricultural and Forestry Resources

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model prepared (1997) by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland.

Table 3-2: Agricultural and Forestry Resources

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?			X	
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
c) Conflict with existing zoning for, or cause rezoning of, forestland (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?			X	

3.2.1 Environmental Setting/Affected Environment

Sutter County is located within the northern portion of California's Central Valley in the area known as the Sacramento Valley. It contains some of the richest soils in the State. These soils, combined with abundant surface and subsurface water supplies and a long, warm growing season, make Sutter County's agricultural resources very productive. Sutter County is one of California's leading agricultural counties, with 83 percent of the County's total land acreage currently being used for agricultural purposes. However, while Sutter County provides rich agricultural opportunities, the subject site is within an urban area and has been designated for urban uses for many years.

3.2.2 Federal Regulatory Setting

Farmland Protection Policy Act: The Natural Resources Conservation Service (NRCS), a federal agency within the U.S. Department of Agriculture (USDA), is the agency primarily responsible for implementation of the Farmland Protection Policy Act (FPPA). The FPPA was enacted after the 1981 Congressional report, Compact Cities: Energy-Saving Strategies for the Eighties indicated that a great deal of urban sprawl was the result of programs funded by the federal government. The purpose of the FPPA is to minimize federal programs' contribution to the conversion of farmland to non-agricultural uses by ensuring that federal programs are administered in a manner that is compatible with state, local, and private programs designed to protect farmland. Federal agencies are required to develop and review their policies and procures to implement the FPPA every two years (USDA-NRCS, 2011).

2014 Farm Bill: The Agricultural Act of 2014 (the Act), also known as the 2014 Farm Bill, was signed by President Obama on Feb. 7, 2014. The Act repeals certain programs, continues some programs with modifications, and authorizes several new programs administered by the Farm Service Agency (FSA). Most of these programs are authorized and funded through 2018.

The Farm Bill builds on historic economic gains in rural America over the past five years, while achieving meaningful reform and billions of dollars in savings for the taxpayer. It allows USDA to continue record accomplishments on behalf of the American people, while providing new opportunity and creating jobs across rural America. Additionally, it enables the USDA to further expand markets for agricultural products at home and abroad, strengthen conservation efforts, create new opportunities for local and regional food systems and grow the bio-based economy. It provides a dependable safety net for America's farmers, ranchers and growers and maintains important agricultural research, and ensure access to safe and nutritious food for all Americans.

Forestry Resources: Federal regulations regarding forestry resources are not relevant to the proposed Project because no forestry resources exist on the Project site or in the vicinity.

3.2.3 State Regulatory Setting

California Environmental Quality Act (CEQA) Definition of Agricultural Lands: Public Resources Code Section 21060.1 defines "agricultural land" for the purposes of assessing environmental impacts using the Farmland Mapping & Monitoring Program (FMMP). The FMMP was established in 1982 to assess the location, quality, and quantity of agricultural lands and the conversion of these lands. The FMMP provides analysis of agricultural land use and land use changes throughout California.

California Department of Conservation, Division of Land Resource Protection: The California Department of Conservation (DOC) applies the NRCS soil classifications to identify agricultural lands, and these agricultural designations are used in planning for the present and future of California's agricultural land

resources. Pursuant to the DOC's FMMP, these designated agricultural lands are included in the Important Farmland Maps (IFM) used in planning for the present and future of California's agricultural land resources. The FMMP was established in 1982 to assess the location, quality, and quantity of agricultural lands and the conversion of these lands. The FMMP provides analysis of agricultural land use and land use changes throughout California. The DOC has a minimum mapping unit of 10 acres, with parcels that are smaller than 10 acres being absorbed into the surrounding classifications.

The list below provides a comprehensive description of all the categories mapped by the DOC. Collectively, lands classified as Prime Farmland, Farmland of Statewide Importance, and Unique Farmland is referred to as Farmland.

- *Prime Farmland.* Farmland that has the best combination of physical and chemical features able to sustain long-term agricultural production. This land has the soil quality, growing season, and moisture supply needed to produce sustained high yields. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.
- *Farmland of Statewide Importance.* Farmland similar to Prime Farmland but with minor shortcomings, such as greater slopes or less ability to store soil moisture. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.
- *Unique Farmland.* Farmland of lesser quality soils used for the production of the State's leading agricultural crops. This land is usually irrigated but may include non-irrigated orchards or vineyards as found in some climatic zones in California. Land must have been cropped at some time during the four years prior to the mapping date.
- *Farmland of Local Importance.* Land of importance to the local agricultural economy as determined by each county's board of supervisors and a local advisory committee.
- *Grazing Land.* Land on which the existing vegetation is suited to the grazing of livestock. This category was developed in cooperation with the California Cattlemen's Association, University of California Cooperative Extension, and other groups interested in the extent of grazing activities. The minimum mapping unit for Grazing Land is 40 acres.
- *Urban and Built-up Land.* Land occupied by structures with a building density of at least 1 unit to 1.5 acres, or approximately 6 structures to a 10-acre parcel. This land is used for residential, industrial, commercial, institutional, public administrative purposes, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes.
- *Other Land.* Land not included in any other mapping category. Common examples include low density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing; confined livestock, poultry, or aquaculture facilities; strip mines and borrow pits; and water bodies smaller than 40 acres. Vacant and nonagricultural land surrounded on all sides by urban development and greater than 40 acres is mapped as Other Land.

California Land Conservation Act (Williamson Act): The California Land Conservation Act of 1965, commonly referred to as the Williamson Act, is promulgated in California Government Code Section 51200-51297.4, and therefore is applicable only to specific land parcels within the State of California. The Williamson Act enables local governments to enter into contracts with private landowners for the purpose of restricting specific parcels of land to agricultural or related open space uses in return for reduced property tax assessments. Private land within locally designated agricultural preserve areas is eligible for enrollment under Williamson Act contracts. However, an agricultural preserve must consist of no less

than 100 acres. In order to meet this requirement two or more parcels may be combined if they are contiguous, or if they are in common ownership.

The Williamson Act program is administered by the Department of Conservation (DOC), in conjunction with local governments, which administer the individual contract arrangements with landowners. The landowner commits the parcel to a 10-year period, or a 20-year period for property restricted by a Farmland Security Zone Contract, wherein no conversion out of agricultural use is permitted. Each year the contract automatically renews unless a notice of non-renewal or cancellation is filed. In return, the land is taxed at a rate based on the actual use of the land for agricultural purposes, as opposed to its unrestricted market value. An application for immediate cancellation can also be requested by the landowner, provided that the proposed immediate cancellation application is consistent with the cancellation criteria stated in the California Land Conservation Act and those adopted by the affected county or city. Non-renewal or immediate cancellation does not change the zoning of the property. Participation in the Williamson Act program is dependent on county adoption and implementation of the program and is voluntary for landowners.

Farmland Security Zone Act: The Farmland Security Zone Act is similar to the Williamson Act and was passed by the California State Legislature in 1999 to ensure that long-term farmland preservation is part of public policy. Farmland Security Zone Act contracts are sometimes referred to as "Super Williamson Act Contracts." Under the provisions of this act, a landowner already under a Williamson Act contract can apply for Farmland Security Zone status by entering into a contract with the county. Farmland Security Zone classification automatically renews each year for an additional 20 years. In return for a further 35% reduction in the taxable value of land and growing improvements (in addition to Williamson Act tax benefits), the owner of the property promises not to develop the property into nonagricultural uses.

Forestry Resources: State regulations regarding forestry resources are not relevant to the proposed Project because no forestry resources exist on the project site or in the vicinity.

3.2.4 Impact Assessment/Environmental Consequences:

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?

The 2018 Department of Conservation Important Farmland Map for Sutter County places the 7.84-acre Project site within two mapping designations. "Unique Farmland" is applied to several acres wrapped around the "Urban and Built-Up" designation. This is apparently due to a portion of the property's previous use as a nut processing facility with a small orchard around it. The site was previously cleared as part of a neighboring residential development.

The site is currently surrounded on three sides with single-family residential uses. Further, the property has for many years been designated in the City's General Plan for urban uses, and for which overriding considerations for agricultural land loses within the City's sphere of influence were made in the General Plan EIR. This is part of the larger scope agreed to by the City and Sutter County to allow urban development within the City's sphere of influence, but that the great majority of the County's agricultural lands outside of a city's sphere of influence would be protected as open space. Considering this site has been planned for urban development for many years, is surrounded by urban development with full City services available to the site, it is within the General Plan's area of anticipated loss of agricultural land, which was addressed in the EIR prepared for the General Plan Update and for which overriding considerations were made, the impact on agricultural land is considered less than significant.

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

The proposed Project site and surrounding area is currently zoned for urban type uses, none of which is under a Williamson Act contract. There will be no impact related to a Williamson Act contract. See discussion above under item 3.2.4.a.

c) Conflict with existing zoning for, or cause rezoning of, forestland (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4256), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?

The proposed Project is located in the Sacramento Valley in a relatively flat area much of which was historically utilized for agriculture but was designated years ago in the General Plan for urban use. There is no timberland located on the Project site or within the vicinity of the Project. There will be no impact on existing zoning of forestland and the proposed Project will not cause the rezoning of any forestlands.

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

There is no forested land on the Project site or within the vicinity of the Project. Therefore there will be no impact on forest land.

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?

There are no forestlands on the Project site or in the vicinity. See Part a) above for discussion on the loss of agricultural land. The proposed Project is within an area long planned for urban growth, already served by City services, and developed with single-family residences or proposed to be developed with single-family residences (there is a newly developed single-family residential subdivision on the Project's north side). For these reasons the impact on conversion of farmland to non-farming uses is less than significant.

3.3 Air Quality

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.

Table 3-3: Air Quality				
Would the project?	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?		X		
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?			X	
c) Expose sensitive receptors to substantial pollutant concentrations?			X	
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?			X	

3.3.1 Environmental Setting/Affected Environment

Yuba City is located within the Sacramento Valley Air Basin (SVAB), which consists of the northern half of the Central Valley and approximates the drainage basin for the Sacramento River and its tributaries. The SVAB is bounded on the west by the Coast Range, on the north by the Cascade Range, on the east by the Sierra Nevada, and on the south by the San Joaquin Valley Air Basin. The intervening terrain is flat, and approximately 70 feet above sea level. The SVAB consists of the counties of Butte, Colusa, Glenn, Sacramento, Shasta, Sutter, Tehama, Yolo, and Yuba and portions of Placer and Solano Counties.

Hot dry summers and mild rainy winters characterize the Mediterranean climate of the Sacramento Valley. The climate of the SVAB is dominated by the strength and position of the semi-permanent high-pressure cell over the Pacific Ocean north of Hawaii. In summer, when the high-pressure cell is strongest and farthest north, temperatures are high and humidity is low, although the incursion of the sea breeze into the Central Valley helps moderate the summer heat. In winter, when the high-pressure cell is weakest and farthest south, conditions are characterized by occasional rainstorms interspersed with stagnant and sometimes foggy weather. Throughout the year, daily temperatures may range from summer highs often exceeding 100 degrees Fahrenheit and winter lows occasionally below freezing. Average annual rainfall is about 20 inches with snowfall being very rare. The prevailing winds are moderate in strength and vary from moist clean breezes from the south to dry land flows from the north.

In addition to prevailing wind patterns that control the rate of dispersion of local pollutant emissions, the region experiences two types of inversions that affect the vertical depth of the atmosphere through which pollutants can be mixed. In the warmer months in the SVAB (May through October), sinking air forms a "lid" over the region. These subsidence inversions contribute to summer photochemical smog problems by confining pollution to a shallow layer near the ground. These warmer months are characterized by stagnant morning air or light winds with the delta sea breeze arriving in the afternoon out of the southwest. Usually, the evening breeze transports the airborne pollutants to the north and out of the

SVAB. During about half of the day from July to September, however, a phenomenon called the “Schultz Eddy” prevents this from occurring. Instead of allowing the prevailing wind patterns to move north carrying the pollutants out of the valley, the Schultz Eddy causes the wind pattern to circle back south. This phenomenon exacerbates the pollution levels in the area and increases the likelihood of violating federal or State standards. The Schultz Eddy normally dissipates around noon when the Delta sea breeze begins. In the second type of inversion, the mountains surrounding the SVAB create a barrier to airflow, which can trap air pollutants in the valley. The highest frequency of air stagnation occurs in the autumn and early winter when large high-pressure cells lie over the valley. The air near the ground cools by radiative processes, while the air aloft remains warm. The lack of surface wind during these periods and the reduced vertical flow caused by less surface heating reduces the influx of outside air and allows air pollutants to become concentrated in a stable volume of air. These inversions typically occur during winter nights and can cause localized air pollution "hot spots" near emission sources because of poor dispersion. The surface concentrations of pollutants are highest when these conditions are combined with smoke from agricultural burning or when temperature inversions trap cool air and pollutants near the ground. Although these subsidence and radiative inversions are present throughout much of the year, they are much less dominant during spring and fall, and the air quality during these seasons is generally good.”

Local Climate: The climate of Sutter County is subject to hot dry summers and mild rainy winters, which characterize the Mediterranean climate of the SVAB. Summer temperatures average approximately 90 degrees Fahrenheit during the day and 50 degrees Fahrenheit at night. Winter daytime temperatures average in the low 50s and nighttime temperatures are mainly in the upper 30s. During summer, prevailing winds are from the south. This is primarily because of the north- south orientation of the valley and the location of the Carquinez Straits, a sea-level gap in the coast range that is southwest of Sutter County.

Criteria Air Pollutants: Criteria air pollutants are a group of pollutants for which federal or State regulatory agencies have adopted ambient air quality standards. Criteria air pollutants are classified in each air basin, county, or in some cases, within a specific urbanized area. The classification is determined by comparing actual monitoring data with State and federal standards. If a pollutant concentration is lower than the standard, the area is classified as “attainment” for that pollutant. If an area exceeds the standard, the area is classified as “non-attainment” for that pollutant. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated “unclassified.”

Ambient Air Quality Standards: Both the federal and State government have established ambient air quality standards for outdoor concentrations of various pollutants in order to protect public health. The federal and State ambient air quality standards have been set at levels whose concentrations could be generally harmful to human health and welfare and to protect the most sensitive persons from experiencing health impacts with a margin of safety. Applicable ambient air quality standards are identified later in this section. The air pollutants for which federal and State standards have been promulgated and which are most relevant to air quality planning and regulation in the air basins include ozone, carbon monoxide, nitrogen oxides, suspended particulate matter, sulfur dioxide, and lead. In addition, toxic air contaminants are of concern in Sutter County. Each of these pollutants is briefly described below.

Ozone (O3): is a gas that is formed when reactive organic gases (ROGs) and nitrogen oxides (NOX), both byproducts of internal combustion engine exhaust and other processes undergo slow photochemical reactions in the presence of sunlight. Ozone concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.

Carbon Monoxide (CO): is a colorless, odorless gas produced by the incomplete combustion of fuels. CO concentrations tend to be the highest during the winter morning, with little to no wind, when surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone, motor vehicles operating at slow speeds are the primary source of CO in the SVAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.

Nitrogen Oxides (NOX): is the generic term for a group of highly reactive gases, all of which contain nitrogen and oxygen in varying amounts. Many of the nitrogen oxides are colorless and odorless. However, one common pollutant, nitrogen dioxide (NO2) along with particles in the air can often be seen as a reddish-brown layer over many urban areas. Nitrogen oxides form when fuel is burned at high temperatures, as in a combustion process. The primary manmade sources of NOX are motor vehicles, electric utilities, and other industrial, commercial, and residential sources that burn fuels.

Nitrogen oxides can also be formed naturally.

Respirable Particulate Matter (PM10) and Fine Particulate Matter (PM2.5): consist of extremely small, suspended particles or droplets 10 microns and 2.5 microns or smaller in diameter. Some sources of suspended particulate matter, like pollen and windstorms, occur naturally. However, in populated areas, most fine suspended particulate matter is caused by road dust, diesel soot, and combustion products, abrasion of tires and brakes, and construction activities.

Sulfur Dioxide (SO2): is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant mainly as a result of the burning of high sulfur-content fuel oils and coal, and from chemical processes occurring at chemical plants and refineries.

Lead: occurs in the atmosphere as particulate matter. The combustion of leaded gasoline is the primary source of airborne lead. Since the use of leaded gasoline is no longer permitted for on-road motor vehicles, lead is not a pollutant of concern in the SVAB.

Toxic Air Contaminants (TACs): are known to be highly hazardous to health, even in small quantities. TACs are airborne substances capable of causing short-term (acute) and/or long-term (chronic or carcinogenic) adverse human health effects (i.e., injury or illness). TACs can be emitted from a variety of common sources, including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations.

TAC impacts are assessed using a maximum individual cancer risk (MICR) that estimates the probability of a potential maximally exposed individual (MEI) contracting cancer as a result of sustained exposure to toxic air contaminants over a constant period of 24 hours per day for 70 years for residential receptor locations. The CARB and local air districts have determined that any stationary source posing an incremental cancer risk to the general population (above background risk levels) equal to or greater than 10 people out of 1 million to be excessive. For stationary sources, if the incremental risk of exposure to project-related TAC emissions meets or exceeds the threshold of 10 excess cancer cases per 1 million people, the CARB and local air district require the installation of best available control technology (BACT) or maximum available control technology (MACT) to reduce the risk threshold. To assess risk from ambient air concentrations, the CARB has conducted studies to determine the total cancer inhalation risk to individuals due to outdoor toxic pollutant levels. The CARB has conducted studies to determine the total cancer inhalation risk to individuals due to outdoor toxic pollutant levels. According to the map prepared by the CARB showing the estimated inhalation cancer risk for TACs in the State of California, Sutter County has an existing estimated risk that is between 50 and 500 cancer cases per 1 million people. A significant portion of Sutter County is within the 100 to 250 cancer cases per 1 million people range. There is a higher risk around Yuba City where the cancer risk is as high as 500 cases per 1 million people.

There are only very small portions of the County where the cancer risk is between 50 and 100 cases. This represents the lifetime risk that between 50 and 500 people in 1 million may contract cancer from inhalation of toxic compounds at current ambient concentrations under an MEI scenario.

3.3.2 Federal Regulatory Setting

Clean Air Act: The federal Clean Air Act of 1970 (as amended in 1990) required the U.S. Environmental Protection Agency (EPA) to develop standards for pollutants considered harmful to public health or the environment. Two types of National Ambient Air Quality Standards (NAAQS) were established. Primary standards protect public health, while secondary standards protect public welfare, by including protection against decreased visibility, and damage to animals, crops, landscaping and vegetation, or buildings. NAAQS have been established for six "criteria" pollutants: carbon monoxide (CO), nitrogen dioxide (NO2), sulfur dioxide (SO2), ozone (O3), particulate matter (PM10 and PM2.5), and lead (Pb).

3.3.3 State Regulatory Setting

California Air Resources Board: The California Air Resources Board (CARB) is the state agency responsible for implementing the federal and state Clean Air Acts. CARB has established California Ambient Air Quality Standards (CAAQS), which include all criteria pollutants established by the NAAQS, but with additional regulations for Visibility Reducing Particles, sulfates, hydrogen sulfide (H2S), and vinyl chloride. The proposed Project is located within the Sacramento Valley Air Basin, which includes Butte, Colusa, Glenn, Tehama, Shasta, Yolo, Sacramento, Yuba Sutter and portions of Placer, El Dorado and Solano counties. Air basins are classified as attainment, nonattainment, or unclassified. The FRAQMD is comprised Sutter and Yuba Counties. Attainment is achieved when monitored ambient air quality data is in compliance with the standards for a specified pollutant. Non-compliance with an established standard will result in a nonattainment designation and an unclassified designation indicates insufficient data is available to determine compliance for that pollutant.

California Clean Air Act: The CCAA requires that all air districts in the state endeavor to achieve and maintain CAAQS for Ozone, CO, SO2, and NO2 by the earliest practical date. The CCAA specifies that districts focus particular attention on reducing the emissions from transportation and area-wide emission sources, and the act provides districts with authority to regulate indirect sources. Each district plan is required to either (1) achieve a five percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each non-attainment pollutant or its precursors, or (2) to provide for implementation of all feasible measures to reduce emissions. Any planning effort for air quality attainment would thus need to consider both state and federal planning requirements.

CARB Portable Equipment Registration Program: This program was designed to allow owners and operators of portable engines and other common construction or farming equipment to register their equipment under a statewide program so they may operate it statewide without the need to obtain a permit from the local air district.

U.S. EPA/CARB Off-Road Mobile Sources Emission Reduction Program: The California Clean Air Act (CCAA) requires CARB to achieve a maximum degree of emissions reductions from off-road mobile sources to attain State Ambient Air Quality Standards (SAAQS); off-road mobile sources include most construction equipment. Tier 1 standards for large compression-ignition engines used in off-road mobile sources went into effect in California in 1996. These standards, along with ongoing rulemaking, address emissions of nitrogen oxides (NOX) and toxic particulate matter from diesel engines. CARB is currently developing a

control measure to reduce diesel PM and NOX emissions from existing off-road diesel equipment throughout the state.

California Global Warming Solutions Act: Established in 2006, Assembly Bill 32 (AB 32) requires that California's GHG emissions be reduced to 1990 levels by the year 2020. This will be implemented through a statewide cap on GHG emissions, which will be phased in beginning in 2012. AB 32 requires CARB to develop regulations and a mandatory reporting system to monitor global warming emissions level.

3.3.4 Regional Regulatory Setting

Feather River Air Quality Management District (FRAQMD): The FRAQMD is a bi-county district formed in 1991 to administer local, state, and federal air quality management programs for Yuba and Sutter Counties within the Sacramento Valley Air Basin. The goal of the FRAQMD is to improve air quality in the region through monitoring, evaluation, education and implementing control measures to reduce emissions from stationary sources, permitting and inspection of pollution sources, enforcement of air quality regulations and by supporting and implementing measures to reduce emissions from motor vehicles.

FRAQMD updated its Indirect Source Review Guidelines to reflect the most recent methods recommended to evaluate air quality impacts and mitigation measures for land use development projects in June 2010. The guidelines contain criteria and thresholds for determining whether a project may have a significant adverse impact on air quality, and methods available to mitigate impacts on air quality. This analysis uses guidance and thresholds of significance from the 2010 FRAQMD Indirect Source Review Guidelines to evaluate the proposed Project's air quality impacts.

According to FRAQMD's 2010 Indirect Source Review Guidelines, a project would be considered to have a significant impact on air quality if it would:

- Generate daily construction or operational emissions that would exceed 25 pounds per day for reactive organic gases (ROG), 25 pounds per day for oxides of nitrogen (NOX), or 80 pounds per day for PM10; or generate annual construction or operational emissions of ROG or NOX that exceed 4.5 tons per year.

Northern Sacramento Valley Planning Area 2015 Air Quality Attainment Plan: As specified in the California Clean Air Act of 1988 (CCAA), Chapters 1568-1588, it is the responsibility of each air district in California to attain and maintain the state's ambient air quality standards. The CCAA requires that an Attainment Plan be developed by all nonattainment districts for O3, CO, SOx, and NOx that are either receptors or contributors of transported air pollutants. The purpose of the Northern Sacramento Valley Planning Area 2015 Triennial Air Quality Attainment Plan (TAQAP) is to comply with the requirements of the CCAA as implemented through the California Health and Safety Code. Districts in the NSVPA are required to update the Plan every three years. The TAQAP is formatted to reflect the 1990 baseline emissions year with a planning horizon of 2020. The Health and Safety Code, sections 40910 and 40913, require the Districts to achieve state standards by the earliest practicable date to protect the public health, particularly that of children, the elderly, and people with respiratory illness.

Health and Safety Code Section 41503(b): Requires that control measures for the same emission sources are uniform throughout the planning area to the extent that is feasible. To meet this requirement, the NSVPA has coordinated the development of an Attainment Plan and has set up a specific rule adoption protocol. The protocol was established by the Technical Advisory Committee of the Sacramento Valley Basin-wide Air Pollution Control Council and the Sacramento Valley Air Quality Engineering and Enforcement Professionals, which allow the Districts in the Basin to act and work as a united group with

the CARB as well as with industry in the rule adoption process. Section 40912 of the Health and Safety Code states that each District responsible for, or affected by, air pollutant transport shall provide for attainment and maintenance of the state and federal standards in both upwind and downwind Districts. This section also states that each downwind District's Plan shall contain sufficient measures to reduce emissions originating in each District to below levels which violate state ambient air quality standards, assuming the absence of transport contribution.

3.3.5 Impact Assessment/Environmental Consequences:

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

Constructing the subdivision involves site grading, construction of the infrastructure, and construction of 54 single-family residences. This activity would temporarily create both equipment exhaust and fugitive dust. There will also be ongoing air quality impacts from the auto use generated by the 54 residences. The FRAQMD adopted "*Indirect Source Review Guidelines"* (Guidelines) sets standards for what are typically acceptable threshold levels of pollutants for a Project's operational phase and construction phase. The thresholds are provided in Table 3, below. If a project generates any of these pollutants in excess of the numbers provided, the impact is considered significant if without further mitigation.

Table 3: FRAQMD Thresholds of Significance

Project Phase	Nitrogen Oxides (NOx)	Reactive Organic Gases (ROG)	Particulate Matter
Operational	25 lbs./day	25 lbs./day	80 lbs./day
Construction	25 lbs./day multiplied by proj. length, not to exceed 4.5 tons/yr.*	25 lbs./day multiplied by proj. length, not to exceed 4.5 tons/yr.*	80 lbs./day

*NOx and ROG construction emissions may be averaged over the life of the Project, not to exceed 4.5 tons/yr.

FRAQMD's Indirect Source Review Guidelines provides Screening Criteria that estimates project sizes that would be expected to exceed the operational thresholds provided above. Per the Screening Criteria provided in Table 5-1 of the Guidelines, the proposed 54 lots will be under the FRAQMD adopted operational threshold criteria of 130 homes. As such, the air quality impacts form the subdivision's operations (primarily traffic) will be less than significant.

Regarding the construction related air quality Impacts, the Guidelines consider the impacts to be less than significant if the operational impacts are less than significant and provided that the standard mitigations provided in the Guidelines are applied. These mitigations are provided below. As such, with the application of the FRAQMD recommended mitigation measures, air quality impacts from Project construction would be less than significant.

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 (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

As discussed in a) above the proposed 54 single-family residences would generate criteria pollutants during its construction and from ongoing vehicle traffic generated by the new development. However, due to limited size of the proposal and that FRAQMD mitigations are being applied to the Project, the cumulative impacts are considered to be less than significant.

c) Expose sensitive receptors to substantial pollutant concentrations?

The FRAQMD defines sensitive receptors as facilities that house or attract children, the elderly, and people with illnesses, or others who are especially sensitive to the effects of air pollutants. FRAQMD Guidelines states that if a project is located within 1,000 feet of a sensitive receptor, the impact of diesel particulate matter shall be evaluated. According to the FRAQMD's Indirect Source Review Guidelines, "Construction activity can result in emissions of particulate matter from the diesel exhaust (diesel PM) of construction equipment.

River Valley High School, which is located southeast of the Project site across SR 20, is a sensitive receptor, but is at least 1,200 linear feet from the site. As such, assuming all FRAQMD criteria is met as required, the high school students would not be exposed to substantial amounts of diesel particulate matter. Therefore, any exposure of students to pollutant concentrations would be less than significant.

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

Single-family residential uses typically do not generate objectionable odors. As such, the potential impact of the Project creating local offensive odors would be less than significant.

3.3.6 Air Quality Mitigation Measures

Air Quality Mitigation Measure 1:

Apply the following criteria:

1. Implement the Fugitive Dust Control Plan.
2. Construction equipment exhaust emissions shall not exceed FRAQMD Regulation III, Rule 3.0, Visible Emissions limitations (40 percent opacity or Ringelmann 2.0).
3. The contractor shall be responsible to ensure that all construction equipment is properly tuned and maintained prior to and during the duration of on-site operation.
4. Limiting idling time to 5 minutes – saves fuel and reduces emissions. (State idling rule: commercial diesel vehicles – 13 CCR Chapter 10 Section 2485 effective 02/01/2005; offroad diesel vehicles – 13 CCR Chapter 9 Article 4.8 Section 2449 effective 05/01/2008).
5. Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators.
6. Develop a traffic plan to minimize traffic flow interference from construction activities. The plan may include advance public notice of routing, use of public transportation, and satellite parking areas with a shuttle service. Schedule operations affecting traffic for off-peak hours. Minimize obstruction of through traffic lanes. Provide a flag person to guide traffic properly and ensure safety at construction sites.

7. Portable engines and portable engine-driven equipment units used at the Project work site, with the exception of on-road and off-road motor vehicles, may require California Air Resources Board (ARB) Portable Equipment Registration with State or a local district permit. The owner/operator shall be responsible for arranging appropriate consultations with the ARB or the District to determine registration and permitting requirements prior to equipment operation at the site.

3.4 Biological Resources

Table 3.4: Biological Resources				
Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?			X	
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?			X	
c) Have a substantial adverse effect on states or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?			X	
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?			X	
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X

3.4.1 Environmental Setting/Affected Environment

The level 7.84 acres is within the Yuba City urbanized area. The site was recently cleared to accommodate a previously approved single-family residential subdivision on other portions of this property. The site is surrounded on three sides by a single-family residential development and Colusa Frontage Road/SR 20 is along the property's south side. There are no riparian areas or known critical habitat areas on-site or in the vicinity.

3.4.2. Federal & State Regulatory Setting

Threatened and Endangered Species: State and federal "endangered species" legislation has provided California Department of Fish & Wildlife (CDFW) and United States Fish and Wildlife Service (USFWS) with a mechanism for conserving and protecting plant and animal species of limited distribution and/or low or declining populations. Species listed as threatened or endangered under provisions of the state and federal endangered species acts, candidate species for such listing, state species of special concern, and some plants listed as endangered by the California Native Plant Society are collectively referred to as "species of special status." Permits may be required from both the CDFW and USFWS if activities associated with a proposed project will result in the "take" of a listed species. "Take" is defined by the state of California as "to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture or kill" (California Fish and Game Code, Section 86). "Take" is more broadly defined by the federal Endangered Species Act to include "harm" (16 USC, Section 1532(19), 50 CFR, Section 17.3). Furthermore, the CDFW and the USFWS are responding agencies under CEQA. Both agencies review CEQA documents in order to determine the adequacy of their treatment of endangered species issues and to make project-specific recommendations for their conservation.

Migratory Birds: State and federal laws also protect most birds. The Federal Migratory Bird Treaty Act (16U.S.C., scc. 703, Supp. I, 1989) prohibits killing, possessing, or trading in migratory birds, except in accordance with regulations prescribed by the Secretary of the Interior. This act encompasses whole birds, parts of birds, and bird nests and eggs.

Birds of Prey: Birds of prey are also protected in California under provisions of the California Fish and Game Code, Section 3503.5, which states that it is "unlawful to take, possess, or destroy any birds in the order Falconiformes or Strigiformes (birds of prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by this code or any regulation adopted pursuant thereto." Construction disturbance during the breeding season could result in the incidental loss of fertile eggs or nestlings, or otherwise lead to nest abandonment. Disturbance that causes nest abandonment and/or loss of reproductive effort is considered "taking" by the CDFW.

Wetlands and Other Jurisdictional Waters: Natural drainage channels and adjacent wetlands may be considered "Waters of the United States" subject to the jurisdiction of the USACE. The extent of jurisdiction has been defined in the Code of Federal Regulations but has also been subject to interpretation of the federal courts.

Waters of the U.S. generally include:

- All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters, which are subject to the ebb and flow of the tide.
- All interstate waters including interstate wetlands.
- All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation, or destruction of which could affect interstate or foreign commerce.
- All impoundments of waters otherwise defined as waters of the United States under the definition.
- Tributaries of waters identified in the bulleted items above.

As determined by the United States Supreme Court in its 2001 Solid Waste Agency of Northern Cook County v. U.S. Army Corps of Engineers (SWANCC) decision, channels and wetlands isolated from other jurisdictional waters cannot be considered jurisdictional on the basis of their use, hypothetical or observed, by migratory birds. Similarly, in its 2006 consolidated Carabell/Rapanos decision, the U.S. Supreme Court ruled that a significant nexus between a wetland and other navigable waters must exist for the wetland itself to be considered a navigable, and therefore, jurisdictional water.

The USACE regulates the filling or grading of Waters of the U.S. under the authority of Section 404 of the Clean Water Act. The extent of jurisdiction within drainage channels is defined by "ordinary high-water marks" on opposing channel banks. All activities that involve the discharge of dredge or fill material into Waters of the U.S. are subject to the permit requirements of the USACE. Such permits are typically issued on the condition that the applicant agrees to provide mitigation that result in no net loss of wetland functions or values. No permit can be issued until the Regional Water Quality Control Board (RWQCB) issues a Section 401 Water Quality Certification (or waiver of such certification) verifying that the proposed activity will meet state water quality standards.

CEQA Guidelines Section 15380: 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 the species can be shown to meet certain specific criteria that define "endangered" and "rare" as specified in CEQA Guidelines section 15380(b).

3.4.3. Local Regulatory Setting

The General Plan provides the following policies for the protection of biological resources within the project area:

8.4-G-1 Protect special status species, in accordance with State regulatory requirements.

8.4-G-2 Protect and enhance the natural habitat features of the Feather River and new open space corridors within and around the urban growth area.

8.4-G-3 Preserve and enhance heritage oaks in the Planning Area.

8.4-G-4 Where appropriate, incorporate natural wildlife habitat features into public landscapes, parks, and other public facilities

8.4-I-1 Require protection of sensitive habitat area and special status species in new development site designs in the following order: 1) avoidance; 2) onsite mitigation; 3) offsite mitigation. Require assessments of biological resources prior to approval of any development within 300 feet of any creeks, sensitive habitat areas, or areas of potential sensitive status species.

8.4-I-2 Require preservation of oak trees and other native trees that are of a significant size, by requiring site designs to incorporate these trees to the maximum extent feasible.

8.4-I-3 Require to the extent feasible, use of drought tolerant plants in landscaping for new development, including private and public projects.

3.4.5 Impact Assessment/Environmental Consequences:

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?

The site was recently cleared to accommodate a previously approved residential subdivision on other portions of this property. A review of the 7.84-acre site identified no native trees or orchard trees remain on the property. There are no wetland areas or creek corridors or areas that appear to be sensitive habitat areas. The site is several miles from the Feather River. Per the EIR prepared for the General Plan update, there were no known special status species identified within by the General Plan in the vicinity. Therefore, the impact on biological resources would be less than significant.

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?

See a) above.

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

No wetlands or federal jurisdictional waters of the U.S. are present within the proposed Project area or general vicinity. There would be no impact on any wetland areas or waterways.

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?

The proposed Project would not disturb any waterways, as the nearest waterway is the Feather River, being several miles to the east. Therefore, migratory fish would not be affected. Nor are there any trees proposed to be removed that could be potential nesting habitat for raptors and migratory birds that may choose to nest on the property. As such the impacts on fish or wildlife habitat would be less than significant.

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

No native trees or other biological resources that would be protected by local policies or ordinances exist on the Project site. The EIR prepared for the General Plan did not identify any critical species in the vicinity. Therefore, the impacts on biological resources caused by this Project would be less than significant.

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?

There are no adopted Habitat Conservation Plans, Natural Community Conservation Plans, or any other approved local, regional, or state habitat conservation plans in the vicinity of this Project.

3.5 Cultural Resources

Table 3.5: 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 §15064.5.			X	
b) Cause a substantial adverse change in the significance of an archeological resource pursuant to § 15064.5.			X	
c) Disturb any human remains, including those interred outside of formal cemeteries?		X		

3.5.1 Federal Regulatory Setting

National Historic Preservation Act of 1966 (as amended), Section 106: The significance of cultural resources is evaluated under the criteria for inclusion in the National Register of Historic Places (NRHP), authorized under the National Historic Preservation Act of 1966, as amended. The criteria defined in 36 CFR 60.4 are as follows:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of state and local importance that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

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

Sites listed or eligible for listing on the NRHP are considered to be historic properties. Sites younger than 50 years, unless of exceptional importance, are not eligible for listing in the NRHP.

3.5.2 State Regulatory Setting

CEQA requires consideration of project impacts on archaeological or historical sites deemed to be "historical resources." Under CEQA, a substantial adverse change in the significant qualities of a historical resource is considered a significant effect on the environment. For the purposes of CEQA, a "historical resource" is a resource listed in, or determined to be eligible for listing in, the California Register of Historical Resources (Title 14 CCR §15064.5[a][1]-[3]). Historical resources may include, but are not limited to, "any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (PRC §5020.1[j]).

The eligibility criteria for the California Register are the definitive criteria for assessing the significance of historical resources for the purposes of CEQA (Office of Historic Preservation). Generally, a resource is considered "historically significant" if it meets one or more of the following criteria for listing on the California Register:

- Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
- Is associated with the lives of persons important in our past.
- Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
- Has yielded, or may be likely to yield, information important in prehistory or history. (PRC §5024.1[c])

In addition, the resource must retain integrity. Integrity is evaluated with regard to the retention of location, design, setting, materials, workmanship, feeling, and association (CCR Title 14, § 4852(c)).

Historical resources may include, but are not limited to, "any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (PRC §5020.1[j]).

California Health and Safety Code Section 7050.5: Health and Safety Code states that in the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the remains are discovered has determined whether or not the remains are subject to the coroner's authority. If the human remains are of Native American origin, the coroner must notify the Native American Heritage Commission within 24 hours of this identification. The Native American Heritage Commission will identify a Native American Most Likely Descendant (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods.

3.5.3 Native American Consultation

In September of 2014, the California Legislature passed Assembly Bill (AB) 52, which added provisions to the PRC regarding the evaluation of impacts on tribal cultural resources under CEQA, and consultation requirements with California Native American tribes. In particular, AB 52 now requires lead agencies to analyze project impacts on "tribal cultural resources" separately from archaeological resources (PRC § 21074; 21083.09). AB 52 also requires lead agencies to engage in additional consultation procedures with respect to California Native American tribes (PRC § 21080.3.1, 21080.3.2, 21082.3).

Effective March 2005, Senate Bill 18 requires city and county governments to consult with California Native American tribes early in the planning process with the intent of protecting traditional tribal cultural places. The purpose of involving the tribes at the early stage of planning efforts is to allow consideration of tribal cultural places in context of broad local land use policy before project-level land use decisions are made by a local government. As such, SB 18 applies to the adoption or substantial amendment of general or specific plans. As the later adopted AB 52 provides for a similar review process for all discretionary reviews including general plan amendments and specific plan amendments, the provisions of SB 18 fall within the SB 52 review process for purposes of this document.

In response to AB 52, and SB 18 the City supplied the following Native American tribes with a Project description and map of the proposed Project area and a request for comments:

- United Auburn Indian Community of the Auburn Rancheria
- Yocha Dehe Wintun Nation
- Estom Yomeka Maidu Tribe of the Enterprise Rancheria
- Mechoopda Indian Tribe
- Pakan'yani Maidu of Strawberry Valley
- Mooretown Rancheria of Maidu Indians
- Ione Band of Miwok Indians

Additional details on tribal comments are provided in Section 3.18, Tribal Cultural Resources.

3.5.4 Impact Assessment/Environmental Consequences:

a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5.

The site was previously cleared for another approved development on other portions of this property that was covered by a another CEQA document. The are no remaining structures on the property. Therefore, the potential significant impacts on any historical resources, directly or indirectly, are less than significant.

b) Cause a substantial adverse change in the significance of an archeological resource pursuant to § 15064.5.

As the site was previously reviewed for any archeological resources based on prior environmental assessments for previous projects, cleared and graded, there is little potential for any archeological resources on the property. However, there still remains the potential for previously unknown sub-surface resources to be present. As such the "Unanticipated Discoveries" mitigation will be utilized since there still remains the potential for previously unknown sub-surface resources to be present. In order to avoid potential significant impacts to unknown remains, the mitigation measure is provided in Section 3.18.

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

See b) above

3.6 Energy

Table 3-6: 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 impacts due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?			X	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			X	

3.6.1 State Regulatory Setting

California has implemented numerous energy efficiency and conservation programs that have resulted in substantial energy savings. The State has adopted comprehensive energy efficiency standards as part of its Building Standards Code, California Codes of Regulations, Title 24. In 2009, the California Building Standards Commission adopted a voluntary Green Building Standards Code, also known as CALGreen, which became mandatory in 2011. Both Title 24 and CALGreen are implemented by the City of Yuba City in conjunction with its processing of building permits.

CALGreen sets forth mandatory measures, applicable to new residential and nonresidential structures as well as additions and alterations, on water efficiency and conservation, building material conservation, interior environmental quality, and energy efficiency. California has adopted a Renewables Portfolio Standard, which requires electricity retailers in the state to generate 33% of electricity they sell from renewable energy sources (i.e., solar, wind, geothermal, hydroelectric from small generators, etc.) by the end of 2020. In 2018, SB 100 was signed into law, which increases the electricity generation requirement from renewable sources to 60% by 2030 and requires all the state's electricity to come from carbon-free resources by 2045.

3.6.2. Impact Assessment/Environmental Consequences

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

Project construction would involve fuel consumption and use of other non-renewable resources. Construction equipment used for such improvements typically runs on diesel fuel or gasoline. The same fuels typically are used for vehicles that transport equipment and workers to and from a construction site. However, construction-related fuel consumption would be finite, short-term, and consistent with construction activities of a similar character. This energy use would not be considered wasteful, inefficient, or unnecessary.

Electricity may be used for equipment operation during construction activities. It is expected that more electrical construction equipment would be used in the future, as it would generate fewer air pollutant

and GHG emissions. This electrical consumption would be consistent with construction activities of a similar character; therefore, the use of electricity in construction activities would not be considered wasteful, inefficient, or unnecessary, especially since fossil fuel consumption would be reduced. Moreover, as it is expected that over time a greater share of electricity would be provided from renewable energy sources so less fossil fuel consumption to generate electricity would occur.

The Project would be required to comply with CALGreen and with the building energy efficiency standards of California Code of Regulations Title 24, Part 6 in effect at the time of Project approval. Compliance with these standards would reduce energy consumption associated with project operations, although reductions from compliance cannot be readily quantified. Overall, Project construction would typically not consume energy resources in a manner considered wasteful, inefficient, or unnecessary. As such the impact on energy resources is considered to be less than significant.

Project impacts related to energy consumption are considered less than significant.

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

The Project would be required to be consistent with applicable state and local plans for increased energy efficiency. Assuming the standards are met, the Project's impacts on energy consumption would be less than significant.

3.7 Geology and Soils

Table 3.7: 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 create potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area, or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42			X	
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?				X
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geological unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?				X
d) Be located on expansive soil, as defined in the California Building Code creating substantial direct or indirect risks to life or property?				X
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				X
f) Directly or indirectly destroy a unique paleontological resources or site or unique geologic feature?		X		

3.7.1 Environmental Setting/Affected Environment

Topography and Geology: According to the Sutter County General Plan, Sutter County is located in the flat surface of the Great Valley geomorphic province of California. The Great Valley is an alluvial plain approximately 50 miles wide and 400 miles long in the central portion of California. The Great Valley's northern portion is the Sacramento Valley, drained by the Sacramento River, and its southern portion is the San Joaquin Valley, drained by the San Joaquin River. The geology of the Great Valley is typified by thick sequences of alluvial sediments derived primarily from erosion of the mountains of the Sierra Nevada to the east, and to a lesser extent, erosion of the Klamath Mountains and Cascade Range to the

north. These sediments were transported downstream and subsequently laid down as a river channel, floodplain deposits, and alluvial fans.

Seismic Hazards: Earthquakes are due to a sudden slip of plates along a fault. Seismic shaking is typically the greatest cause of losses to structures during earthquakes. Earthquakes can cause structural damage, injury, and loss of life, as well as damage to infrastructure networks such as water, power, gas, communication, and transportation lines. Other damage-causing effects of earthquakes include surface rupture, fissuring, settlement, and permanent horizontal and vertical shifting of the ground. Secondary impacts can include landslides, seiches, liquefaction, and dam failure.

Seismicity: Although all of California is typically regarded as seismically active, the Central Valley region does not commonly experience strong ground shaking resulting from earthquakes along known and previously unknown active faults. Though no active earthquake faults are known to exist in Yuba City, active faults in the region could generate ground motion felt within the County. Numerous earthquakes of magnitude 5.0 or greater on the Richter scale have occurred on regional faults, primarily those within the San Andreas Fault System in the region. There are several potentially active faults underlying the Sutter Buttes, which are associated with deep-seated volcanism.

The faults identified in Sutter County include the Quaternary Faults, located in the northern section of the County within the Sutter Buttes, and the Pre-Quaternary Fault, located in the southeast of the City, just east of where Highway 70 enters into the County. Both Faults are listed as non-active faults but have the potential for seismic activity.

Ground Shaking: As stated in the Sutter County Multi-Hazard Mitigation Plan, although the County has felt ground shaking from earthquakes with epicenters located elsewhere, no major earthquakes or earthquake related damage has been recorded within the County. Based on historic data and known active or potentially active faults in the region, parts of Sutter County have the potential to experience low to moderate ground shaking. The intensity of ground shaking at any specific site depends on the characteristics of the earthquake, the distance from the earthquake fault, and on the local geologic and soils conditions. Fault zone maps are used to identify where such hazards are more likely to occur based on analyses of faults, soils, topography, groundwater, and the potential for earthquake shaking sufficiently strong to trigger landslide and liquefaction.

Liquefaction: Liquefaction, which can occur in earthquakes with strong ground shaking, is mostly found in areas with sandy soil or fill and a high-water table located 50 feet or less below the ground surface. Liquefaction can cause damage to property with the ground below structures liquefying making the structure unstable causing sinking or other major structural damage. Evidence of liquefaction may be observed in "sand boils," which are expulsions of sand and water from below the surface due to increased pressure below the surface.

Liquefaction during an earthquake requires strong shaking and is not likely to occur in the city due to the relatively low occurrence of seismic activity in the area; however, the clean sandy layers paralleling the Sacramento River, Feather River, and Bear River have lower soil densities and high overall water table are potentially a higher risk area if major seismic activity were to occur. Areas of bedrock, including the Sutter Buttes have high density compacted soils and contain no liquefaction potential, although localized areas of valley fill alluvium can have moderate to high liquefaction potential.

Landslides: Landslides are downward and outward movements of slope forming materials which may be rock, soil, artificial fill, or combinations of such materials. The size of landslides varies from those containing less than a cubic yard of material to massive ones containing millions of cubic yards. Large landslides may move down slope for hundreds of yards or even several miles. A landslide may move rapidly or so slow that a change of position can be noted only over a period of weeks or years. A similar,

but much slower movement is called creep. The susceptibility of a given area to landslides depends on a great many variables. With the exception of the Sutter Buttes, Yuba City is located in a landslide-free zone due to the flat topography. The Sutter Buttes are considered to be in a low landslide hazard zone as shown in Bulletin 198 by the California Division of Mines and Geology.

Soil Erosion: Erosion is a two-step process by which soils and rocks are broken down or fragmented and then transported. The breakdown processes include mechanical abrasion, dissolution, and weathering. Erosion occurs naturally in most systems but is often accelerated by human activities that disturb soil and vegetation. The rate at which erosion occurs is largely a function of climate, soil cover, slope conditions, and inherent soil properties such as texture and structure. Water is the dominant agent of erosion and is responsible for most of the breakdown processes as well as most of the transport processes that result in erosion. Wind may also be an important erosion agent. The rate of erosion depends on many variables including the soil or rock texture and composition, soil permeability, slope, extent of vegetative cover, and precipitation amounts and patterns. Erosion increases with increasing slope, increasing precipitation, and decreasing vegetative cover. Erosion can be extremely high in areas where vegetation has been removed by fire, construction, or cultivation. High rates of erosion may have several negative impacts including degradation and loss of agricultural land, degradation of streams and other water habitats, and rapid silting of reservoirs.

Subsidence: Subsidence is the sinking of a large area of ground surface in which the material is displaced vertically downward, with little or no horizontal movement. Subsidence is usually a direct result of groundwater, oil, or gas withdrawal. These activities are common in several areas of California, including parts of the Sacramento Valley and in large areas of the San Joaquin Valley. Subsidence is a greater hazard in areas where subsurface geology includes compressible layers of silt and clay. Subsidence due to groundwater withdrawal generally affects larger areas and presents a more serious hazard than does subsidence due to oil and gas withdrawal. In portions of the San Joaquin Valley, subsidence has exceeded 20 feet over the past 50 years. In the Sacramento Valley, preliminary studies suggest that much smaller levels of subsidence, up to two feet may have occurred. In most of the valley, elevation data are inadequate to determine positively if subsidence has occurred. However, groundwater withdrawal in the Sacramento Valley has been increasing and groundwater levels have declined in some areas. The amount of subsidence caused by groundwater withdrawal depends on several factors, including: (1) the extent of water level decline, (2) the thickness and depth of the water bearing strata tapped, (3) the thickness and compressibility of silt-clay layers within the vertical sections where groundwater withdrawal is occurring, (4) the duration of maintained groundwater level decline, (5) the number and magnitude of water withdrawals in a given area, and (6) the general geology and geologic structure of the groundwater basin. The damaging effects of subsidence include gradient changes in roads, streams, canals, drains, sewers, and dikes. Many such systems are constructed with slight gradients and may be significantly damaged by even small elevation changes. Other effects include damage to water wells resulting from sediment compaction and increased likelihood of flooding of low-lying areas.

Expansive Soils: Expansive soils are prone to change in volume due to the presence of moisture. Soft clay soils have the tendency to increase in volume when moisture is present and shrink when it is dry (shrink/swell). Swelling soils contain high percentages of certain kinds of clay particles that are capable of absorbing large quantities of water, expanding up to 10 percent or more as the clay becomes wet. The force of expansion is capable of exerting pressure on foundations, slabs, and other confining structures.

Soils: The Natural Resources Conservation Service (NRCS, formerly the Soil Conservation Service) has mapped over 40 individual soil units in the county. The predominant soil series in the county are the Capay, Clear Lake, Conejo, Oswald, and Olashes soils, which account for over 60 percent of the total land area. The remaining soil units each account for smaller percentages the total land area. The Capay and

Clear Lake soils are generally present in the western and southern parts of the county. The Conejo soils occur in the eastern part closer to the incorporated areas of the county. Oswald and Olashes soils are located in the central portion of the county extending north to south, with scattered areas along the southeastern edge of the county. Soil descriptions for the principal soil units in the county are provided below. These descriptions, which were developed by the NRCS, are for native, undisturbed soils and are primarily associated with agricultural suitability. Soil characteristics may vary considerably from the mapped locations and descriptions due to development and other uses. Geotechnical studies are required to identify actual engineering properties of soils at specific locations to determine whether there are specific soil characteristics that could affect foundations, drainage, infrastructure, or other structural features.

3.7.2 Federal Regulatory Setting

Historic Sites Act of 1935: This Act became law on August 21, 1935 (49 Stat. 666; 16 U.S.C. 461-467) and has been amended eight times. This Act establishes as a national policy to preserve for public use historic sites, buildings, and objects, including geologic formations.

National Earthquake Hazards Reduction Program: The National Earthquake Hazards Reduction Program (NEHRP), which was first authorized by Congress in 1977, coordinates the earthquake-related activities of the Federal Government. The goal of NEHRP is to mitigate earthquake losses in the United States through basic and directed research and implementation activities in the fields of earthquake science and engineering. Under NEHRP, FEMA is responsible for developing effective earthquake risk reduction tools and promoting their implementation, as well as supporting the development of disaster-resistant building codes and standards. FEMA's NEHRP activities are led by the FEMA Headquarters (HQ), Federal Insurance and Mitigation Administration, Risk Reduction Division, Building Science Branch, in strong partnership with other FEMA HQ Directorates, and in coordination with the FEMA Regions, the States, the earthquake consortia, and other public and private partners.

3.7.3 State Regulatory Setting

California Alquist-Priolo Earthquake Fault Zoning Act: The Alquist-Priolo Earthquake Fault Zoning Act (originally enacted in 1972 and renamed in 1994) is intended to reduce the risk to life and property from surface fault rupture during earthquakes. The statute prohibits the location of mot types of structures intended for human occupancy across the traces of active faults and regulates construction in the corridors along active faults.

California Seismic Hazards Mapping Act: The Seismic Hazards Mapping Act is intended to reduce damage resulting from earthquakes. While the Alquist-Priolo Earthquake Fault Zoning Act addresses surface fault rupture, the Seismic Hazards Mapping Act addresses other earthquake-related hazards, including ground shaking, liquefaction, and seismically induced landslides. The state is charged with identifying and mapping areas at risk of strong ground shaking, liquefaction, landslides, and other hazards, and cities and counties are required to regulate development within mapped Seismic Hazard Zones.

Uniform Building Code: The California Code of Regulations (CCR) Title 24 is assigned to the California Building Standards Commission, which, by law, is responsible for coordinating all building standards. The California Building Code incorporates by reference the Uniform Building Code with necessary California amendments. The Uniform Building Code is a widely adopted model building code in the United States published by the International Conference of Building Officials. About one-third of the text within the California Building Code has been tailored for California earthquake conditions.

Paleontological Resources: Paleontological resources are the fossilized remains of plants and animals and associated deposits. The Society of Vertebrate Paleontology has identified vertebrate fossils, their taphonomic and associated environmental indicators, and fossiliferous deposits as significant nonrenewable paleontological resources. Botanical and invertebrate fossils and assemblages may also be considered significant resources. CEQA requires that a determination be made as to whether a project would directly or indirectly destroy a unique paleontological resource or site or unique geological feature (CEQA Appendix G(v)(c)). If an impact is significant, CEQA requires feasible measures to minimize the impact (CCR Title 14(3) Section 15126.4 (a)(1)). California Public Resources Code Section 5097.5 (see above) also applies to paleontological resources.

3.7.4 Impact Assessment/Environmental Consequences:

a) Directly or indirectly create 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.

According to the Yuba City General Plan, no active earthquake faults are known to exist in Sutter County, although active faults in the region could produce ground motion in Yuba City (Dyett & Bhatia, 2004). The closest known fault zone is the Bear Mountain Fault Zone, located approximately 20 miles northeast of Yuba City (California Geological Survey [CGS], 2015). Potentially active faults do exist in the Sutter Buttes, but those faults are considered small and have not exhibited activity in recent history. Because the distance from the City to the closest known active fault zone is large, the potential for exposure of people or structures to substantial adverse effects from fault rupture is low. Considering that the Building Code incorporates construction standards for minimizing earthquake damage to buildings, and the low potential for a significant earthquake activity in the vicinity, the potential for adverse impacts from an earthquake is less than significant.

ii. Strong seismic ground shaking?

In the event of a major regional earthquake, fault rupture or seismic ground shaking could potentially injure people and cause collapse or structural damage to existing and proposed structures. Ground shaking could potentially expose people and property to seismic-related hazards, including localized liquefaction and ground failure. However, all new structures are required to adhere to current California Building Code standards. These standards require adequate design, construction, and maintenance of structures to prevent exposure of people and structures to major geologic hazards. General Plan Implementing Policies 9.2-I-1 through 9.2-I-8 and the building codes reduce the potential impacts to less than significant.

iii. Seismic-related ground failure, including liquefaction?

The proposed Project is not located within a liquefaction zone according to the California Department of Conservation's California Geologic Survey regulatory maps. Regardless, all new structures are required to adhere to current California Building Code standards. These standards require adequate design, construction, and maintenance of structures to prevent exposure of people and structures to major geologic hazards. Therefore, the potential impact from ground failure is less than significant.

iv. Landslides?

According to the Environmental Impact Report prepared for the General Plan, due to the flat topography, erosion, landslides, and mudflows are not considered to be a significant risk in the City limits or within the City's Sphere of Influence.

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

Development of the site would result in approximately 7.84 acres of ground being disturbed during site grading. Even though the area is relatively flat, during site grading a large storm could result in the loss of topsoil into the City/Sutter County drainage system. However, as part of the grading and construction, the applicant will be required to follow Best Management Practices (BMP's) and provide erosion control measures to minimize soil runoff during the construction process. Therefore, impacts from soil erosion will be less than significant.

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

d) Be located on expansive soil, as defined in the California Building Code creating substantial direct or indirect risks to life or property?

The extreme southwest corner of the Yuba City Sphere of Influence is the only known area with expansive soils. The Project area is not located within that area and therefore will not be impacted by the presence of expansive soils.

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

All of the 54 single-family residences will be connected to the City's wastewater collection and treatment system. No new septic systems will be utilized. As such, there will be no new impacts from septic systems.

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

Due to prior ground disturbances for agricultural uses and more recent clearing and grading of the property it is unlikely that any paleontological resources exist on the site. However, the following mitigation measure shall apply if any paleontological resources are discovered:

3.7.5 Paleontological Mitigation Measure

Paleontological Mitigation Measure 1: This Mitigation Measure shall be placed as a note on the Demolition and Grading Plans. If paleontological resources are found, the construction manager shall halt all activity and immediately contact the Development Services Department @ 530-822-4700.

Mitigation shall be conducted as follows:

1. Identify and evaluate paleontological resources by intense field survey in the vicinity that potential paleontological resource was found, as determined by the paleontologist;
2. Assess effects on identified sites;

3. Consult with the institutional/academic paleontologists conducting research investigations within the geological formations that are slated to be impacted;
4. Obtain comments from the researchers;
5. Comply with researchers' recommendations to address any significant adverse effects were determined by the City to be feasible.

In considering any suggested mitigation proposed by the consulting paleontologist, the City's Community Development Department Staff shall determine whether avoidance is necessary and feasible in light of factors such as the nature of the find, Project design, costs, Specific or General Plan policies and land use assumptions, and other considerations. If avoidance is unnecessary or infeasible, other appropriate measures (e.g., data recovery) shall be instituted. Work may proceed on other parts of the Project site while mitigation for paleontological resources is carried out.

3.8 Greenhouse Gas Emissions

Table 3.8: Greenhouse Gas Emissions				
Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?		X		

3.8.1 Federal Regulatory Setting

The United States Environmental Protection Agency (USEPA) Mandatory Reporting Rule (40 CFR Part 98), which became effective December 29, 2009, requires that all facilities that emit more than 25,000 metric tons CO2-equivalent per year beginning in 2010, report their emissions on an annual basis. On May 13, 2010, the USEPA issued a final rule that established an approach to addressing GHG emissions from stationary sources under the Clean Air Act (CAA) permitting programs. The final rule set thresholds for GHG emissions that define when permits under the New Source Review Prevention of Significant Deterioration and title V Operating Permit programs are required for new and existing industrial facilities.

In addition, the Supreme Court decision in Massachusetts v. EPA (Supreme Court Case 05-1120) found that the USEPA has the authority to list GHGs as pollutants and to regulate emissions of greenhouse gases (GHG) under the CAA. On April 17, 2009, the USEPA found that CO2, CH4, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride may contribute to air pollution and may endanger public health and welfare. This finding may result in the USEPA regulating GHG emissions; however, to date the USEPA has not propose regulations based on this finding.

3.8.2 State & Local Regulatory Setting

The City's Resource Efficiency Plan as designed under the premise that the City, and the community it represents, is uniquely capable of addressing emissions associated with sources under the City's jurisdiction and that the City's emission reduction efforts should coordinate with the state strategies of reducing emissions in order to accomplish these reductions in an efficient and cost-effective manner. The City developed this document with the following purposes in mind:

- Local Control: The Yuba City Efficiency Plan allows the City to identify strategies to reduce resource consumption, costs, and GHG emissions in all economic sectors in a way that maintains local control over the issues and fits the character of the community. It also may position the City for funding to implement programs tied to climate goals.
- Energy and Resource Efficiency: The Efficiency Plan identifies opportunities for the City to increase energy efficiency and lower GHG emissions in a manner that is most feasible within the community. Reducing energy consumption through increasing the efficiency of energy technologies, reducing energy use, and using renewable sources of energy are effective ways to reduce GHG emissions. Energy efficiency also provides opportunities for cost-savings.
- Improved Public Health: Many of the GHG reduction strategies identified in the Efficiency Plan also have local public health benefits. Benefits include local air quality improvements; creating a more active community through implementing resource-efficient living practices; and reducing health risks, such as heat stroke, that would be otherwise elevated by climate change impacts such as increased extreme heat days.

Demonstrating Consistency with State GHG Reduction Goals—A GHG reduction plan may be used as GHG mitigation in a General Plan to demonstrate that the City is aligned with State goals for reducing GHG emissions to a level considered less than cumulatively considerable.

3.8.3 Impact Assessment/Environmental Consequences:

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

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

Gases that trap heat in the atmosphere are referred to as greenhouse gases (GHGs) because they capture heat radiated from the sun as it is reflected back into the atmosphere, similar to a greenhouse. The accumulation of GHGs has been implicated as a driving force for Global Climate Change. Definitions of climate change vary between and across regulatory authorities and the scientific community, but in general can be described as the changing of the climate caused by natural fluctuations and the impact of human activities that alter the composition of the global atmosphere. Both natural processes and human activities emit GHGs. Global Climate Change is a change in the average weather on earth that can be measured by wind patterns, storms, precipitation, and temperature. Although there is disagreement as to the speed of global warming and the extent of the impacts attributable to human activities, the vast majority of the scientific community now agrees that there is a direct link between increased emission of GHGs and long-term global temperature. Potential global warming impacts in California may include, but are not limited to, loss in snowpack, sea level rise, more extreme heat days per year, more high ozone days, more large forest fires, and more drought years. Secondary effects are likely to include a global rise

in sea level, impacts to agriculture, changes in disease vectors, and changes in habitat and biodiversity. GHG impacts are considered to be exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective (CAPCOA).

The construction of the 54 single-family residences would generate GHG emissions from construction equipment. Once the subdivision is developed, vehicle traffic generated by auto use from the new residences will also contribute GHG gases. Due to the small size of the Project, it is not expected to create significant greenhouse gas emissions. However, on a cumulative scale, possible reasonable reductions could be applied to the Project in order to further minimize those impacts. Specifically addressing this proposal, the City's Resource Efficiency Plan addresses greenhouse gas concerns and provides a description of greenhouse gas reduction measures. A mitigation measure is included that requires the Project to incorporate the relevant greenhouse gas reduction measures. With this mitigation the impacts from greenhouse gases will be less than significant.

3.8.4 Greenhouse Mitigation Measure

Greenhouse Gas Mitigation Measure 1: The site grading process shall comply with the GHG Reduction Measures provided in the adopted Yuba City Resource Efficiency Plan.

3.9 Hazards and Hazardous Materials

Table 3.9: 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?			X	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			X	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			X	
d) Be located on a site, which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment?				X
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?				X
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			X	
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires.			X	

3.9.1 Federal Regulatory Setting

U.S. Environmental Protection Agency (USEPA): The USEPA was established in 1970 to consolidate in one agency a variety of federal research, monitoring, standard setting, and enforcement activities to ensure environmental protection. USEPA's mission is to protect human health and to safeguard the natural environment — air, water, and land — upon which life depends. USEPA works to develop and enforce regulations that implement environmental laws enacted by Congress, is responsible for researching and setting national standards for a variety of environmental programs, and delegates to states and tribes the responsibility for issuing permits and for monitoring and enforcing compliance. Where national standards are not met, USEPA can issue sanctions and take other steps to assist the states and tribes in reaching the desired levels of environmental quality.

Federal Toxic Substances Control Act/Resource Conservation and Recovery Act/Hazardous and Solid Waste Act: The Federal Toxic Substances Control Act (1976) and the Resource Conservation and Recovery

Act of 1976 (RCRA) established a program administered by the USEPA for the regulation of the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA was amended in 1984 by the Hazardous and Solid Waste Act (HSWA), which affirmed and extended the "cradle to grave" system of regulating hazardous wastes.

Comprehensive Environmental Response, Compensation, and Liability Act/Superfund Amendments and Reauthorization Act: The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly known as Superfund, was enacted by Congress on December 11, 1980. This law (U.S. Code Title 42, Chapter 103) provides broad federal authority to respond directly to releases or threatened releases of hazardous substances that may endanger public health or the environment. CERCLA establishes requirements concerning closed and abandoned hazardous waste sites; provides for liability of persons responsible for releases of hazardous waste at these sites; and establishes a trust fund to provide for cleanup when no responsible party can be identified. CERCLA also enables the revision of the National Contingency Plan (NCP). The NCP (Title 40, Code of Federal Regulation [CFR], Part 300) provides the guidelines and procedures needed to respond to releases and threatened releases of hazardous substances, pollutants, and/or contaminants. The NCP also established the National Priorities List (NPL). CERCLA was amended by the Superfund Amendments and Reauthorization Act (SARA) on October 17, 1986.

Clean Water Act/SPCC Rule: The Clean Water Act (CWA) (33 U.S.C. Section 1251 et seq., formerly the Federal Water Pollution Control Act of 1972), was enacted with the intent of restoring and maintaining the chemical, physical, and biological integrity of the waters of the United States. As part of the Clean Water Act, the U.S. EPA oversees and enforces the Oil Pollution Prevention regulation contained in Title 40 of the CFR, Part 112 (Title 40 CFR, Part 112) which is often referred to as the "SPCC rule" because the regulations describe the requirements for facilities to prepare, amend and implement Spill Prevention, Control, and

Countermeasure (SPCC) Plans: A facility is subject to SPCC regulations if a single oil storage tank has a capacity greater than 660 gallons, or the total above ground oil storage capacity exceeds 1,320 gallons, or the underground oil storage capacity exceeds 42,000 gallons, and if, due to its location, the facility could reasonably be expected to discharge oil into or upon the "Navigable Waters" of the United States. Other federal regulations overseen by the U.S. EPA relevant to hazardous materials and environmental contamination include Title 40, CFR, Chapter 1, Subchapter D – Water Programs and Subchapter I – Solid Wastes. Title 40, CFR, Chapter 1, Subchapter D, Parts 116 and 117 designate hazardous substances under the Federal Water Pollution Control Act: Title 40, CFR, Part 116 sets forth a determination of the reportable quantity for each substance that is designated as hazardous. Title 40, CFR, Part 117 applies to quantities of designated substances equal to or greater than the reportable quantities that may be discharged into waters of the United States.

The NFPA 70®: National Electrical Code® is adopted in all 50 states. Any electrical work associated with the Proposed Project is required to comply with the standards set forth in this code. Several federal regulations govern hazards as they are related to transportation issues. They include:

Title 49, CFR, Sections 171-177 (49 CFR 171-177), governs the transportation of hazardous materials, the types of materials defined as hazardous, and the marking of the transportation vehicles.

49 CFR 350-399, and Appendices A-G, Federal Motor Carrier Safety Regulations, address safety considerations for the transport of goods, materials, and substances over public highways.

49 CFR 397.9, the Hazardous Materials Transportation Act of 1974, directs the U.S. Department of Transportation to establish criteria and regulations for the safe transportation of hazardous materials.

3.9.2 State Regulatory Setting

California Environmental Protection Agency (CalEPA): The California Environmental Protection Agency (CalEPA) was created in 1991 by Governor's Executive Order. The six boards, departments, and office were placed under the CalEPA umbrella to create a cabinet-level voice for the protection of human health and the environment and to assure the coordinated deployment of State resources. The mission of CalEPA is to restore, protect, and enhance the environment to ensure public health, environmental quality, and economic vitality under Title 22 of the California Code of Regulations (CCR).

Department of Toxic Substances Control (DTSC): DTSC is a department of Cal/EPA and is the primary agency in California that regulates hazardous waste, cleans-up existing contamination, and looks for ways to reduce the hazardous waste produced in California. DTSC regulates hazardous waste in California primarily under the authority of RCRA and the California Health and Safety Code. Other laws that affect hazardous waste are specific to handling, storage, transportation, disposal, treatment, reduction, cleanup, and emergency planning. Government Code Section 65962.5 (commonly referred to as the Cortese List) includes DTSC listed hazardous waste facilities and sites, DHS lists of contaminated drinking water wells, sites listed by the SWRCB as having UST leaks and which have had a discharge of hazardous wastes or materials into the water or groundwater and lists from local regulatory agencies of sites that have had a known migration of hazardous waste/material.

Unified Program: The Unified Program (codified CCR Title 27, Division 1, Subdivision 4, Chapter 1, Sections 15100- 15620) consolidates, coordinates, and makes consistent the administrative requirements, permits, inspections, and enforcement activities of the following six environmental and emergency response programs:

- Hazardous Waste Generator (HWG) program and Hazardous Waste On-site Treatment activities;
- Aboveground Storage Tank (AST) program Spill Prevention Control and Countermeasure Plan requirements;
- Underground Storage Tank (UST) program;
- Hazardous Materials Release Response Plans and Inventory (HMRRP) program;
- California Accidental Release Prevention (CalARP) program;
- Hazardous Materials Management Plans and Hazardous Materials Inventory Statement (HMMP/HMIS) requirements.

The Secretary of CalEPA is directly responsible for coordinating the administration of the Unified Program. The Unified Program requires all counties to apply to the CalEPA Secretary for the certification of a local unified program agency. Qualified cities are also permitted to apply for certification. The local Certified Unified Program Agency (CUPA) is required to consolidate, coordinate, and make consistent the administrative requirements, permits, fee structures, and inspection and enforcement activities for these six program elements in the county. Most CUPAs have been established as a function of a local environmental health or fire department.

Hazardous Waste Management Program: The Hazardous Waste Management Program (HWMP) regulates hazardous waste through its permitting, enforcement, and Unified Program activities in accordance with California Health and Safety Code Section 25135 et seq. The main focus of HWMP is to ensure the safe storage, treatment, transportation, and disposal of hazardous wastes.

State Water Resources Control Board (SWRCB): The State Water Resources Control Board (SWRCB) was created by the California legislature in 1967. The mission of SWRCB is to ensure the highest reasonable

quality for waters of the State, while allocating those waters to achieve the optimum balance of beneficial uses. The joint authority of water allocation and water quality protection enables SWRCB to provide comprehensive protection for California's waters.

California Department of Industrial Relations – Division of Occupational Safety and Health (Cal OSHA): In California, every employer has a legal obligation to provide and maintain a safe and healthful workplace for employees, according to the California Occupational Safety and Health Act of 1973 (per Title 8 of the CCR). The Division of Occupational Safety and Health (Cal/OSHA) program is responsible for enforcing California laws and regulations pertaining to workplace safety and health and for providing assistance to employers and workers about workplace safety and health issues. Cal/OSHA regulations are administered through Title 8 of the CCR. The regulations require all manufacturers or importers to assess the hazards of substances that they produce or import and all employers to provide information to their employees about the hazardous substances to which they may be exposed.

California Fire Code: The California Fire Code is Part 9 of the California Code of Regulations, Title 24, also referred to as the California Building Standards Code. The California Fire Code incorporates the Uniform Fire Code with necessary California amendments. This Code prescribes regulations consistent with nationally recognized good practice for the safeguarding to a reasonable degree of life and property from the hazards of fire explosion, and dangerous conditions arising from the storage, handling and use of hazardous materials and devices, and from conditions hazardous to life or property in the use or occupancy of buildings or premises and provisions to assist emergency response personnel.

3.9.3 Local Regulatory Setting

Sutter County Airport Comprehensive Land Use Plan: The SCACLUP was adopted in April 1994 by the Sacramento Area Council of Governments (SACOG). SACOG is the designated Airport Land Use Commission (ALUC) for Sacramento, Sutter, Yolo, and Yuba Counties under the provisions of the California Public Utilities Code, Chapter 4, Article 3.5, Section 21670.1 Airport Land Use Commission Law. The purpose of the ALUC law is to (1) protect public health, safety, and welfare through the adoption of land use standards that minimize the public's exposure to safety hazards and excessive levels of noise, and (2) Prevent the encroachment of incompatible land uses around public-use airports, thereby preserving the utilities of these airports into the future.

3.9.4 Impact Assessment/Environmental Consequences:

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

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

The hazardous materials associated with the development of the subdivision followed by construction of the residences will be those materials associated with grading and construction equipment, which typically includes solvents, oil, and fuel. Provided that these materials are legally and properly used and stored, the proposed Project will not create a significant hazard to the public or the environment. On an ongoing basis the only anticipated hazardous waste would be household hazardous waste. Assuming proper and legal disposal of those wastes there should not be a significant impact from hazardous materials.

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

River Valley High School is located southeast of this site. The distance of the Project site from the nearest part of the high school is about 1,200 feet, just within one-quarter mile. The development of the subdivision followed by construction of the residences will be those materials associated with grading and construction equipment, which typically includes solvents, oil, and fuel. On an ongoing basis the only anticipated hazardous waste would be household hazardous waste. The construction of the subdivision and its 54 residences would generate construction equipment emissions that could impact the school. Considering that time for operating equipment on the Project site is short, and assuming proper use of the fuels, solvents, and oil for the grading and paving equipment, and that only a portion of the school facilities are within the distance threshold, and most of the school facilities are outside of it, the impacts to the school students should be less than significant. Construction related emissions, discussed under Sec. 3.3, would also be less than significant. Similarly, for household hazardous waste generated by the 54 new residences, assuming proper and legal use and disposal, household hazardous waste will have a less than a significant impact on the school.

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

A Phase I Environmental Site Assessment was prepared by Marcus H. Bole & Associates, dated August 16, 2021 ("Report"). A copy of this report is attached as Appendix A. The report covered the entire 25.14-acre property of which this 7.84 acres was a part. The total acreage included an approximately 18-acre walnut orchard, two single-family residences, and buildings that supported an almond and walnut drying and processing facility. Because of the nut processing facility, the report also included a database search prepared by Environmental Data Resources, Inc. of public lists of sites that generate, store, treat, or dispose of hazardous material or sites for which a release or incident has occurred. The report found that all agricultural chemicals and petroleum products were properly stored and that there was no observed staining of unpaved surfaces within the industrial areas or the orchard. The report concluded that no further investigation was warranted. As a result, the potential for a significant impact from any pre-existing hazardous materials is less than significant.

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

The Project is not located within the Sutter County Airport Comprehensive Land Use Plan, nor is it within two miles of a public use airport.

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

The Yuba City Fire Department and Police Department serve this area. Neither agency has expressed concern over impacts the Project may have on any emergency response plans. Accordingly, there will be no significant impacts on emergency response or emergency evacuations plans.

g) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

The Project site is located within the Yuba City urban area. The urban area is surrounded by irrigated agricultural lands for several miles. There are no wildlands on the site or in the vicinity. Accordingly, the potential impacts from wildland fires are less than significant.

3.10 Hydrology and Water Quality

Table 3.10: 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 groundwater quality?			X	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impeded sustainable groundwater management of the basin?			X	
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site?			X	
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?			X	
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or			X	
iv)impede or redirect flood flows?				X
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?			X	
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			X	

3.10.1 Federal Regulatory Setting

Clean Water Act: The Clean Water Act (CWA) is intended to restore and maintain the chemical, physical, and biological integrity of the nation's waters (33 CFR 1251). The regulations implementing the CWA protect waters of the U.S. including streams and wetlands (33 CFR 328.3). The CWA requires states to set standards to protect, maintain, and restore water quality by regulating point source and some non-point source discharges. Under Section 402 of the CWA, the National Pollutant Discharge Elimination System (NPDES) permit process was established to regulate these discharges.

Federal Emergency Management Agency (FEMA) Flood Zones: The National Flood Insurance Act (1968) makes available federally subsidized flood insurance to owners of flood-prone properties. To facilitate identifying areas with flood potential, Federal Emergency Management Agency (FEMA) has developed Flood Insurance Rate Maps (FIRM) that can be used for planning purposes. Flood hazard areas identified on the Flood Insurance Rate Map are identified as a Special Flood Hazard Area (SFHA). SFHA are defined as the area that will be inundated by the flood event having a 1-percent chance of being equaled or exceeded in any given year. The 1-percent annual chance flood is also referred to as the base flood or 100-year flood. SFHAs are labeled as Zone A, Zone AO, Zone AH, Zones A1-A30, Zone AE, Zone A99, Zone AR, Zone AR/AE, Zone AR/AO, Zone AR/A1-A30, Zone AR/A, Zone V, Zone VE, and Zones V1-V30. Moderate flood hazard areas, labeled Zone B or Zone X (shaded) are also shown on the FIRM, and are the areas between the limits of the base flood and the 0.2-percent-annual-chance (or 500-year) flood. The areas of minimal flood hazard, which are the areas outside the SFHA and higher than the elevation of the 0.2-percent-annual-chance flood, are labeled Zone C or Zone X (unshaded).

3.10.2 State Regulatory Setting

State Water Resources Control Board: The State Water Resources Control Board (SWRCB) is the agency with jurisdiction over water quality issues in the State of California. The WRCB is governed by the Porter-Cologne Water Quality Act (Division 7 of the California Water Code), which establishes the legal framework for water quality control activities by the SWRCB. The intent of the Porter- Cologne Act is to regulate factors which may affect the quality of waters of the State to attain the highest quality which is reasonable, considering a full range of demands and values. Much of the implementation of the SWRCB's responsibilities is delegated to its nine Regional Boards. The Project site is located within the Central Valley Regional Water Quality Control board.

Central Valley Regional Water Quality Control Board (CVRWQCB): administers the NPDES storm water-permitting program in the Central Valley region. Construction activities on one acre or more are subject to the permitting requirements of the NPDES General Permit for Discharges of Storm Water Runoff Associated with Construction Activity (General Construction Permit). Additionally, CVRWQCB is responsible for issuing Waste Discharge Requirements Orders under California Water Code Section 13260, Article 4, Waste Discharge Requirements.

State Department of Water Resources: California Water Code (Sections 10004 et seq.) requires that the State Department of Water Resources update the State Water Plan every five years. The 2013 update is the most current review and included (but is not limited to) the following conclusions:

- The total number of wells completed in California between 1977 and 2010 is approximately 432,469 and ranges from a high of 108,346 wells for the Sacramento River Hydrologic Region to a low of 4,069 wells for the North Lahontan Hydrologic Region.
- Based on the June 2014 California Statewide Groundwater Elevation Monitoring (CASGEM) basin prioritization for California's 515 groundwater basins, 43 basins are identified as high priority, 84

basins as medium priority, 27 basins as low priority, and the remaining 361 basins as very low priority.

- The 127 basins designated as high or medium priority account for 96 percent of the average annual statewide groundwater use and 88 percent of the 2010 population overlying the groundwater basin area.
- Depth-to-groundwater contours were developed for the unconfined aquifer system in the Central Valley. In the Sacramento Valley, the spring 2010 groundwater depths range from less than 10 feet below ground surface (bgs) to approximately 50 feet bgs, with local areas showing maximum depths of as much as 160 feet bgs.
- The most prevalent groundwater contaminants affecting California's community drinking water wells are arsenic, nitrate, gross alpha activity, and perchlorate.

California Government Code 65302 (d): The General Plan must contain a Conservation Element for the conservation, development, and utilization of natural resources including water and its hydraulic force, forests, soils, river and other waters, harbors, fisheries, wildlife, minerals, and other natural resources. That portion of the conservation element including waters shall be developed in coordination with any County-wide water agency and with all district and city agencies which have developed, served, controlled, or conserved water for any purpose for the County or city for which the plan is prepared. Coordination shall include the discussion and evaluation of any water supply and demand information described in Section 65352.5 if that information has been submitted by the water agency to the city or County. The conservation element may also cover:

- The reclamation of land and waters.
- Prevention and control of the pollution of streams and other waters.
- Regulation of the use of land in stream channels and other areas required for the accomplishment of the conservation plan.
- Prevention, control, and correction of the erosion of soils, beaches, and shores.
- Protection of watersheds.
- The location, quantity, and quality of the rock, sand, and gravel resources.
- Flood control.

Sustainable Groundwater Management Act: On September 16, 2014, Governor Edmund G. Brown Jr. signed historic legislation to strengthen local management and monitoring of groundwater basins most critical to the state's water needs. The three bills, SB 1168 (Pavley) SB 1319 (Pavley) and AB 1739 (Dickinson) together makeup the Sustainable Groundwater Management Act. The Sustainable Groundwater Management Act comprehensively reforms groundwater management in California. The intent of the Act is to place management at the local level, although the state may intervene to manage basins when local agencies fail to take appropriate responsibility. The Act provides authority for local agency management of groundwater and requires creation of groundwater sustainability agencies and implementation of plans to achieve groundwater sustainability within basins of high and medium priority.

3.10.3 Impact Assessment/Environmental Consequences:

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

Most of the City's public water supply comes from the Feather River. The water is pumped from the river to the Water Treatment Plant located in northern Yuba City. The plant also sometimes utilizes a groundwater well in addition to surface water supplies due to recent drought conditions. Since the residences will only receive water through the City system, it is unlikely that the Project could impact the water quality in the City system.

All of the wastewater generated by the Project will flow into the City wastewater treatment facility which is in compliance with all state water discharge standards. Residential wastewater is not expected to generate any unique type of waste that would cause the system to become out of compliance with state standards.

All storm water runoff associated with the Project will drain into the Live Oak Canal and ultimately into the Feather River. The quality of the stormwater runoff is addressed through General Plan Implementing Policies 8.5-I-1 through 8.5-I-10 which require a wide range of developer and City actions involving coordination with the State Regional Water Quality Control Board, protecting waterways, and following Yuba City's adopted Best Management Practices for new construction. With the level of oversight on the City's water supply, and enforcement of Best Management Practices at construction sites, the impacts from the 54 single-family residences on the City's water and waste-water systems or storm water drainage system. Will be less than significant.

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

All of the residences will be connected to the City's water system. City water will also be provided for common landscaping. While consumer consumption of City water will increase with the Project, very little groundwater will be utilized as the City primarily utilizes surface water supplies in its system. As a result, the impacts on groundwater will be less than significant.

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

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

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

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?

There will be increased stormwater drainage caused by new impermeable surfaces within the Project area, which will ultimately drain into the Feather River. The Project will be required to construct the local collection facilities and pay the appropriate fees to the Sutter County Water Agency for its fair share of improvements and expansion to the existing drainage system that it will be connected too. Also, as noted above, all new construction must involve use of Best Management Practices. Assuming all required standards are met the impacts from additional storm water drainage from the site are expected to be less than significant.

Iv) impede or redirect flood flows?

According to the Federal Emergency Management Agency this portion of the City is outside of the 100-year flood plain. This is due to the existing levee system that contains seasonally high-water flows from the nearby Feather River from flooding areas outside of the levee system. Additional construction within the City that is outside of the levee system does not impact the levee system and therefore does not increase, impede, or otherwise have any effect on the highwater flows within the levee system. Therefore, there is no impact on the high-water flows within the Feather River levee system.

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

According to the Federal Emergency Management Agency, this portion of the City is outside of the 100-year flood plain. The City is not close to the ocean or any big lakes so a seiche is unlikely to happen in or near the City. The City is located inland from the Pacific Ocean, so people or structures in the City would not be exposed to inundation by tsunami. Mudflows and landslides are unlikely to happen due to the relatively flat topography within the project area. Thus, it is unlikely that the project site would be subject to inundation by a seiche, tsunami, or mudflow or landslide. Therefore, the potential for significant impacts from any of these types of events is less than significant.

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

Regarding water quality, as noted in Part a) above, all new construction is required to utilize Best Management Practices for stormwater drainage. Regarding impacts on a groundwater management plan, the City primarily utilizes surface water from the Feather River for its water supply, so any impact on groundwater would be less than significant. As such the impacts on water quality and groundwater management from the 54 new single-family residences will be less than significant.

3.11 Land Use and Planning

Table 3:11: 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?				X
b)	Cause a significant environmental impact due to a conflict with any land use plan, policy or regulation adopted for the purpose of avoiding or mitigating an environmental effect?				X

3.11.1 Environmental Setting/Affected Environment

The proposed GPA/RZ/TSM is on 7.84 acres that is abutted on the north, east, and west sides by single-family residences. The property has at least since 2004 been planned for office uses along the frontage road. The office designation was originally applied to this site primarily due the property south side being

bordered by State Route 20, a major east-west throughfare. This proposal would revise the area designated for office use to the medium-density residential designation which provides a for residential density range of 6 to 14 residences per acre. This proposal 54 single-family residences would result in approximately 6.9 residences per acre.

3.11.2 Federal Regulatory Setting

There are no federal or state regulations pertaining to land use and planning relevant to the proposed Project.

3.11.3 Local Regulatory Setting

Yuba City General Plan, Land Use Element: The Land Use Element of the General Plan establishes guidance for the ultimate pattern of growth in the City's Sphere of Influence. It provides direction regarding how lands are to be used, where growth will occur, the density/intensity and physical form of that growth, and key design considerations.

3.11.4 Impact Assessment/Environmental Consequences:

a) Physically divide an established community?

The proposed single-family residential Project will not physically divide an established community. From the broader perspective, the proposal is on the very southerly edge of the neighboring Tierra Buena residential community, with SR 20 on the property's south side. This property has little relationship to the uses on the south side of SR 20. As such, the development of the property will enlarge, not divide, the residential community. Therefore the impacts of this proposal on dividing the community will be less than significant.

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?

The revision of the General Plan and Zoning regulations from allowing office type uses to providing single-family residential and related uses is in itself a change in regulations. Comparing this proposed GPA/RZ/TSM to existing policies and programs, this environmental study has not identified any land use plans or policies that will be violated by this proposal. In this case General Plan noise policies were reviewed due to the Project's proximity to SR 20, and the Project was determined to be within policy standards. As the proposed change in land use designations in itself is not in conflict with any land use policies, the impacts from any conflicts with environmental plans, policies, and regulations will be less than significant.

3.12 Mineral Resources

Table 3-12: Mineral Resources				
Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				X
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?				X

3.12.1 Federal Regulatory Setting

There are no federal regulations pertaining to mineral resources relevant to the proposed Project.

3.12.2 State Regulatory Setting

California Surface Mining and Reclamation Act of 1975: Enacted by the State Legislature in 1975, the Surface Mining and Reclamation Act (SMARA), Public Resources Code Section 2710 et seq., insures a continuing supply of mineral resources for the State. The act also creates surface mining and reclamation policy to assure that:

- Production and conservation of minerals is encouraged;
- Environmental effects are prevented or minimized;
- Consideration is given to recreational activities, watersheds, wildlife, range and forage, and aesthetic enjoyment;
- Mined lands are reclaimed to a useable condition once mining is completed; and
- Hazards to public safety both now and in the future are eliminated.

Areas in the State (city or county) that do not have their own regulations for mining and reclamation activities rely on the Department of Conservation, Division of Mines and Geology, Office of Mine Reclamation to enforce this law. SMARA contains provisions for the inventory of mineral lands in the State of California.

The State Geologist, in accordance with the State Board's Guidelines for Classification and Designation of Mineral Lands, must classify Mineral Resource Zones (MRZ) as designated below:

- MRZ-1. Areas where available geologic information indicates that there is minimal likelihood of significant resources.
- MRZ-2. Areas underlain by mineral deposits where geologic data indicate that significant mineral deposits are located or likely to be located.
- MRZ-3. Areas where mineral deposits are found but the significance of the deposits cannot be evaluated without further exploration.

- MRZ-4. Areas where there is not enough information to assess the zone. These are areas that have unknown mineral resource significance.

SMARA only covers mining activities that impact or disturb the surface of the land. Deep mining (tunnel) or petroleum and gas production is not covered by SMARA.

3.12.3 Impact Assessment/Environmental Consequences:

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

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

The property contains no known mineral resources and there is little opportunity for mineral resource extraction. The Yuba City General Plan does not recognize any mineral resource zone within the City limits, and no mineral extraction facilities currently exist within the City. Additionally, the site has nearby residential uses, which generally is considered incompatible with mineral extraction facilities. As such the Project will not have an impact on mineral resources.

3.13 Noise

Table 3.13: 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?			X	
b) Generation of excessive ground borne vibration or ground borne noise levels?			X	
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				X

3.13.1 Environmental Setting/Affected Environment for Noise

Noise can be generally defined as unwanted sound. Sound, traveling in the form of waves from a source, exerts a sound pressure level (referred to as sound level) which is measured in decibels (dB), with 0 dB corresponding roughly to the threshold of human hearing and 120 to 140 dB corresponding to the threshold of pain.

Sound pressure fluctuations can be measured in units of hertz (Hz), which correspond to the frequency of a particular sound. Typically, sound does not consist of a single frequency, but rather a broad band of frequencies varying in levels of magnitude (sound power). The sound pressure level, therefore, constitutes the additive force exerted by a sound corresponding to the frequency/sound power level spectrum.

The typical human ear is not equally sensitive to all frequencies of the audible sound spectrum. As a consequence, when assessing potential noise impacts, sound is measured using an electronic filter that de-emphasizes the frequencies below 1,000 Hz and above 5,000 Hz in a manner corresponding to the human ear's decreased sensitivity to low and extremely high frequencies instead of the frequency mid-range. This method of frequency weighting is referred to as A-weighting and is expressed in units of A-weighted decibels (dBA). Frequency A-weighting follows an international standard methodology of frequency de-emphasis and is typically applied to community noise measurements.

Noise exposure is a measure of noise over a period of time. Noise level is a measure of noise at a given instant in time. Community noise varies continuously over a period of time with respect to the contributing sound sources of the community noise environment. Community noise is primarily the product of many distant noise sources, which constitute a relatively stable background noise exposure, with the individual contributors unidentifiable. The background noise level changes throughout a typical day, but does so gradually, corresponding with the addition and subtraction of distant noise sources such as traffic and atmospheric conditions. What makes community noise constantly variable throughout a day, besides the slowly changing background noise, is the addition of short duration single event noise sources (e.g., aircraft flyovers, motor vehicles, sirens), which are readily identifiable to the individual receptor. These successive additions of sound to the community noise environment vary the community noise level from instant to instant, requiring the measurement of noise exposure over a period of time to legitimately characterize a community noise environment and evaluate cumulative noise impacts.

3.13.2 Environmental Setting/Affected Environment for Groundbourne Vibration

Vibration is the periodic oscillation of a medium or object. Vibration sources may be continuous, such as factory machinery, or transient, such as explosions. As is the case with airborne sound, ground borne vibrations may be described by amplitude and frequency. Vibration amplitudes are usually expressed in peak particle velocity (PPV), or root mean squared (RMS), as in RMS vibration velocity. The PPV and RMS (VbA) vibration velocity are normally described in inches per second (in/sec). PPV is defined as the maximum instantaneous positive or negative peak of a vibration signal and is often used in monitoring of blasting vibration because it is related to the stresses that are experienced by buildings.

Although PPV is appropriate for evaluating the potential for building damage, it is not always suitable for evaluating human response. As it takes some time for the human body to respond to vibration signals, it is more prudent to use vibration velocity when measuring human response. The typical background vibration velocity level in residential areas is approximately 50 VdB. Groundborne vibration is normally perceptible to humans at approximately 65 VdB. For most people, a vibration-velocity level of 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible 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. 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.

3.13.3 Federal Regulatory Setting

Federal Vibration Policies: The Federal Railway Administration (FRA) and the Federal Transit Administration (FTA) have published guidance relative to vibration impacts. According to the FRA, fragile buildings can be exposed to ground-borne vibration levels of 90 VdB without experiencing structural damage.97 The FTA has identified the human annoyance response to vibration levels as 75 VdB.

3.13.4 State Regulatory Setting

California Noise Control Act: The California Noise Control Act was enacted in 1973 (Health and Safety Code §46010 et seq.), and states that the Office of Noise Control (ONC) should provide assistance to local communities in developing local noise control programs. It also indicates that ONC staff would work with the Department of Resources Office of Planning and Research (OPR) to provide guidance for the preparation of the required noise elements in city and county General Plans, pursuant to Government Code § 65302(f). California Government Code § 65302(f) requires city and county general plans to include a noise element. The purpose of a noise element is to guide future development to enhance future land use compatibility.

Title 24 – Sound Transmission Control: Title 24 of the California Code of Regulations (CCR) codifies Sound Transmission Control requirements, which establishes uniform minimum noise insulation performance standards for new hotels, motels, dormitories, apartment houses, and dwellings other than detached single-family dwellings. Specifically, Title 24 states that interior noise levels attributable to exterior sources shall not exceed 45 dBA CNEL in any habitable room of new dwellings Title 24, Part 2 requires an acoustical report that demonstrates the achievements of the required 45 dBA CNEL. Dwellings are designed so that interior noise levels will meet this standard for at least ten years from the time of building permit application.

3.13.5 Local Regulatory Setting

The **City of Yuba City General Plan** presents the vision for the future of Yuba City, outlining several guiding policies and policies relevant to noise.

The following goals and policies from the City of Yuba City General Plan[1] are relevant to noise.

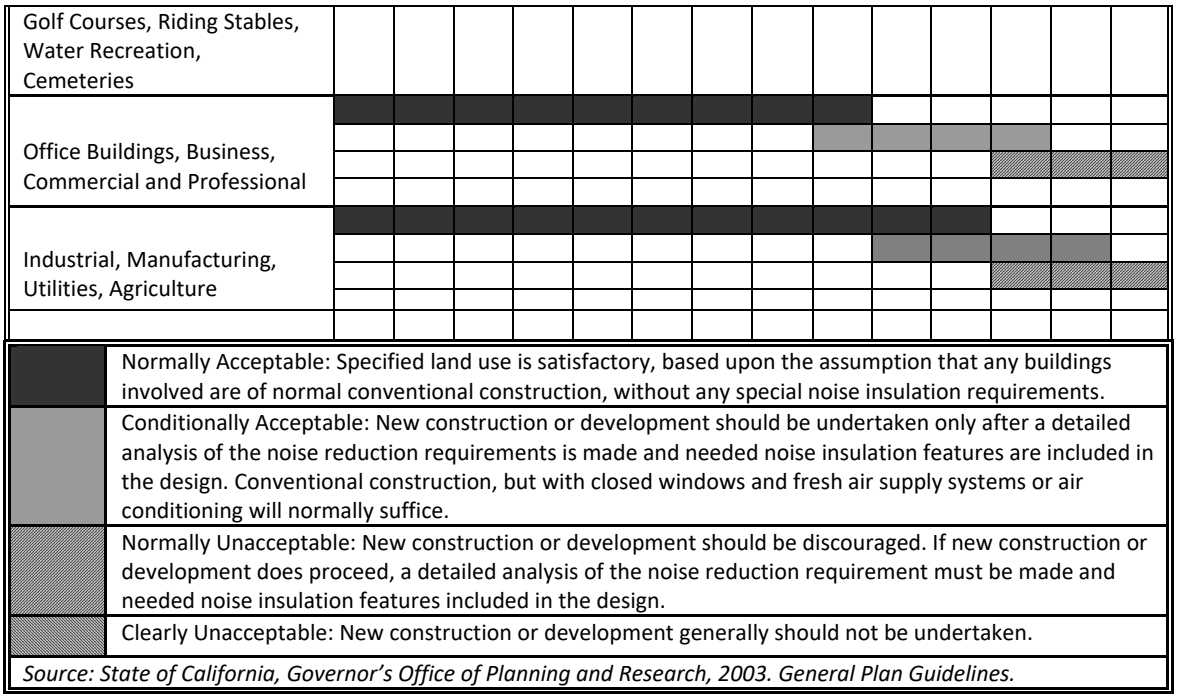
Guiding Policies

- 9.1-G-1 Strive to achieve an acceptable noise environment for the present and future residences of Yuba City.
- 9.1-G-2 Incorporate noise considerations into land use planning decisions and guide the location and design of transportation facilities to minimize the effects of noise on adjacent land uses.
- Implementing Policies
- 9.1-I-1 Require a noise study and mitigation for all projects that have noise exposure greater than “normally acceptable” levels. Noise mitigation measures include, but are not limited to, the following actions:
- Screen and control noise sources, such as parking and loading facilities, outdoor activities, and mechanical equipment.

- Increase setbacks for noise sources from adjacent dwellings,
- Retain fences, walls, and landscaping that serve as noise buffers,
- Use soundproofing materials and double-glazed windows, and
- Control hours of operation, including deliveries and trash pickup, to minimize noise impacts.
- 9.1-I-3 In making a determination of impact under the California Environmental Quality Act (CEQA), consider an increase of four or more dBA to be "significant" if the resulting noise level would exceed that described as normally acceptable for the affected land use in Figure 5.
- 9.1-I-4 Protect especially sensitive uses, including schools, hospitals, and senior care facilities, from excessive noise, by enforcing “normally acceptable” noise level standards for these uses.
- 9.1-I-5 Discourage the use of sound walls. As a last resort, construct sound walls along highways and arterials when compatible with aesthetic concerns and neighborhood character. This would be a developer responsibility.
- 9.1-I-6 Require new noise sources to use best available control technology (BACT) to minimize noise from all sources.
- 9.1-I-7 Minimize vehicular and stationary noise sources and noise emanating from temporary activities, such as construction.

Noise Exposure

LAND USE CATEGORY	COMMUNITY NOISE EXPOSURE - Ldn or CNEL (dBA)													
	50		55		60		65		70		75		80	
Residential – Low Density Single Family, Duplex, Mobile Home														
Residential – Multi-Family														
Transient Lodging – Motel/Hotel														
Schools, Libraries, Churches, Hospitals, Nursing Homes														
Auditorium, Concert Hall, Amphitheaters														
Sports Arena, Outdoor Spectator Sports														
Playgrounds, Neighborhood Parks														



City of Yuba City Municipal Code: Title 4, Chapter 17, Section 4-17.10(e) of the Yuba City Municipal Code prohibits the operation of noise-generating construction equipment before 6:00 a.m. or after 9:00 p.m. daily, except Sunday and State or federal holidays when the prohibited time is before 8:00 a.m. and after 9:00 p.m.

3.13.6 Impact Assessment/Environmental Consequences:

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 established in the local general plan or noise ordinance, or applicable standards of other agencies?

A noise assessment titled "Environmental Noise Assessment for Hopper Venture Apartments" by Saxelby Acoustics was prepared for a previously proposed apartment development on this same site. This study was updated by the same firm for this proposal ("Brownstone Estates Noise Analysis"). A copy of that report is attached to this document as Appendix B. The report predicts that the Project will comply with Yuba City noise standards contained in the General Plan with no additional noise control measures.

b) Generation of excessive ground borne vibration or ground borne noise levels?

Construction activity can result in varying degrees of ground vibration, depending on the equipment and methods employed. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Table 4 describes the typical construction equipment vibration levels.

Table 4: Typical Construction Vibration Levels

Equipment [1]	VdB at 25 ft2
Small Bulldozer	58
Vibratory Roller	94
Jackhammer	79
Loaded Trucks	86

[1] *US Environmental Protection Agency. "Noise from Construction Equipment and Operations, Building Equipment and Home Appliances." Figure IV.H-4. 1971.*

Vibration levels of construction equipment in Table 3 are at a distance of 25 feet from the equipment. As noted above, construction activities are limited to daylight hours. Infrequent construction-related vibrations would be short-term and temporary, and operation of heavy-duty construction equipment would be intermittent throughout the day during construction. Therefore, with the short duration of grading activities associated with the Project, the approximate reduction of 6 VdB for every doubling of distance from the source, and consideration of the distance to the nearest existing residences, the temporary impact to any uses in the vicinity of the Project would be less than significant.

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

The Project is not within an airport land use plan. There are no public or private airports or airfields located in this vicinity. Therefore, this impact is not applicable to the Project.

3.14 Population and Housing

Table 3-14: Population and Housing				
Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			X	
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X

3.14.1 Environmental Setting/Affected Environment

The property is abutted on three sides by single-family residential uses. The south side borders North Colusa Frontage Road and SR 20. The Yuba City General Plan designated this 7.84 acres for office uses due to its proximity to SR 20. The proposal is to change that designation to a medium-density residential land use designation.

3.14.2 Federal Regulatory Setting

There are no federal regulations, plans, programs, or guidelines associated with population or housing that are applicable to the proposed Project.

3.14.3 State Regulatory Setting

California law (Government Code Section 65580, et seq.) requires cities and counties to include a housing element as a part of their general plan to address housing conditions and needs in the community. Housing elements are prepared approximately every eight years, following timetables set forth in the law. The housing element must identify and analyze existing and projected housing needs and "make adequate provision for the existing and projected needs of all economic segments of the community," among other requirements. The City had certified by the state its current 2021-29 Housing Element in 2022.

3.14.4 Regional Regulatory Setting

State law mandates that all cities and counties offer a portion of housing to accommodate the increasing needs of regional population growth. The statewide housing demand is determined by the California Department of Housing and Community Development (HCD), while local governments and councils of governments decide and manage their specific regional and jurisdictional housing needs and develop a regional housing needs assessment (RHNA).

In the greater Sacramento region, which includes the City of Yuba City, SACOG has the responsibility of developing and approving an RHNA and a Regional Housing Needs Plan (RHNP) every eight years (Government Code, Section 65580 et seq.). This document has a central role of distributing the allocation of housing for every county and city in the SACOG region. Housing needs are assessed for very low income, low income, moderate income, and above moderate households.

As described above, SACOG is the association of local governments that includes Yuba City, along with other jurisdictions comprising the six counties in the greater Sacramento region. In addition to preparing the Metropolitan Transportation Plan and Sustainable Communities Strategy for the region, SACOG approves the distribution of affordable housing in the region through its RHNP. SACOG also assists in planning for transit, bicycle networks, clean air and serves as the Airport Land Use Commission for the region.

3.14.5 Impact Assessment/Environmental Consequences:

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)?

As much of the surrounding area is already built-out and within the City limits, City services were previously planned and installed in this area. Any future growth in this area, including this Project, will be served by that infrastructure. The General Plan, which describes the larger overall land use pattern for the City, is the primary City planning document. Although there is a GPA proposed as part of this Project, the analysis prepared for this report determined the Project is consistent with all other portions of the General Plan. Therefore, unplanned growth resulting from this Project will not occur and as a result the potential for significant impacts from unplanned population growth.

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

No housing would be lost as part of this Project. Thus, there would be no impacts.

3.15 Public Services

Table 3.15: 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 government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i) Fire protection?			X	
ii) Police protection?			X	
iii) Schools?			X	
iv) Parks?			X	
v) Other public facilities?			X	

3.15.1 Environmental Setting/Affected Environment

Law enforcement for the proposed 54 single-family residences will be provided by the Yuba City Police Department. Fire protection is provided by the Yuba City Fire Department. Nearby parks and other urban services that may be utilized by new residents, including streets, water, sewer stormwater drainage will also be provided by Yuba City. The nearby Tierra Buena School and River Valley High School are part of the Yuba City Unified School District.

3.15.2 Federal Regulatory Setting

National Fire Protection Association: The National Fire Protection Association (NFPA) is an international nonprofit organization that provides consensus codes and standards, research, training, and education on fire prevention and public safety. The NFPA develops, publishes, and disseminates more than 300 such codes and standards intended to minimize the possibility and effects of fire and other risks. The NFPA publishes the NFPA 1, Uniform Fire Code, which provides requirements to establish a reasonable level of fire safety and property protection in new and existing buildings.

3.15.3 State Regulatory Setting

California Fire Code and Building Code: The 2013 California Fire Code (Title 24, Part 9 of the California Code of Regulations) establishes regulations to safeguard against hazards of fire, explosion, or dangerous conditions in new and existing buildings, structures, and premises. The Fire Code also establishes requirements intended to provide safety and assistance to fire fighters and emergency responders during emergency operations. The provision of the Fire Code includes regulations regarding fire-resistance rated construction, fire protection systems such as alarm and sprinkler systems, fire service features such as fire apparatus access roads, fire safety during construction and demolition, and wildland urban interface areas.

California Health and Safety Code (HSC): State fire regulations are set forth in Sections 13000 et seq. of the California HSC, which includes regulations for building standards (as set forth in the CBC), fire protection and notification systems, fire protection devices such as extinguishers, smoke alarms, childcare facility standards, and fire suppression training.

California Master Mutual Aid Agreement: The California Master Mutual Aid Agreement is a framework agreement between the State of California and local governments for aid and assistance by the interchange of services, facilities, and equipment, including but not limited to fire, police, medical and health, communication, and transportation services and facilities to cope with the problems of emergency rescue, relief, evacuation, rehabilitation, and reconstruction.

3.15.4 Impact Assessment/Environmental Consequences:

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 government 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: The Fire Department reviewed the proposal and did not express concerns. Since new development pays development impact fees intended to offset the cost of additional fire facilities and equipment costs resulting from this growth, the impacts on fire services will be less than significant.

Police Protection: The Police Department reviewed the proposal and did not express concerns. Since new development pays impact fees that intended to offset the cost of additional police facilities and equipment resulting from this growth, the impacts on police services will be less than significant.

Schools: New residential development must pay the Yuba City Unified School District adopted school impact fees that are intended to satisfy the new resident's fair share of expanded or new educational facilities needed to accommodate this new growth. Therefore, the impact on schools will be less than significant.

Parks: The City charges a park impact fee for each new residence. The fee is utilized to purchase parkland and construct and equip new parks. Therefore, the impact on parks from this Project will be less than significant.

Other Public Facilities: The Project will be connected to City water and wastewater systems. Each new residential connection to those systems must pay connection fees that are utilized for expansion of the respective treatment plants. The City also collects impact fees for County services that are provided to the new residences, such as the library system and justice system.

Accordingly, the Project will have a less than significant impact with regard to the provision of public services.

3.16 Recreation

Table 3-16: Recreation				
Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?			X	
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				X

3.16.1 Environmental Setting/Affected Environment

Yuba City has 23 City-owned parks and recreational areas, managed by the City's Parks and Recreation Department. This consists of five community parks, 15 neighborhood parks, and three passive or mini parks.

3.16.2 Federal Regulatory Setting

There are no federal regulations regarding parks and open space that are applicable to the proposed Project.

3.16.3 State Regulatory Setting

State Public Park Preservation Act: The primary instrument for protecting and preserving parkland is the Public Park Preservation Act of 1971. Under the PRC section 5400-5409, cities and counties may not acquire any real property that is in use as a public park for any non-park use unless compensation or land, or both, are provided to replace the parkland acquired. This provides no net loss of parkland and facilities.

Quimby Act: California Government Code Section 66477, referred to as the Quimby Act, permits local jurisdictions to require the dedication of land and/or the payment of in-lieu fees solely for park and recreation purposes. The required dedication and/or fee are based upon the residential density and housing type, land cost, and other factors. Land dedicated and fees collected pursuant to the Quimby Act may be used for developing new or rehabilitating existing park or recreational facilities.

3.16.4 Local Regulatory Setting

The Yuba City General Plan and the City's Parks Master Plan provide a goal of providing 5 acres of public parkland per 1,000 residents, while it also requires 1 acre of Neighborhood Park for every 1,000 residents. The City's development impact fee program collects fees for new development which is allocated for the acquisition and development of open space in the City.

3.16.5 Impact Assessment/Environmental Consequences:

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?

The residents of the proposed 54 single-family residences will have access to the City's park system, thus increasing park usage. The City, however, charges a park impact fee for each new residence, to be utilized to purchase parkland and construct new parks in proportion to growth of the community. This fee is intended to offset the impact on parks as it provides for expansion of the City's park system. Therefore, the impact on parks from this Project will be less than significant.

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?

There are no recreational facilities proposed as part of this Project.

3.17 Transportation/Traffic

Table 4-17: Transportation Recreation				
Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?			X	
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3 subdivision (b)?			X	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			X	
d) Result in inadequate emergency access?			X	

3.17.1 Federal Regulatory Setting

Federal Highway Administration: FHWA is the agency of the U.S. Department of Transportation (DOT) responsible for the Federally funded roadway system, including the interstate highway network and portions of the primary State highway network. FHWA funding is provided through the Safe, Accountable, Flexible, Efficiency Transportation Equity Act: A Legacy for Users (SAFETEA-LU). SAFETEA- LU can be used to fund local transportation improvement projects, such as projects to improve the efficiency of existing roadways, traffic signal coordination, bikeways, and transit system upgrades.

Several federal regulations govern transportation issues. They include:

- Title 49, CFR, Sections 171-177 (49 CFR 171-177), governs the transportation of hazardous materials, the types of materials defined as hazardous, and the marking of the transportation vehicles.
- Title 49 CFR 350-399, and Appendices A-G, Federal Motor Carrier Safety Regulations, address safety considerations for the transport of goods, materials, and substances over public highways.

3.17.2. State Regulatory Setting

The measurement of the impacts of a project's traffic is set by the CEQA Guidelines. Section 15064.3 of the Guidelines states that vehicle miles traveled (VMT) is the most appropriate measure of transportation impacts. VMT is a metric which refers to the amount of distance of automobile traffic that is generated by a project. Per the Guidelines "Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact." "Projects that decrease vehicle miles traveled compared to existing conditions should be presumed to have a less than significant environmental impact."

The CEQA Guidelines also states that the lead agency (Yuba City) may "choose the most appropriate methodology to evaluate a project's vehicle miles traveled …". As this is a new form of calculating significant traffic events, the City has not yet determined its own methodology to calculate levels of significance for VMT. Until that methodology is determined, for purposes of this initial study the

information provided by the Sacramento Council of Governments (SACOG) and the CA Office of Planning and Research is utilized. A review of these studies indicates several factors that may be utilized for determining levels of significance. One is that if the project will generate less than 110 vehicle trips per day, it is assumed that with the small size of the project, the impact is less than significant. A second criteria is that for a project, on a per capita or per employee basis, the VMT will be at least 15 percent below that of existing development is a reasonable threshold for determining significance.

As this is a new methodology, future projects may utilize different criterion as they become available.

3.17.3. Impact Assessment/Environmental Consequences:

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

The Project will be accessed from Hooper Road on the west, and El Margarita Road on the east. Hooper Road is designated as a collector street by the General Plan. El Margarita Road is considered to be a local street.

Prior to this proposed tentative subdivision map to create 54 single-family residential lots, a request to develop 138 multiple-family residences was proposed for this same property. A traffic study was prepared for the previous multiple-family proposal (KD Anderson & Associates, Inc and updated by Flecker and Associates in July 2023) (Traffic Study). A follow-up memo (letter from Flecker Associates, July 29, 2024) states that the revised proposal for 54 residences offers a significant trip reduction when compared to the previously proposed apartments, as provided in Table 5, below (the Flecker and Associates studies are provided as Appendix C.)

Table 5: Trip Reduction from Previous to Present Project

	Estimated Total Daily Vehicle Trips	Estimated A.M Peak Hour Trips	Estimated P.M Peak Hour Trips
Previous 138-unit apartment proposal	930	55	70
Current 54 single-family residence proposal	509	38	51
Expected Percent Reduction	45%	31%	27%

The newest traffic memo utilized standard traffic generation statistics, which assumes that each residence will generate on average 9.43 vehicle trips per day (a trip is considered a single direction). The Project will generate an estimated 509 vehicle trips per day, an overall 45% traffic reduction when compared to the previous apartment proposal. The Traffic Study disaggregates those trips by assuming that the largest percentage of new traffic will travel east (38%), followed by southbound trips (29%), north (24%) and west (8%). The following are the conclusions made for the original apartment proposal and, according to the Public Works Department, remain valid.

Regarding Project impacts on multi-modal facilities, which includes transit, bicycle, and pedestrian facilities: The Traffic Study concludes that the Project is consistent with all City multi-modal facility policies and standards. The impacts will be less than significant.

Regarding policies and programs for roadways: Yuba City General Plan Policy 5.2-1-12 (Traffic Level of Service or LOS) was reviewed as to whether the Project is consistent with that policy. This policy requires that most City streets that are identified in the General Plan as a collector or larger should operate at LOS D or better. This policy does applies to the Hooper Road and Colusa Frontage Road. Those streets are in compliance with the policy. State Highway intersections, such as SR 20/George Washington Blvd., are exempted from the policy. As such, the proposal is consistent with General Plan policies regarding LOS, making the impacts on traffic and transportation are less than significant.

Even though there will be a trip reduction by the newer Project, compared to the previous apartment proposal, the previous traffic study was utilized for this review and the same mitigation is applied. The previous Traffic Study identified an issue the SR 20/George Washington Blvd. intersection for which a mitigation is proposed helps to reduce the impact on that intersection. For the North Colusa Frontage Road/George Washington Boulevard intersection, under cumulative conditions without the Project, the LOS is F during the a.m. peak hour and LOS E during the p.m. peak hour. This is primarily due to inadequate queuing distances. Per the Traffic Study, this intersection is adversely influenced by the poor operation of the nearby State operated SR 20/George Washington Boulevard intersection. The Project will not further decrease the LOS levels at N. Colusa Frontage Road/George Washington Boulevard intersection but will somewhat increase the delays, especially for the a.m. peak hour.

There are no improvements currently proposed at these two nearby intersections. The Traffic Study does, however, recommend a mitigation that, may reduce the impact. Per the Traffic Study, much of the problem is caused by westbound traffic on the North Colusa Frontage Road. Even though a "STOP AHEAD" sign already exists, as traffic backs up, some rear-end collisions have occurred. The Traffic Study proposes a mitigation that an advance flashing beacon be installed for westbound North Colusa Frontage Road traffic to warn of the potential upcoming traffic delay. This recommended mitigation measure is provided below.

b) Conflict or be inconsistent with CEQA Guidelines section 15064.3 subdivision (b)?

This CEQA section describes specific considerations for evaluating a project's transportation impacts in terms of Vehicle Miles Traveled (VMT). SACOG, in "Technical Advisory: On Evaluating Transportation Impacts in CEQA" provides two criteria for which if the Project meets either of them, the traffic impacts are considered less than significant. One criterion is that the Project generates less than 110 vehicle trips per day is considered to be less than a significant impact. The Project will exceed this criterion, so it is not considered any further in this review. The second criterion is that if a project, on a per capita or per employee basis, the VMT will be at least 15 percent below that of existing development is a reasonable threshold for determining significance. SACOG also has released a draft document (SB 743 regional screening maps) that provides mapping data indicating the average miles traveled for different areas within and around Yuba City. The range of the categories are:

Less than 50% of regional average.
50-85% of regional average.
85-100% of the regional average.
115-150% of the regional average.
More than 150% of the regional average.

Per the SACOG maps for the Project area, the estimated average vehicle distance traveled per residence is in the 50-85% range of the norm. In other words, per the SACOG regional screening maps this Project is located in an area that meets the 15 percent vehicle trip reduction criteria. Thus, the transportation

impacts from this subdivision are consistent with CEQA Guidelines Section 15063.4(b) and it follows that the traffic impacts generated by this Project are considered to be less than significant.

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

The Traffic Study concludes that proposed improvements to public streets are consistent with Yuba City design standards. However, the Traffic Study also concludes that the development will increase traffic on the North Colusa Frontage Road where rear end collisions have occurred nearer the intersection with George Washington Blvd, as discussed in a) above. Even though a "STOP AHEAD" sign already exists, the Traffic Study recommends that a mitigation measure be applied that a flashing beacon sign be installed. A recommended mitigation measure to that effect is provided below.

The Project does not introduce any incompatible users (e.g., farm equipment) to a roadway or transportation facility not intended for those users.

d) Result in inadequate emergency access?

The Fire and Police Departments have reviewed the Project plans and did not express concerns about emergency access to the property.

3.17.4 Transportation/Traffic Mitigation Measure

Traffic Mitigation Measure 1: The Project proponents shall provide funds for an advance flashing beacon on westbound N. Colusa Frontage Road, to be installed by the City of Yuba City when deemed necessary by the City.

3.18 Tribal Cultural Resources

Table 3-18: Tribal Cultural Resources				
	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project cause of substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or			X	
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.		X		

3.18.1 Environmental Setting/Affected Environment

This section describes the affected environment and regulatory setting for Tribal Cultural Resources (TCRs). The following analysis of the potential environmental impacts related to TCRs is derived primarily from the Environmental Impact Report for the City of Yuba City General Plan (2004) and consultation with the California Native American tribes under Assembly Bill 52 and Senate Bill 18.

3.18.2 State Regulatory Setting

Assembly Bill 52: Effective July 1, 2015, Assembly Bill 52 (AB 52) amended CEQA to require that: 1) a lead agency provide notice to any California Native American tribes that have requested notice of projects proposed by the lead agency; and 2) for any tribe that responded to the notice within 30 days of receipt with a request for consultation, the lead agency must consult with the tribe. Topics that may be addressed during consultation include TCRs, the potential significance of project impacts, type of environmental document that should be prepared, and possible mitigation measures and project alternatives.

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

Section 21074(a) of the Public Resource Code defines TCRs for the purpose of CEQA as:

1) Sites, features, places, cultural landscapes (geographically defined in terms of the size and scope), sacred places, and objects with cultural value to a California Native American tribe that are either of the following:

   a. included or determined to be eligible for inclusion in the California Register of Historical Resources; and/or

   b. included in a local register of historical resources as defined in subdivision (k) of Section 5020.1; and/or

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

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

Recognizing that California tribes are experts in their TCRs and heritage, AB 52 requires that CEQA lead agencies initiate consultation with tribes at the commencement of the CEQA process to identify TCRs. Furthermore, because a significant effect on a TCR is considered a significant impact on the environment under CEQA, consultation is required to develop appropriate avoidance, impact minimization, and mitigation measures.

Senate Bill 18: Effective since March 2005, this bill requires city and county governments to consult with California Native American tribes early in the planning process with the intent of protecting traditional tribal cultural places. The purpose of involving the tribes at the early stage of planning efforts is to allow consideration of tribal cultural places in context of broad local land use policy before project-level land use decisions are made by a local government. As such, SB 18 applies to the adoption or amendment of general or specific plans. As the later adopted AB 52 provides for a similar review process for all discretionary reviews including general plan amendments and specific plan amendments, for purposes of this study the provisions of SB 18 fall within the SB 52 review process.

3.18.3 Cultural Setting

The Nisenan (also referred to as Southern Maidu) inhabited the General Plan area prior to large-scale European and Euroamerican settlement of the surrounding area. Nisenan territory comprised the drainages of the Yuba, Bear, and American Rivers, and the lower drainages of the Feather River. The Nisenan, together with the Maidu and Konkow, their northern neighbors, form the Maiduan language family of the Penutian linguistic stock (Shipley 1978:89). Kroeber (1976:392) noted three dialects: Northern Hill Nisenan, Southern Hill Nisenan, and Valley Nisenan. Although cultural descriptions of this group in the English language are known from as early as 1849, most of our current cultural knowledge comes from various anthropologists in the early part of the 20th century (Levy 1978:413; Wilson and Towne 1978:397).

The basic subsistence strategy of the Nisenan was seasonally mobile hunting and gathering. Acorns, the primary staple of the Nisenan diet, were gathered in the valley along with seeds, buckeye, salmon, insects, and a wide variety of other plants and animals. During the warmer months, people moved to mountainous areas to hunt and collect food resources, such as pine nuts. Bedrock and portable mortars and pestles were used to process acorns. Nisenan settlement patterns were oriented to major river

drainages and tributaries. In the foothills and lower Sierra Nevada, Nisenan located their villages in large flats or ridges near major streams. These villages tended to be smaller than the villages in the valley. (Wilson and Towne 1978:389–390.)

Trade provided other valuable resources that were not normally available in the Nisenan environment. The Valley Nisenan received black acorns, pine nuts, manzanita berries, skins, bows, and bow wood from the Hill Nisenan to their east, in exchange for fish, roots, grasses, shells, beads, salt, and feathers (Wilson and Towne 1978). To obtain, process, and utilize these material resources, the Nisenan had an array of tools to assist them. Wooden digging sticks, poles for shaking acorns loose, and baskets of primarily willow and redbud were used to gather vegetal resources. Stone mortars and pestles were used to process many of the vegetal foods; baskets, heated stones, and wooden stirring sticks were used for cooking. Basalt and obsidian were primary stone materials used for making knives, arrow and spear points, clubs, arrow straighteners, and scrapers. (Wilson and Towne 1978.)

Nisenan settlement locations depended primarily on elevation, exposure, and proximity to water and other resources. Permanent villages were usually located on low rises along major watercourses. Village size ranged from three houses to 40 or 50 houses. Larger villages often had semi-subterranean dance houses that were covered in earth and tule or brush and had a central smoke hole at the top and an entrance that faced east (Wilson and Towne 1978:388).Early Nisenan contact with Europeans appears to have been limited to the southern reaches of their territory. Spanish expeditions intruded into Nisenan territory in the early 1800s. In the two or three years following the gold discovery, Nisenan territory was overrun by immigrants from all over the world. Gold seekers and the settlements that sprang up to support them were nearly fatal to the native inhabitants. Survivors worked as wage laborers and domestic help and lived on the edges of foothill towns. Despite severe depredations, descendants of the Nisenan still live in their original land area and maintain and pass on their cultural identity.

3.18.4 Summary of Native American Consultation

AB 52 and SB 18 requires lead agencies to analyze Project impacts on “tribal cultural resources” separately from archaeological resources (PRC § 21074; 21083.09). AB 52 also requires lead agencies to engage in additional consultation procedures with respect to California Native American tribes (PRC § 21080.3.1, 21080.3.2, 21082.3). In response to AB 52, the City supplied the following Native American tribes with a Project description and map of the proposed Project area and a request for comments:

- United Auburn Indian Community of the Auburn Rancheria
- Yocha Dehe Wintun Nation
- Estom Yomeka Maidu Tribe of the Enterprise Rancheria
- Mechoopda Indian Tribe
- Pakan’yani Maidu of Strawberry Valley
- Mooretown Rancheria of Maidu Indians
- Ione Band of Miwok Indians

3.18.5 Thresholds of Significance

AB 52 established that a substantial adverse change to a TCR has a significant effect on the environment. The thresholds of significance for impacts to TCRs are as follows:

Would the Project cause a substantial adverse change to a TCR, defined in Section 21074 as sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a Native American tribe that are:

- Included or determined to be eligible for inclusion in the California Register of Historical Resources;
- Included in a local register of historical resources as defined in subdivision k of Section 5010.1; and/or
- Determined by the City to be significant, as supported by substantial evidence, including:
    - A cultural landscape with a geographically defined boundary;
    - A historical resource as described in Section 21084.1 (either eligible for or listed on the California Register of Historical Resources or listed on a local registry);
    - A unique archaeological resource as defined in Section 21083.2; and/or
    - A non-unique archaeological resource as defined in Section 21083.2.

In assessing substantial adverse change, the City must determine whether or not the project will adversely affect the qualities of the resource that convey its significance. The qualities are expressed through integrity. Integrity of a resource is evaluated with regard to the retention of location, design, setting, materials, workmanship, feeling, and association [CCR Title 14, Section 4852(c)]. Impacts are significant if the resource is demolished or destroyed or if the characteristics that made the resource eligible are materially impaired [CCR Title 14, Section 15064.5(a)]. Accordingly, impacts to a TCR would likely be significant if the project negatively affects the qualities of integrity that made it significant in the first place. In making this determination, the City need only address the aspects of integrity that are important to the TCR's significance.

3.18.6 Impact Assessment/Environmental Consequences:

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

All of the original buildings and structures on the property were removed and the property cleared as part of another project that developed other portions of the property. The environmental review for that previous project did not identify any important historical resources on the property. Therefore, the impacts on any historical resources will be less than significant.

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

The City solicited consultation with culturally affiliated California Native American tribes (regarding the proposed Project in accordance with AB 52 and AB 18). No comments were received. As such the "Unanticipated Discoveries" mitigation is utilized since there still remains the potential for previously unknown sub-surface resources to be present. In order to avoid potential impacts to unknown remains, the mitigation measure is provided below to ensure impacts on tribal cultural resources are less than significant.

Measure provided below would reduce the potential impacts to a less than significant level.

3.18.7 Tribal Cultural Mitigation Measures

Tribal Cultural Resources Mitigation 1: Unanticipated Discoveries: If any suspected TCRs are discovered during ground disturbing construction activities, all work shall cease within 100 feet of the find, or an agreed upon distance based on the project area and nature of the find. A Tribal Representative from a California Native American Tribe that is traditionally and culturally affiliated with a geographic area shall be immediately notified and shall determine if the find is a TCR (PRC 21074). The Tribal Representative will make recommendations for further evaluation and treatment as necessary.

Preservation in place is the preferred alternative under CEQA and UAIC protocols, and every effort must be made to preserve the resources in place, including through project redesign. Culturally appropriate treatment may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, returning objects to a location within the project area where they will not be subject to future impacts. The Tribe does not consider curation of TCR's to be appropriate or respectful and request that materials not be permanently curated, unless approved by the Tribe.

The contractor shall implement any measures deemed by the CEQA lead agency to be necessary and feasible to preserve in place, avoid, or minimize impacts to the resource, including but limited to, facilitating the appropriate tribal treatment of the find, as necessary. Treatment that preserves or restores the cultural character and integrity of a Tribal Cultural Resource may include Tribal monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects or cultural soil.

Work at the discovery location cannot resume until all necessary investigation and evaluation of the discovery under the requirements of CEQA, including AB 523 has been satisfied.

3.19 Utilities and Service Systems

Table 3-19: 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 or wastewater treatment or storm drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			X	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?			X	
c) Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the projected demand in addition to the existing commitments?			X	
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			X	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			X	

3.19.1 Environmental Setting/Affected Environment

Wastewater:

Yuba City owns, operates, and maintains the wastewater collection, treatment, and disposal system that provides sewer service to approximately 60,000 residents and numerous businesses. The remainder of the residents and businesses in the Yuba City Sphere of Influence (SOI) are currently serviced by private septic systems. In the early 1970s, the City's original sewage treatment plant was abandoned, and the current Wastewater Treatment Facility (WWTF) was constructed.

Water:

The water supply source for the City is surface water from the Feather River with use of a backup groundwater well. The City of Yuba City is a public water agency with approximately 18,045 connections. City policy only allows areas within the City limits to be served by the surface water system.

Reuse and Recycling:

Solid waste generated in Yuba City is collected by Recology Yuba-Sutter. Recology offers residential, commercial, industrial, electronic, and hazardous waste collection, processing, recycling, and disposal, as well as construction and demolition waste processing, diversion, and transfer to a disposal facility. The

City's municipal solid waste is delivered to the Ostrom Road Landfill; a State-permitted solid waste facility that provides a full range of transfer and diversion services. As of June 2021, the Recology Ostrom Road Landfill Remaining Site Net Airspace is 33,764,000 cy; and has a remaining capacity of 21,297,000 tons; and remaining landfill service life is 53 years.

3.19.2 Federal Regulatory Setting

National Pollutant Discharge Elimination System: Discharge of treated wastewater to surface water(s) of the U.S., including wetlands, requires an NPDES permit. In California, the RWQCB administers the issuance of these federal permits. Obtaining a NPDES permit requires preparation of detailed information, including characterization of wastewater sources, treatment processes, and effluent quality. Any future development that exceeds one acre in size would be required to comply with NPDES criteria, including preparation of a Stormwater Pollution Prevention Plan (SWPPP) and the inclusion of BMPs to control erosion and offsite transport of soils.

3.19.3 State Regulatory Setting

State Water Resources Control Board (SWRCB): Waste Discharge Requirements Program. State regulations pertaining to the treatment, storage, processing, or disposal of solid waste are found in Title 27, CCR, Section 20005 et seq. (hereafter Title 27). 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. Several programs are administered under the WDR Program, including the Sanitary Sewer Order and recycled water programs.

Department of Resources Recycling and Recovery (CalRecycle): The Department of Resources Recycling and Recovery (CalRecycle) is the State agency designated to oversee, manage, and track the 76 million tons of waste generated each year in California. CalRecycle develops laws and regulations to control and manage waste, for which enforcement authority is typically delegated to the local government. The board works jointly with local government to implement regulations and fund programs.

The Integrated Waste Management Act of 1989 (PRC 40050 et seq. or Assembly Bill (AB 939, codified in PRC 40000), administered by CalRecycle, requires all local and county governments to adopt a Source Reduction and Recycling Element to identify means of reducing the amount of solid waste sent to landfills. This law set reduction targets at 25 percent by the year 1995 and 50 percent by the year 2000. To assist local jurisdictions in achieving these targets, the California Solid Waste Reuse and Recycling Access Act of 1991 requires all new developments to include adequate, accessible, and convenient areas for collecting and loading recyclable and green waste materials.

Regional Water Quality Control Boards: The primary responsibility for the protection of water quality in California rests with the State Water Resources Control Board (State Board) and nine Regional Water Quality Control Boards. The State Board sets statewide policy for the implementation of state and federal laws and regulations. The Regional Boards adopt and implement Water Quality Control Plans (Basin Plans), which recognize regional differences in natural water quality, actual and potential beneficial uses, and water quality problems associated with human activities.

National Pollutant Discharge Elimination System (NPDES) Permit: As authorized by the Clean Water Act (CWA), the National Pollutant Discharge Elimination System (NPDES) Permit Program controls water pollution by regulating point sources that discharge pollutants into water of the United States. In California, it is the responsibility of Regional Water Quality Control Boards (RWQCB) to preserve and enhance the quality of the state's waters through the development of water quality control plans and the issuance of waste discharge requirements (WDRs). WDRs for discharges to surface waters also serve as NPDES permits.

California Department of Water Resources: The California Department of Water Resources (DWR) is a department within the California Resources Agency. The DWR is responsible for the State of California's management and regulation of water usage.

3.19.4 Impact Assessment/Environmental Consequences:

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

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

All proposed 54 single-family residences will connect to both the City's water and wastewater treatment systems. The Yuba City Wastewater Treatment Facility (WWTF) has available capacity to accommodate new growth. The WWTF current permitted capacity is 10.5 mgd (annual average dry weather flow). The existing average influent flow to the WWTF is approximately 6 mgd. The remaining treatment capacity at the WWTF can be used to accommodate additional flow from the future developments.

The City's Water Treatment plant (WTP), for which its primary source of water is from the Feather River, also has adequate capacity to accommodate this project. The WTP uses two types of treatment systems, conventional and membrane treatment. The permitted capacity of the conventional WTP is 24 million gallons per day (mgd). The membrane treatment system has a permitted capacity of 12 mgd. Water produced from the conventional and the membrane treatment plants are blended for chlorine disinfection. Operating the conventional and membrane treatment facilities provides a total WTP capacity of 36 mgd. The City is permitted to draw 30 mgd from the Feather River. The current maximum day use is 26 mgd. The City also has an on-site water well at the water plant that supplements the surface water when needed.

For both facilities there are City adopted master plans to expand those plants to the extent that they will accommodate the overall growth of the City.

The ongoing expansions of those plants to accommodate growth beyond this Project are funded by the connection fees paid by each new connection. Therefore, the impact on the water and wastewater treatment facilities will be less than significant.

Stormwater drainage in this area is provided by a combination of Yuba City drainage lines and the Sutter County Water agency which maintains the Live Oak Canal System. As the Sutter County Water Agency did not comment on the Project, the impacts on the stormwater drainage system will be less than significant.

The extension of electric power facilities, natural gas facilities and telecommunication facilities are provided by private companies, none of which have voiced concerns over the extensions of their services

to this Project site. With these considerations the impact on these types of facilities are expected to be less than significant.

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

See Parts a) and b), above.

d) *Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals.*

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

Recology Yuba-Sutter provides solid waste disposal for the area as well as for all of Sutter and Yuba Counties. There is adequate collection and landfill capacity to accommodate the proposed development.

3.20 Wildfire

Table 3-20: 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?			X	
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?			X	
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?			X	
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?			X	

3.20.1 Environmental Setting/Affected Environment

Wildland fires are an annual hazard in Sutter County, particularly in the vicinity of the Sutter Buttes, and, to a lesser degree due to urbanized development, Yuba City. Wildland fires burn natural vegetation on undeveloped lands and include rangeland, brush, and grass fires. Long, hot, and dry summers with

temperatures often exceeding 100°F add to the County's fire hazard. Human activities are the major causes of wildland fires, while lightning causes the remaining wildland fires. Irrigated agricultural areas, which tend to surround Yuba City, are considered a low hazard for wildland fires.

The California Department of Forestry and Fire Protection's Fire and Resource Assessment Program identifies fire threat based on a combination of two factors: 1) fire frequency, or the likelihood of a given area burning, and 2) potential fire behavior (hazard). These two factors are combined in determining the following Fire Hazard Severity Zones: Moderate, High, Very High, Extreme. These zones apply to areas designated as State Responsibility Areas – areas in which the State has primary firefighting responsibility. The Project site is not within a State Responsibility Area and therefore has not been placed in a Fire Hazard Severity Zone.

3.20.2 Impact Assessment/ Environmental Consequences

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

As discussed in Section 3.17 of this Initial Study, any construction that would result from this Project is not expected to substantially obstruct emergency vehicles or any evacuations that may occur in the area. Therefore, the impacts of the Project related to emergency response or evacuations would be less than significant.

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?

The Project site is within the Yuba City urban area that has little to no native vegetation remaining, and the Yuba City urban area is surrounded by irrigated farmland. This type of environment is generally not subject to wildfires. In light of this, the exposure of new residents to wildfire is less than significant.

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?

As discussed above, the site is not near any wildland areas and the Project itself will not create any improvements that potentially could generate wildfire conditions. As such the Project will not be constructing or maintaining wildfire related infrastructure such as fire breaks, emergency water sources, etc. Thus, the Project will not create any potential significant impacts that could result from these types of improvements.

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?

The Project site is in a topographically flat area. There are no streams or other channels that cross the site. As such, it is not expected that people or structures would be exposed to significant risks from changes resulting from fires in steeper areas, including downslope or downstream flooding or landslides. Impacts from the Project related to these issues would be less than significant.

3.21 Mandatory Findings of Significance

Table 3.21: Mandatory Findings of Significance				
Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number, or restrict the range of a rare or endangered plant or animal or eliminate important example of the major periods of California history or prehistory?			X	
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)			X	
c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

3.21.1 Impact Assessment/Environmental Consequences:

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

The land was stripped many years ago of native vegetation, and currently is within the urban area, with new construction around the site. Due to more recent land clearing, the site contains little plant or animal habitat value. There are no on-site or nearby water courses or wetland areas. Therefore the Project will not significantly degrade the quality of the natural environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate an important example of the major periods of California history or prehistory.

The analysis conducted in this Initial Study/Mitigated Negative Declaration, along with the proposed mitigation measures, results in a determination that the proposed Project, with its mitigation measures, will have a less than significant effect on the local environment.

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)

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 a 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.

This amendment to the Land Use Element of the General Plan was compared to policies in other elements of the General Plan. As such the traffic generated by the proposed residential subdivision is consistent with what was anticipated in the General Plan. The City has adequate water and wastewater capacity, and the Project will be extending those services to the site. Stormwater drainage will also meet all City standards. Due to the small size of the development and its urban location, the loss of agricultural land is less than significant based on City and County agricultural protection program where the loss is limited to within the urban areas of the cities which is a minor portion of the entire County. The Yuba City Unified School District has not indicated that they lack capacity to provide proper educational facilities to the new students. Regarding air quality impacts the Project's 54 single-family residential lots are fewer than what the FRAQMD Indirect Source Review Guidelines consider the threshold for significance. Combined with the FRAQMD recommended mitigations, the air quality impacts will be less than significant.

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

The proposed Project in and of itself would not create a significant hazard to the public or the environment. Construction-related air quality, noise, and hazardous materials exposure impacts would occur for a very short period and only be a minor impact during that time period. Therefore, the proposed Project would not have any direct or indirect significant adverse impacts on humans.

4 Section References and/or Incorporated by Reference

According to Section 15150 of the CEQA Guidelines, an ND may incorporate by reference all or portions of another document that is a matter of public record. The incorporated language will be considered to be set forth in full as part of the text of the ND. All documents incorporated by reference are available for review at, or can be obtained through, the City of Yuba City Development Services Department located at the address provided above. The following documents are incorporated by reference:

Bole and Associates, Phase 1 Environmental Site Assessment for Henson Ranch, August 16, 2021.

Flecker Associates, Trip Generation Analysis – Brownstone Estates (Formerly Henson Apartments), Yuba City, CA, July 29, 2024.

Flecker Associates, Transportation Impact Analysis For Henson Ranch Apartments, April 21, 2023.

KD Anderson & Associates, Inc., Transportation Impact Analysis For Henson Ranch Apartments, July 11, 2022.

Saxelby Acoustics LLC, Environmental Noise Assessment – Brownstone Estates, August 13, 2024.

Saxelby Acoustics LLC, Environmental Noise Assessment for Hooper Venture Apartments, August 12, 2022.

Fehr & Peers, Inc. September 2020. SB 743 Implementation Guidelines for City of Yuba City.

Governor's Office of Planning and Research, November 2017. Technical Advisory on Evaluating Transportation Impacts in CEQA.

Sacramento Area Council of Governments. Hex Maps. Work VMT-2020 MTP/SCS (Adopted).

California Department of Conservation, Division of Land Resource Protection (CDC DLRP). 2014. Farmland Mapping and Monitoring Program – Sutter County Important Farmland 2012. August 2014.

Feather River Air Quality Management District (FRAQMD) Indirect Source Review Guidelines, June 7, 2010.

California Department of Conservation, Division of Land Resource Protection (CDC DLRP). 2013. Sutter County Williamson Act FY 2013/2014.

Carollo. 2011. City of Yuba City 2010 Urban Water Management Plan. June 2011.

Yuba City, City of. 2016. City of Yuba City Municipal Code.
https://www.municode.com/library/ca/yuba_city/codes/code_of_ordinances

Dyett & Bhatia. 2004. City of Yuba City General Plan. Adopted April 8, 2004.

Yuba City General Plan, 2004 Environmental Impact Report. (SCH #2001072105).

Fehr & Peers Associates, Inc. 1995. Yuba-Sutter Bikeway Master Plan. December 1995.

"Determination of 1-in-200 Year Floodplain for Yuba City Urban Level of Flood Protection Determination," prepared for Yuba City by MBK Engineers, November 2015.

Sutter County General Plan.

Yuba Sutter Transit Route Map.

California Department of Conservation, California Geological Survey. "Fault Zone Activity Map." Alquist-Priolo Earthquake Fault Zones.

California Department of Toxic Substances Control (DTSC). 2016. EnviroStor. Available at http://www.envirostor.dtsc.ca.gov/public/

California Department of Conservation, Division of Land Resource Protection Farmland Mapping and Monitoring Program – Sutter County Important Farmland Map.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Maps.

Carollo. 2011. City of Yuba City 2010 Urban Water Management Plan. June 2011.

City of Yuba City Wastewater Master Plan.

Sutter County Airport Comprehensive Land Use Plan, April 1994.

Yuba County Airport Land Use Compatibility Plan, Sept. 2010.

California Department of Transportation (Caltrans). 2011. California Scenic Highway Mapping System website. Updated September 7, 2011. Available at http://dot.ca.gov/hq/LandArch/16_livability/scenic_highways/index.htm

City of Yuba City
MITIGATION MEASURES AND MONITORING PLAN
Brownstone Estates
Initial Study and Mitigated Negative Declaration EA 24-10
For General Plan Amendment 24-03, Rezoning PD_{19}, and Tentative Subdivision Map 24-04

Impact	Mitigation Measure	Responsible Party	Timing
3.3 Air Quality	**Air Quality Mitigation Measure 1:** Apply the following criteria: 1. Implement the Fugitive Dust Control Plan. 2. Construction equipment exhaust emissions shall not exceed FRAQMD Regulation III, Rule 3.0, Visible Emissions limitations (40 percent opacity or Ringelmann 2.0). 3. The contractor shall be responsible to ensure that all construction equipment is properly tuned and maintained prior to and during the duration of on-site operation. 4. Limiting idling time to 5 minutes – saves fuel and reduces emissions. (State idling rule: commercial diesel vehicles – 13 CCR Chapter 10 Section 2485 effective 02/01/2005; offroad diesel vehicles – 13 CCR Chapter 9 Article 4.8 Section 2449 effective 05/01/2008). 5. Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators. 6. Develop a traffic plan to minimize traffic flow interference from construction activities. The plan may include advance public notice of routing, use of public transportation, and satellite parking areas with a shuttle service. Schedule operations affecting traffic for off-peak hours. Minimize obstruction of through traffic lanes. Provide a flag person to guide traffic properly and ensure safety at construction sites. 7. Portable engines and portable engine-driven equipment units used at the project work site, with the exception of on-road and off-road motor vehicles,	FRAQMD	During construction phase

	may require California Air Resources Board (ARB) Portable Equipment Registration with State or a local district permit. The owner/operator shall be responsible for arranging appropriate consultations with the ARB or the District to determine registration and permitting requirements prior to equipment operation at the site.		
3.7 Geology and Soils	**Paleontological Mitigation Measure 1:** This Mitigation Measure shall be placed as a note on the Demolition and Grading Plans. If paleontological resources are found, the construction manager shall halt all activity and immediately contact the Development Services Department at 530-822-4700. Mitigation shall be conducted as follows: 1. Identify and evaluate paleontological resources by intense field survey where impacts are considered high; 2. Assess effects on identified sites; 3. Consult with the institutional/academic paleontologists conducting research investigations within the geological formations that are slated to be impacted; 4. Obtain comments from the researchers; 5. Comply with researchers' recommendations to address any significant adverse effects were determined by the City to be feasible. In considering any suggested mitigation proposed by the consulting paleontologist, the City's Community Development Department Staff shall determine whether avoidance is necessary and feasible in light of factors such as the nature of the find, project design, costs, Specific or General Plan policies and land use assumptions, and other considerations. If avoidance is unnecessary or infeasible, other appropriate measures (e.g., data recovery) shall be instituted. Work may proceed on other parts of the project site while mitigation for paleontological resources is carried out.	Developer, Public Works Dept., Development Services Dept.	During construction phase
3.8. Greenhouse Gases	**Greenhouse Gas Mitigation 1:** The site grading and construction of the self-storage facility shall comply with the GHG Reduction Measures provided in the adopted Yuba City Resource Efficiency Plan.	Development Services Dept.	Prior to issuance of building permits.

3.17 Transportation/ Traffic	**Traffic Mitigation Measure 1**: The Project proponents shall provide funds for an advance flashing beacon on westbound N. Colusa Frontage Road, to be installed by the City of Yuba City when deemed necessary by the City.	Public Works Dept.	Prior to recording of final map
3.18. Tribal Cultural Resources	**Tribal Cultural Resources Mitigation 1: Unanticipated Discoveries:** If any suspected TCRs are discovered during ground disturbing construction activities, all work shall cease within 100 feet of the find, or an agreed upon distance based on the project area and nature of the find. A Tribal Representative from a California Native American Tribe that is traditionally and culturally affiliated with a geographic area shall be immediately notified and shall determine if the find is a TCR (PRC 21074). The Tribal Representative will make recommendations for further evaluation and treatment as necessary. Preservation in place is the preferred alternative under CEQA and UAIC protocols, and every effort must be made to preserve the resources in place, including through project redesign. Culturally appropriate treatment may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, returning objects to a location within the project area where they will not be subject to future impacts. The Tribe does not consider curation of TCR's to be appropriate or respectful and request that materials not be permanently curated, unless approved by the Tribe. The contractor shall implement any measures deemed by the CEQA lead agency to be necessary and feasible to preserve in place, avoid, or minimize impacts to the resource, including but limited to, facilitating the appropriate tribal treatment of the find, as necessary. Treatment that preserves or restores the cultural character and integrity of a Tribal Cultural Resource may include Tribal monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects or cultural soil. Work at the discovery location cannot resume until all necessary investigation and evaluation of the discovery under the requirements of CEQA, including AB 523 has been satisfied.	Developer, Public Works Dept., Development Services Dept.	During construction phase

Appendix A

PHASE I ENVIRONMENTAL SITE ASSESSMENT

For

Henson Ranch

2665 &2689 Colusa Highway & 1139 Hooper Road

Yuba City, CA 95993

(APNs 62-082-009, -011, -014, & 015)

By

Marcus H. Bole & Associates

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Henson Ranch
2665 & 2689 Colusa Highway & 1139 Hooper Road
Yuba City, CA 95993
APNs 62-082-009, -011, -014 & -015



Prepared for

Westmark Partners, LP
4624 Duckhorn Drive
Sacramento, CA 95834

Prepared by

BOLE & ASSOCIATES
ENVIRONMENTAL CONSULTANTS

104 Brock Drive
Wheatland, CA 95692

August 16, 2021

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1. Summary

Marcus H. Bole & Associates has performed the Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitation of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments E 1527-13, and the Environmental Protection Agency Standards and Practices for All Appropriate Inquires (AAI) (40 CFR § 312.20) for the subject property identified as APN 62-082-009, 62-082-011, 62-082-014 & 62-082-015, located at 2665 & 2689 Colusa Highway and 1139 Hooper Road, Yuba City, CA 95993. Any exceptions to, or deletions from this practice are described in Section 2.4 of this report. The Phase I Environmental Site Assessment is designed to provide the Texas Valley Holdings, Inc. with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property. The property was listed in the following federal or state databases in the Radius Map™ provided by Environmental Data Resources®: RCRA NonGen/NLR, FINDS, ECHO and HWTS dealing with walnut orchard operations. There are no violations on record for the Henson Ranch's use, storage and disposal of small quantities of hazardous materials including EPA approved agricultural chemicals. The residence located at 1139 Hooper Road is not part of this project. The orchards associated with the address of 1139 Hooper Road are part of this project and have been evaluated along with the properties located at 2665 and 2689 Colusa Highway.

The 25.14-acre Henson Ranch consists of Sutter County Assessor Parcels (APNs) 62-082-009 (0.780-acres) zoned Industrial with walnut and almond processing equipment; 62-082-014 (0.780-acres) zoned Industrial with walnut and almond processing equipment; 62-082-015 (14.160-acres) zoned Agricultural with residences, storage buildings, and walnut orchards; and 62-082-011 (9.420-acres) zoned Agricultural with walnut orchards. The ranch currently supports walnut orchards, two private single-family residences, buildings supporting the drying and processing of agricultural walnuts and almonds, and approximately 18 acres of walnut trees. Marcus H. Bole & Associates (MHBA) performed a reconnaissance of the subject property on August 9, 2021. The purpose of the reconnaissance was to observe existing property conditions and to obtain information indicating the possible presence of recognized environmental conditions (RECs) in connection with the subject property. Environmental Data Resources, Inc. (EDR) was contracted to provide a database search of public lists of sites that generate, store, treat or dispose of hazardous materials or sites for which a release or incident has occurred. The EDR search was conducted for the subject property and includes data from surrounding sites within the ASTM E-1527-13 search distances of the subject property. The property was listed in serval databases that deal with the storage, use and disposal of small quantities of agricultural and industrial chemicals. There are no violations on record for the storage, use or disposal of these chemicals. Three unused gasoline and diesel above ground storage tanks (ASTs) were observed onsite. The ASTs were empty with no evidence of petroleum staining near the ASTs. All agricultural chemicals and petroleum products are properly stored within buildings with concrete floors. There was minor surface staining on the concrete floors; however there was no observed staining of unpaved surfaces within the industrial areas or the orchards.

While no initial environmental site assessment can fully eliminate the uncertainty regarding the potential for recognized environmental conditions, the ASTM standard does cite the balance between appropriate levels of inquiry and the cost of such exhaustive investigations. It is MHBA's opinion that a full assessment of the site has been completed and no evidence of RECs was found or observed on the subject property. Based on the results of this report, no further investigation is warranted.

2. Introduction

2.1. Purpose

As per Section 1.1 of the American Society of Testing and Materials (ASTM) Standard Practice Designation E 1527-13, the purpose of this assessment is to identify recognized environmental conditions, as defined in Section 3.24.78 of the same Standard Practice; that is "the presence or likely presence of any hazardous substances or petroleum products in, on or at a property due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions[1]." This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA); that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 U.S.C. § 9601 et seg. MHBA has conducted this Phase I ESA under the direction a qualified Environmental Professional, whose seal and/or signature appears hereon. This document serves to identify recognized environmental conditions (RECs) in association with the subject property.

2.2. Detailed Scope-of-Services

The Phase I ESA conducted at the subject property was in general accordance with ASTM Standard E 1527-13 and included some or all of the following:

- Review of previous environmental site assessments
- Records review
- Interviews with regulatory officials
- A site visit
- Evaluation of information and preparation of the report provided herein.

Typically, a Phase I ESA does not include sampling or testing of air, soil, groundwater, surface water, or building materials. These activities would be carried out in a Phase II ESA, if required. For this Phase I ESA, no additions to the ASTM E 1527-13 standard were made.

2.3. Significant Assumptions

MHBA believes the results, specifications, conclusions and professional opinions to be accurate and relevant but cannot accept responsibility for the accuracy or completeness of public documentation or accuracy, completeness, or possible withholding of information by interviewees or other private parties. We make no other warranty, either expressed or implied.

It is assumed that this investigation is being conducted to identify recognized environmental conditions (RECs) concerning the subject property, and to permit the user to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA liability. This investigation may mention but does not fully address non-scope considerations such as:

[1] ASTM E 1527-13 § 3.2.78.

Asbestos, Radon, Lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, health and safety, ecological resources, endangered species, air quality, or water quality.

This property assessment did not include air, soil or water sampling, or laboratory analysis. Therefore, the results of this investigation do not preclude the possibility of substances that are currently or in the future may be defined as hazardous being present on the property. This report does not purport to address all safety problems, if any, associated with the subject property.

2.4. Limitations, Exceptions, and Data Gaps

The scope of services performed to complete this Phase I ESA is limited in nature. Site conditions can change in time, and our assessment is not intended to predict future site conditions. Because of the limited nature of this assessment, site history will be developed based only on information provided by a review of available regulatory files on this site and near-by sites. This report is not a complete risk assessment and the scope of services does not include a complete determination of the extent of, nor the environmental or public health impact of, known or suspected hazardous materials or wastes.

The information and conclusions contained in this report are based upon work undertaken by trained professionals and technical staff in accordance with generally accepted engineering and scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgment of MHBA based on the data obtained from the work. Due to the nature of investigation and the limited data available, MHBA cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be construed as legal advice. Should additional information become available which differs significantly from our understanding of conditions presented in this report, we request that this information be brought to our attention so that we may reassess the conclusions provided herein.

The government database search included sites that are within the search range of the subject property. However, sites exist that are in the general vicinity of the subject property without enough information listed to map these "orphan" sites or determine if they are within the search range. The Orphan summary indicated that there two unmapped sites: Orchard Machinery Corporation and Harter Packing/Home Depot. Based on information obtained during the evaluation process and general knowledge of the history of this vicinity of Sutter County, it is the opinion of the MHBA representative that the historical subject property uses have been adequately defined. Aside from the limitation(s) listed above, it is the opinion of Marcus H. Bole, Environmental Professional that this property assessment provides an appropriate degree of inquiry to determine if RECs exist on the subject property.

2.5. Special Terms and Conditions

Authorization to perform this assessment was given by the client on August 2, 2021. Instructions as to the location of the property, and details of access were supplied by Mandeep Pabla of Texas Valley Holdings, Inc.

2.6. Reliance

This report has been prepared for the sole benefit of Westmark Partners, LP and Texas Valley Holdings, Inc. or their assigns. The report may not be relied upon by any other person or entity without the express written consent of MHBA and the client with the following exceptions (s): None.

2.7. Environmental Personnel

This assessment was conducted under the supervision of Marcus H. Bole, Environmental Professional. The following personnel contributed to the assessment:

- Marcus H. Bole, M.S, Environmental Professional, Registered Environmental Property Assessor (REPA) Number 647913, performed site observations, conducted local file reviews, provided supervision, review, and opinions/conclusions.
- Charlene J. Bole, M.S, Environmental Professional, Registered Environmental Property Assessor (REPA) Number 229436, Quality Control Project Manager, coordinated and reviewed database searches, conducted first-level and final reviews of all reports and documents in accordance with the principles of ISO 9001.

3. Site Description

The MHBA representative performed site observations on August 9 & 13, 2021.

3.1. Location and Legal Description

The property is identified as Sutter County Assessor Parcel Number (APNs) 62-082-009, -011, -014 & -015, 2665 & 2689 Colusa Highway, and 1139 Hooper Road, City of Yuba City, Sutter County, California 95993. The subject property location is outlined in Appendix A of this report.

3.2. Site and Vicinity Characteristics

The subject property consists of a 25.14-acre parcel of agricultural and industrial zoned land supporting orchard operations. The subject property is surrounded by residential housing developments and rural residential properties. For information regarding the physical setting and soil composition in the general area of the subject property refer to section 5.4.

3.3. Current Use of the Property

The subject property consists of approximately 18-acres of walnut trees, two single-family residences, storage buildings and pump houses, industrial walnut and almond processing buildings, access roads and related out-buildings.

3.5 Current Uses of the Adjoining Properties

During the vicinity reconnaissance, MHBA observed the following land use on properties in the immediate vicinity of the subject property.

Direction	Property/Description
North	Residence and agricultural
East	Residential and agricultural
South	Colusa Frontage Road, Colusa Highway and Calvary Christian Center.
West	Residential

4. User Provided Information

4.1. Title Records

EDR conducted an Environmental Lien and Activity and Use Limitations (AUL) Search on August 3, 2021. No environmental liens or AULs were identified for the property (see Appendix F).

4.2. Environmental Liens or Activity and Use Limitations

There was no report or record of any environmental liens, activity, and/or use limitations due to hazardous material issues on the subject or surrounding properties. The subject property did not appear in any of these databases.

4.3. Specialized Knowledge

All commonly known or reasonably ascertainable information is described in this report.

4.4. Valuation Reduction for Environmental Issues

Based upon physical site inspections and records reviews, no environmental issues were identified that could result in property value reduction.

4.5. Owner, Property Manager, and Occupant Information

An interview with the property owner on August 9, 2021, did not result in any information which would suggest that there are (currently or historically) any recognized environmental conditions associated with the subject property.

Property Owner	Leonard A. Henson
Property Onsite Contact(s)	Leonard A. Henson

4.6. Reason for Performing Phase I

The Phase I ESA is being conducted as part of environmental due diligence prior to property acquisition and development.

5. Records Review

The comprehensive EDR® Radius Map™ Report with GeoCheck® Report is provided as a searchable document attached to the general deliverable. The report includes descriptions of standard and additional environmental records searched, original source of information, approximate search distance, date information was last updated by EDR®, and date information was last updated by original source.

MHBA contracted Environmental Data Resources, Inc. (EDR®) to conduct a search of Federal and State databases containing known and suspected sites of environmental contamination. The number of listed sites identified within the approximate minimum search distance (AMSD) from the Federal and State environmental records database listings specified in ASTM Standard E 1527-13 are summarized in the following table. Detailed information for sites identified within the AMSDs is provided below, along with an opinion about the significance of the listing to the analysis of recognized environmental conditions in connection with the subject property.

Standard Environmental Record Sources	Additional Environmental Record Sources
Federal NPL Site List	State and Local HIST CAL-SITES
Federal Proposed NPL Site List	State and Local CA BOND EXP PLAN List
Federal Delisted NPL Site List	State and Local SCH List
Federal NPL Liens Site List	State and Local WDS List
Federal LIENS2 List	State and Local NPDES List
Federal CORRACTS List	State and Local Cortese List
Federal US ENG CONTROLS List	State and Local HIST CORTESE List
Federal US INST CONTROL List	State and Local SWRCY List
Federal DOT OPS List	State and Local LEAKING UNDERGROUND TANK Sites
Federal US CDL List	State and Local CA FID UNDERGROUND TANK Sites
Federal US BROWNFIELDS List	State and Local SLIC List
Federal Department of Defense Site	State and Local UST Sites
Federal Formerly Used Defense Sites	State and Local HIST UST Sites
Federal LUCIS List	State and Local SWEEPS UST List
Federal CONSENT List	State and Local CHMIRS List
Federal ROD List	State and Local ABOVEGROUND STORAGE TANK Sites
Federal UMTRA Sites	State and Local NOTIFY 65 List
Federal DEBRIS REGION 9 List	State and Local VCP List
Federal ODI List	State and Local DRYCLEANERS Sites
Federal MINES List	State and Local RESPONSE List
Federal TSCA List	State and Local HAZNET List
Federal FTTS List	State and Local EMI List
Federal HIST FTTS List	State and Local ENVIROSTAR List
Federal SSTS List	State and Local HWP List
Federal ICIS List	State and Local PROC List
Federal PADS List	State and Local EDR PROPRIETARY RECORDS List
Federal MLTS List	State and Local Toxic Pits List
Federal RADINFO List	State and Local SWF/LF List
Federal RAATS List	State and Local WMUDS/SWAT List
Federal SCRD DRYCLEANERS Sites	State and Local LIENS List
Federal UST HIST CDL List	State and Local LDS List
Federal PCB TRANSFORMER List	State and Local MCS List
Federal Facility Site Information List	State and Local DEED List
Federal COAL ASH DOE List	State and Local WIP List

Federal FEMA UST List	State and Local CDL List
Federal COAL ASH EPA List	State and Local ENF List
Federal CERCLIS List	State and Local HAULERS List
Federal CERCLIS NFRAP List	State and Local MWMP List
Federal RCRA TSDF List	State and Local HWT List
Federal RCRA Large Quantity Generators	Tribal INDIAN RESERV List
Federal RCRA Small Quantity Generators	Tribal INDIAN ODL List
Federal RCRA CESQG List	State and Tribal INDIAN LUST List
Federal RCRA NONGEN List	Tribal INDIAN UST List
Federal ERNS List	Tribal INDIAN VCP List
Federal HMIRS List	
Federal TRIS List	
Federal FINDS List	

5.1. Standard Environmental Record Sources

Information on standard environmental records was provided by EDR® on August 3, 2021. Sections 5.3.1 and 5.25.14-discuss the results of this review.

5.2. Additional Environmental Record Sources

The following is a list of additional local environmental and historic record sources contacted/reviewed by the MHBA representative:

- State Water Resources Control Board GeoTracker® Database
- Sutter County Environmental Health Services Department

5.3. Standard and Additional Environmental Record Review Results

A summary of results for EDR® revealed multiple sites within the radius search required by the ASTM Standard practice. This subject property was listed in the following databases: RCRA NonGen/NLR, FINDS, ECHO, HWTS. These databases list those businesses that use, store and dispose of small quantities of agricultural and industrial chemicals. There are no records of violation for the Henson Ranch's handing these chemicals.

5.3.1. Federal Environmental Records

Sites identified within the search radius of the subject property in the Federal State Regulatory records databases are as follows.

Federal CERCLIS NFRAP Site List:

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The List was formerly known as CERCLIS-NFRAP, renamed to SEMS ARCHIVE by 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 indicated

that, to the best of EPA's knowledge, assessment at a site has been compiled and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates that 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. A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/27/2021 has revealed that there are two (2) SEMS sites within the searched area. Based upon the status and location of these sites they are not considered to be a recognized environmental condition in association with the subject property.

Federal RCRA generator list:

RCRA-SQG: RCRAInfo is the 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, and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQG) generate between 100 kg and 1,000 kg of hazardous waste per month. A review of the RCRA-SQG list, as provided by EDR®, and dated 03/22/2021 has revealed that there are two (2) RCRA-SQG sites within the searched area. Based upon the status and location of these sites they are not considered to be a recognized environmental condition in association with the subject property.

5.3.2. State- and tribal- equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) CA 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 Cal-Sites, 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 04/23/2021 has revealed that there are seven (7) CA ENVIROSTOR sites within the searched area. Based upon the status and location of these sites they are not considered recognized environmental conditions in association with the subject property.

State and tribal leaking storage tank lists:

LUST: The Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the. State 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®, and in the report dated 08/03/2021 has revealed that there is one (1) LUST site within the searched area. Based upon the status and location of this site (case closed) it is not considered a recognized environmental condition in association with the subject property.

CPS-SLIC: Cleanup Program Sites (CPS: also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in Geo Tracker. Geo Tracker 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 CPS-SLIC list, as provided by EDR, has revealed that there is one (1) CPS-SLIC site listed within the searched area. Based upon the status and location of this site (case closed) it is not considered a recognized environmental condition in association with the subject property.

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database. A review of the UST list, as provided by EDR, has revealed that there are two (2) UST sites within the searched area. Based upon the status and location of these sites (closed) they are not considered recognized environmental conditions in association with the subject property.

Additional Environmental Records

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance site. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR. A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is one (1) HIST Cal-Sites site within the searched area. Based upon the status and location of this site it is not considered a recognized environmental condition in association with the subject property.

SCH: 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. A review of the SCH list, as provided by EDR, and dated 04/23/2021 has revealed that there is one (1) SCH site within the searched area. Based upon the status and location of this site it is not considered a recognized environmental condition in association with the subject property.

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator program. A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/19/2021 has revealed that there are two (2) CERS HAZ WASTE sites within the searched area. Based upon the status and location of these sites they are not considered recognized environmental conditions in association with the subject property.

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list. A review of the CA SWEEPS UST list, as provided by EDR®, and dated 06/01/1994 has revealed that there are two (2) CA SWEEPS UST

sites within the searched area. Based upon the status and location of these sites they are not considered recognized environmental conditions in association with the subject property.

HIST UST: Historical UST Registered Database. A review of the HIST UST list, as provided by EDR®, and dated 10/15/1990 has revealed that there are four (4) HIST UST sites within the searched area. Based upon the status and location of these sites they are not considered recognized environmental conditions in association with the subject property.

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations in the state of California. The source is the State Water Resource Control Board. A review of the CA FID UST list, as provided by EDR®, and dated 10/31/1994 has revealed that there is one (1) CA FID UST site within the searched area. Based upon the status and location of this site it is not considered a recognized environmental condition in association with the subject property.

CERS TANK: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. A review of the CERS TANKS list, as provided by EDR, and dated 04/19/2021 has revealed that there is one (1) CERS TANKS site within in the searched area. Based upon the status and location of this site it is not considered a recognized environmental condition in association with the subject property.

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). A review of the Cortese list, as provided by EDR, and dated 03/22/2021 has revealed that there is one (1) Cortese site within the searched area. Based upon the status and location of this site it is not considered a recognized environmental condition in association with the subject property.

HIST CORTESE: The sites for this 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 are two (2) HIST CORTESE sites within the searched area. Based upon the status and location of these sites they are not considered recognized environmental conditions in association with the subject property.

EDR PROPRIETARY RECORDS

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/ service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR Classifies as “High Risk Historical Records”, or HRHR. EDR’s HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches. A review of the EDR US Hist Auto list, as provided by EDR, has revealed that there is one (1) EDR Hist Auto site within the searched area. Based upon the status

and location of this site it is not considered a recognized environmental condition in association with the subject property.

Orphan Summary:

The above government database search included sites that are within the ASTM search range of the subject property. However, sites exist that are in the general vicinity of the subject property without enough information listed to map these "orphan" sites or determine if they are within the ASTM search range. The Orphan summary indicates that there are two unmapped sites: Orchard Machinery Corporation and Harter Packing/Home Depot. Based upon the status and location of these sites they are not considered recognized environmental conditions in association with the subject property.

5.3.3. Local Environmental Records

State Water Resources Control Board GeoTracker® Database

The MHBA representative reviewed the on-line State Water Resources Control Board GeoTracker® Database. One record of an UST was found on the State Water Resources Control Board for the residence located at 1139 Hooper Road, Yuba City, CA. The residence belongs to Keith R. Churchill. The 550-gallon tank installed in 1976 and removed in 1988. The residence located at 1139 Hooper Road is not part of the current project. The orchards associated with the address of 1139 Hooper Road are part of the current subject property being evaluated. The former tank located at Mr. Churchill's residence does not constitute a recognized environmental condition in association with the subject property.

Sutter County Environmental Health Department

The MHBA representative contacted the Sutter County Environmental Health Services Department on August 5, 2021, in an effort to review current and historical data regarding the presence of underground petroleum storage tanks (USTs) and/or hazardous materials for the subject property. The Sutter County Environmental Health Services Department does not have any records for this property.

5.3.4 Environmental Lien Search

On August 03, 2021 EDR® searched the Engineering Controls Sites List (US ENG CONTROLS), the Sites with Institutional Controls (US INST CONTROL), and Deed Restriction Listing (DEED). No sites were identified in these databases within the search radius of the subject property. Additionally, EDR conducted an Environmental Lien and Activity and Use Limitations (AUL) Search on August 03, 2021. No environmental liens or AULs were identified for the property (see Appendix F).

Geologic Information Sources

U.S. Geological Survey. "Sutter Quadrangle," California 2012. 1:24,000. 7.5 Minute Series. U.S. Department of Interior, USGS. 2012.

5.4 Physical Setting Sources and Results;

The elevation of the subject property is approximately 56 feet above mean sea level, as depicted on the 2012 U.S.G.S. 7.5 Sutter Topographic Map. The general topography of the subject property slope generally to the southwest.

Subject Property Soil Associations:

Soil Association	Counties of Occurrence	Landform Groups	Potential Soil Hazards Characterization
Conejo	Sutter	Terrace	Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Geological Survey. "Sutter Quadrangle" California 2012. 1:24,000. 7.5 Minute Series. U.S. Department of Interior, USGS. 1972.

6. Historical Use Information on the Property and Adjoining Properties Sources and Results

Historical information identifying the past site use was obtained from a variety of sources as detailed in Appendix D of this report and included: aerial photographs, historical USGS topographic maps, and historic city directories supplied by EDR®.

Historical Topographic Maps

Historical topographic maps were reviewed to determine past land use patterns of the subject and surrounding properties. Maps from 1911, 1952, 1973, and 2012 were reviewed. The results are as follows:

Year	Target Quad	Description
1911	Sutter	Undeveloped land. Roads and railroad shown.
1913	Sutter	Site shown as orchards with 3 buildings on subject property. Numerous roads, orchards and buildings in the surrounding area.
1973	Sutter	Site shown as similar to 1913 map. An additional building is shown on site. Surrounding properties show more buildings.
2012	Sutter	No details shown other than roads.

Sanborn® Fire Insurance Maps

Sanborn® Fire Insurance Maps with coverage of the subject property were sought through EDR®. Sanborn® Fire Insurance Maps are detailed drawings of site development, and were typically used by fire insurance companies to determine site fire insurability. According to EDR®, there is no Sanborn® coverage for the subject property.

City Directory Search

Historic city directories were searched for the subject property for the years spanning 1960-2017. The property was listed as Henson Farm Dehydrators and Henson, Henry B.

Aerial Photographs

Historical aerial photographs were reviewed to determine past land use patterns of the subject and surrounding properties. Photographs covering the years 1937, 1952, 1973, 1977, 1984, 1998, 2006, 2009, 2012 and 2016 were available for review. The results of the review are as follows:

Year	Scale	Description
1937	1' = 500'	The subject property is shown as orchard land, residence and barns, and agricultural fields. The property is adjacent to agricultural land. Colusa Highway is shown to the south.
1952	1" = 500'	Similar to 1937 photograph with additional orchards. Additional roads north of Colusa Highway. Residential properties to the west of the subject property.
1973-1998	1" = 500'	Similar to 1952 photograph. Additional residential properties around the site. A residence within the west side of orchard is shown located at 1139 Hooper Road, this residence is not part of the subject property. Colusa Highway is divided and access road shown.
2006-2016	1" = 500'	Similar to 1998 photograph. More residential and commercial development is shown.

7. Site Observations

7.1 Methodology and Limiting Conditions

Site observations were conducted on August 9 & 13, 2021. Weather conditions at the time of the site observations were hazy and warm. Digital photographs of the subject property were taken from all angles. Photographs of pertinent site features identified during the site observations are included in Appendix B.

7.2 General Site Setting

The subject property consists of a 25.14-acre parcel of agricultural and industrial zoned land supporting orchard operations. The subject property is surrounded by residential housing developments and rural residential properties.

7.3 Site Observation Findings

7.3.1. Hazardous Substances

The Sutter County Environmental Health Services Division does not have any record of hazardous substances associated with this property. Onsite inspections revealed small quantities of agricultural and industrial chemicals being used, stored and disposed of in accordance with applicable state and federal regulations. There were no records of violation for this property on file with any regulatory agency.

7.3.2. Petroleum Products

The Sutter County Environmental Health Services Division does not have any record of petroleum products associated with this property. Onsite inspections revealed three unused (empty) above ground petroleum storage tanks (ASTs). Additionally, small quantities of used oil were being held in 55-gallon drums. The used oil is periodically removed from the property by World Oil Environmental Services, a licensed waste hauler (USDOT 0193134)

7.3.3. USTs

Records maintained by the Sutter County Environmental Health Services Department did not reveal the presence of underground petroleum storage tanks (USTs) on the subject property. No evidence of USTs was found during onsite inspections.

7.3.4. ASTs

Onsite inspections revealed three unused (empty) above ground petroleum storage tanks (ASTs). No evidence of leaks or soil staining was revealed during onsite inspections of the ASTs.

7.3.5. Other Suspect Containers

Other suspect containers were not identified on the subject property during the records search or during on-site observations. All agricultural and industrial chemicals were properly labeled and stored on concrete in a locked storage shed.

7.3.6. Equipment Likely to Contain PCBs

Equipment likely to contain PCB material was not identified on the subject property during the records search or on-site observations.

7.3.7. Interior Staining/Corrosion

All industrial buildings related to walnut and almond production were inspected. Some minor surface staining on concrete surfaces was observed.

7.3.8. Discharge Features

There was no discharge features observed within or near the subject property.

7.3.9. Pits, Ponds, and Lagoons

No pits, ponds or lagoons were observed within or near the subject property.

7.3.10. Solid Waste Dumping/Landfills

No solid wastes were observed on the subject property during the on-site observations.

7.3.11. Stained Soil/Stressed Vegetation

No stained soil or stressed vegetation was observed on the subject property during the on-site observations.

7.3.12. Wells

There are four groundwater wells located on the subject property.

7.3.13 Interviews

Personal interviews were conducted with the property owner Mr. Henson during onsite inspections on August 9, 2021. Mr. Henson also filled out an *Environmental Questionnaire and Disclosure Statement* (see Appendix F).

8. Findings, Opinions, and Conclusions

Marcus H. Bole & Associates has performed the Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitation of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments E 1527-13, and the Environmental Protection Agency Standards and Practices for All Appropriate Inquires (AAI) (40 CFR § 312.20) for the subject property identified as APN 62-082-009, 62-082-011, 62-082-014 & 62-082-015, located at 2665 & 2689 Colusa Highway and 1139 Hooper Road, Yuba City, CA 95993. Any exceptions to, or deletions from this practice are described in Section 2.4 of this report. The Phase I Environmental Site Assessment is designed to provide the Texas Valley Holdings, Inc. with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property. The property was listed in the following federal or state databases in the Radius Map™ provided by Environmental Data Resources®: RCRA NonGen/NLR, FINDS, ECHO and HWTS dealing with walnut orchard operations. There are no violations on record for the Henson Ranch's use, storage and disposal of small quantities of hazardous materials including EPA approved agricultural chemicals. The residence located at 1139 Hooper Road is not part of this project. The orchards associated with the address of 1139 Hooper Road are part of this project and have been evaluated along with the properties located at 2665 and 2689 Colusa Highway.

The 25.14-acre Henson Ranch consists of Sutter County Assessor Parcels (APNs) 62-082-009 (0.780-acres) zoned Industrial with walnut and almond processing equipment; 62-082-014 (0.780-acres) zoned Industrial with walnut and almond processing equipment; 62-082-015 (14.160-acres) zoned Agricultural with residences, storage buildings, and walnut orchards; and 62-082-011 (9.420-acres) zoned Agricultural with walnut orchards. The ranch currently supports walnut orchards, two private single-family residences, buildings supporting the drying and processing of agricultural walnuts and almonds, and approximately 18 acres of walnut trees. Marcus H. Bole & Associates (MHBA) performed a reconnaissance of the subject property on August 9, 2021. The purpose of the reconnaissance was to observe existing property conditions and to obtain information indicating the possible presence of recognized environmental conditions (RECs) in connection with the subject property. Environmental Data Resources, Inc. (EDR) was contracted to provide a database search of public lists of sites that generate, store, treat or dispose of hazardous materials or sites for which a release or incident has occurred. The EDR search was conducted for the subject property and includes data from surrounding sites

within the ASTM E-1527-13 search distances of the subject property. The property was listed in serval databases that deal with the storage, use and disposal of small quantities of agricultural and industrial chemicals. There are no violations on record for the storage, use or disposal of these chemicals. Three unused gasoline and diesel above ground storage tanks (ASTs) were observed onsite. The ASTs were empty with no evidence of petroleum staining near the ASTs. All agricultural chemicals and petroleum products are properly stored within buildings with concrete floors. There was minor surface staining on the concrete floors; however there was no observed staining of unpaved surfaces within the industrial areas or the orchards.

While no initial environmental site assessment can fully eliminate the uncertainty regarding the potential for recognized environmental conditions, the ASTM standard does cite the balance between appropriate levels of inquiry and the cost of such exhaustive investigations. It is MHBA's opinion that a full assessment of the site has been completed and no evidence of RECs was found or observed on the subject property. Based on the results of this report, no further investigation is warranted.

9. Qualifications and Signature

Marcus H. Bole & Associates has performed this assessment under my supervision in accordance with generally accepted environmental practices and procedures, as of the date of this report. I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained within this assessment are based upon site conditions readily observed or were reasonably ascertainable and present at the time of the site observations.

Prepared by:

Marcus H. Bole

Marcus H. Bole, M.S, Environmental Professional, REPA 647913



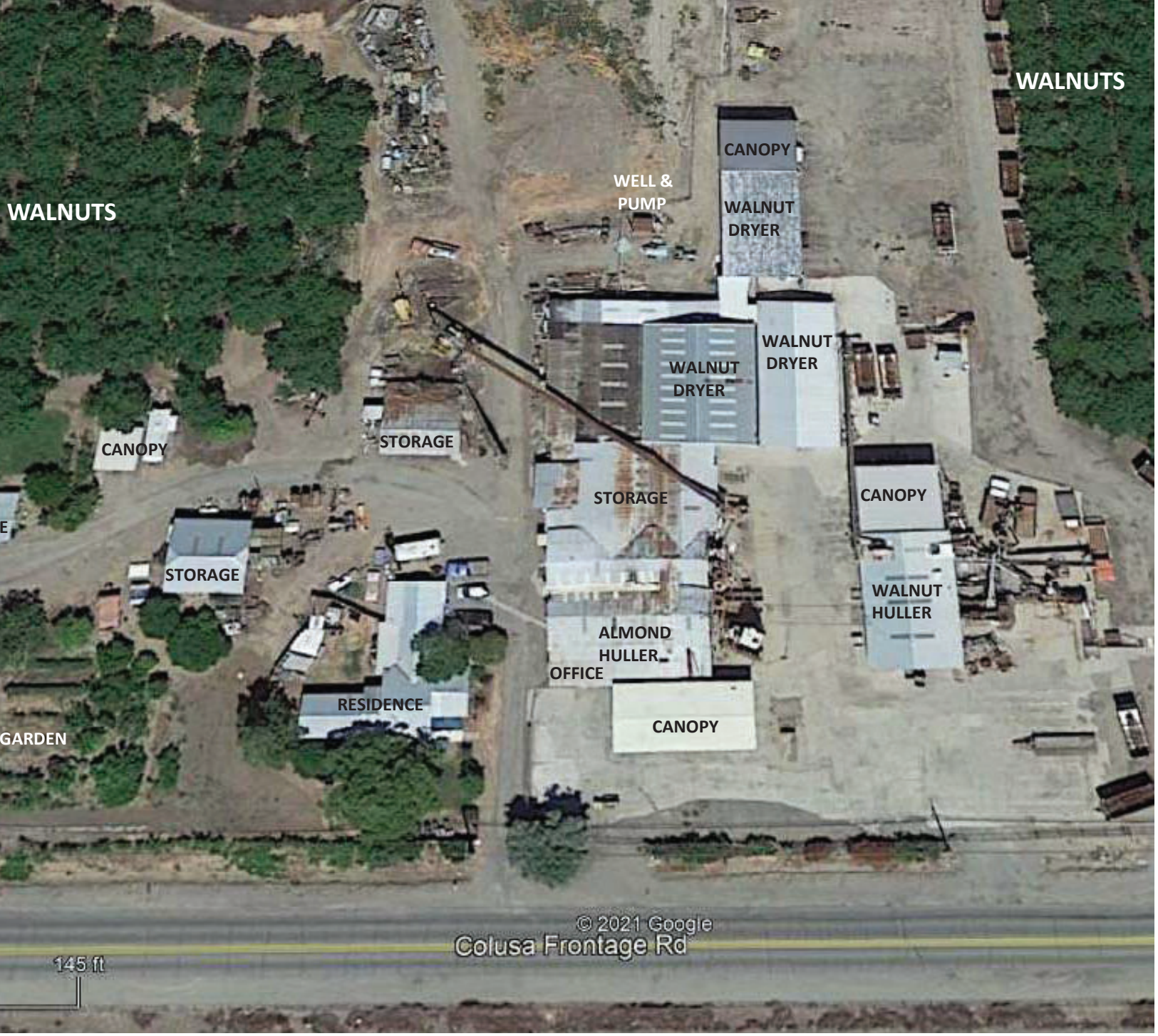
Final Review and Certification:

Charlene J. Bole

Charlene J. Bole, M.S. Environmental Professional, REPA 229436



APPENDIX A: MAPS



posed Subdivision Project. APNs 62-082-009, 011, 014 and 015. A 25.14-acre project area located at 2665, 2689
oper Road, Yuba City, CA 95993. Aerial photo shows agricultural and residential buildings.



FIGURE 2: Henson Ranch Proposed Subdivision Project. APNs 62-082-009, 011, 014 and 015. A 25.14-acre project area located at 2665, 2689 Colusa Highway and 1139 Hooper Road, Yuba City, CA 95993.

TENTATIVE SUBDIVISION TRACT MAP

SM 21-001 (HENSON RANCH)

YUBA CITY, CALIFORNIA

JUNE 14, 2021

PROJECT NOTES

OWNER
HENSON FAMILY LIV. NG TR
2589 COLUSA HIGHWAY
YUBA CITY, CA 95991
CONTACT: MARY HENSON
PHONE: (530) XXX-XXXX

APPLICANT
WESTMARK PARTNERS, L.P.
4820 DUCKHORN DRIVE
SACRAMENTO, CA 95834
CONTACT: MIKE SINCO
PHONE: (530) 682-6686

ENGINEER/SURVEYOR
MHM INCORPORATED
1204 E STREET, P.O. BOX B
MARYSVILLE, CA 95901
CONTACT: SEAN MINARE, P.E., P.L.S
PHONE: (530) 742-6485

ASSESSOR'S PARCEL NO.
APN 62-082-009, 011, 014, AND 015

AREA OF TENTATIVE MAP
25 ± GROSS ACRE

EXISTING USE
VACANT

EXISTING GENERAL PLAN DESIGNATION
LOW DENSITY RESIDENTIAL AND
OFFICE/OFFICE PARK

PROPOSED GENERAL PLAN DESIGNATION
LOW DENSITY RESIDENTIAL AND
OFFICE/OFFICE PARK

EXISTING ZONING
R-1 AND O-P

PROPOSED ZONING
R-1 AND O-P

LEVEE PROTECTION
LEVEE DISTRICT NO. 2 OF SUTTER COUNTY

ELEMENTARY SCHOOL DISTRICT
YUBA CITY UNIFIED SCHOOL DISTRICT

HIGH SCHOOL DISTRICT
YUBA CITY UNIFIED SCHOOL DISTRICT

IRRIGATION DISTRICT
NONE - INDIVIDUAL WATER WELLS

FIRE PROTECTION
CITY OF YUBA CITY FIRE DEPARTMENT

LAW ENFORCEMENT
CITY OF YUBA CITY POLICE

SANITARY SEWER
CITY OF YUBA CITY PUBLIC WORKS

DOMESTIC WATER
EL VERHUST PUBLIC UTILITIES DISTRICT

STORM DRAINAGE
CITY OF YUBA CITY PUBLIC WORKS
AND SUTTER WATER AGENCY

ELECTRICITY
PACIFIC GAS AND ELECTRIC

NATURAL GAS (OPTIONAL)
PACIFIC GAS AND ELECTRIC

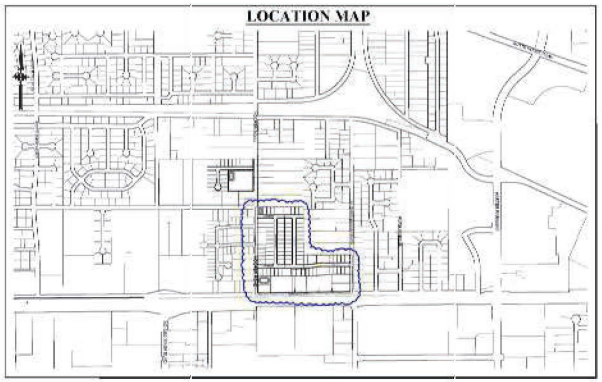
COMMUNICATION
AT&T AND COMCAST

CABLE (OPTIONAL)
COMCAST

GENERAL NOTES:

1. SUBDIVIDER RESERVES THE RIGHT TO PHASE DEVELOPMENT AND FILE MULTIPLE FINAL MAPS PURSUANT TO SECTION 66456.1 (A) OF THE SUBDIVISION MAP ACT.
2. A 12.5 FOOT PUBLIC UTILITY EASEMENT SHALL BE LOCATED PROVIDED ON ALL STREETS WITH 10 FEET BEHIND SIDEWALK AND 2.5 FEET LOCATED UNDER SIDEWALK. ADJACENT TO CUL-DE-SAC BULBS THE PUBLIC UTILITY EASEMENT SHALL BE 10 FEET BEHIND SIDEWALK UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
3. THIS EXCEPT IS FOR TENTATIVE MAP PURPOSES ONLY. ACTUAL DIMENSIONS, ROAD ALIGNMENTS, ACREAGE, AND YIELDS ARE TO BE VERIFIED PRIOR TO FINAL MAP.
4. THIS IS AN APPLICATION FOR A DEVELOPMENT PERMIT.
5. VILLAGE MONUMENTING IS FOR IDENTIFICATION PURPOSES ONLY AND DOES NOT INDICATE PHASING ORDER OF DEVELOPMENT. ULTIMATE DEVELOPMENT PLANNING WILL BE ORDERLY AND WILL BE DETERMINED AT FINAL MAP AND/OR IMPROVEMENT PLAN STAGE.
6. ALL EXISTING STRUCTURES, SEPTIC TANKS, AND WELLS TO BE REMOVED OR DESTROYED PRIOR TO CONSTRUCTION.
7. STREET TREES SHALL BE PLANTED PURSUANT TO COUNTY OF YUBA CITY STANDARDS. ADDITIONAL DETAIL SHALL BE PROVIDED ON THE IMPROVEMENT PLANS.
8. OWNERS, APPLICANT, ATTORNEY, ENGINEER, AND SURVEYOR SHALL RECEIVE ANY COMMUNICATIONS AND/OR NOTICES RELATED TO THIS PROJECT.

LOCATION MAP



LEGAL DESCRIPTION:

THE LAND DESCRIBED HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF SUTTER, CITY OF YUBA CITY, IS DESCRIBED AS FOLLOWS:

PARCEL ONE (APN 62-082-011 AND 62-082-014):
A PORTION OF LOCK 22 AND 23 OF SUBDIVISION NO. 2 OF THE ELMIRA TRACT, IN THE CITY OF YUBA CITY, COUNTY OF SUTTER, STATE OF CALIFORNIA, ACCORDING TO THE MAP THEREOF RECORDED FEBRUARY 4, 1918 IN BOOK 1, PAGE 61 OF SURVEYS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 23 AND RUNNING THENCE WESTERLY ALONG THE SOUTH LINE OF SAID LOT 23, A DISTANCE OF 330.00 FEET; THENCE NORTHERLY, PARALLEL TO THE EAST LINE OF SAID LOT 23, A DISTANCE OF 660.22 FEET; THENCE EASTERLY PARALLEL TO THE SOUTH LINE OF SAID LOT 23 AND LOT 22, A DISTANCE OF 200 FEET; THENCE SOUTH PARALLEL TO THE EAST LINE OF SAID LOT 23, A DISTANCE OF 330.00 FEET TO THE SOUTH LINE OF SAID LOT 22; AND THENCE WESTERLY ALONG THE SOUTH LINE OF LOT 22 A DISTANCE TO THE POINT OF BEGINNING.

PARCEL TWO: (APN 62-082-010)
LOT 24 OF SUBDIVISION NO. 2 OF THE ELMIRA TRACT, IN THE CITY OF YUBA CITY, COUNTY OF SUTTER, STATE OF CALIFORNIA, ACCORDING TO THE MAP THEREOF RECORDED FEBRUARY 4, 1918 IN BOOK 1, PAGE 61 OF SURVEYS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM THAT PORTION CONVEYED TO EARL B. LARUE AND JONETTA M. LARUE, HIS WIFE, AS JOINT TENANTS, IN DEED RECORDED DECEMBER 13, 1933 IN BOOK 636, PAGE 346 OF OFFICIAL RECORDS, DESCRIBED AS FOLLOWS:

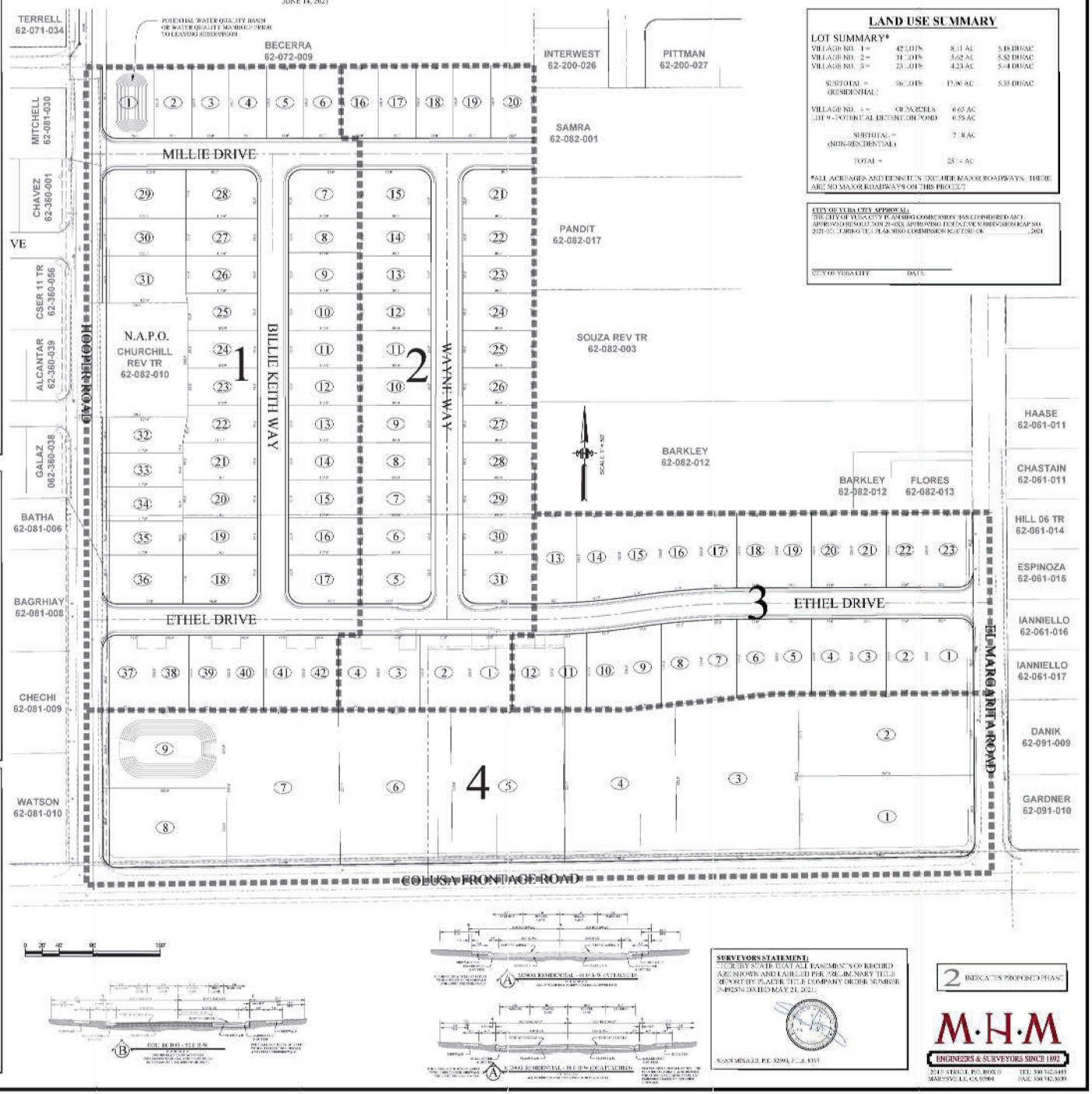
BEGINNING AT A POINT IN THE WEST LINE OF LOT 24, AS SHOWN UPON THAT CERTAIN MAP ENTITLED "MAP OF SUBDIVISION NO. 2 OF THE ELMIRA TRACT", FILED FEBRUARY 4, 1918 IN VOLUME 2 OF DEEDS, OR SURVEYS, AT PAGE 61, SUTTER COUNTY RECORDS, DISTANT THEREON NORTH 0° 07' WEST, 165.0 FEET FROM THE SOUTHWEST CORNER OF SAID LOT; THENCE FROM SAID POINT OF BEGINNING, CONTINUING ALONG THE WEST LINE OF SAID LOT 24, NORTH 0° 07' WEST, 660.2 FEET; THENCE LEAVING SAID WEST LINE, RUNNING EASTERLY AT RIGHT ANGLES TO SAID WEST BOUNDARY LINE, A DISTANCE OF 150.0 FEET; THENCE SOUTHERLY AT RIGHT ANGLES, 330.0 FEET; THENCE WESTERLY AT RIGHT ANGLES 150.0 FEET TO THE POINT OF BEGINNING.

PARCEL THREE: (APN: 62-082-015)
LOTS 22 AND 23 OF SUBDIVISION NO. 2 OF THE ELMIRA TRACT, IN THE CITY OF YUBA CITY, COUNTY OF SUTTER, STATE OF CALIFORNIA, ACCORDING TO THE MAP THEREOF RECORDED FEBRUARY 4, 1918 IN BOOK ... PAGE 61 OF SURVEYS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM THAT PORTION DESCRIBED AS FOLLOWS:

A PORTION OF LOCK 22 AND 23 OF SUBDIVISION NO. 2 OF THE ELMIRA TRACT, IN THE CITY OF YUBA CITY, COUNTY OF SUTTER, STATE OF CALIFORNIA, ACCORDING TO THE MAP THEREOF RECORDED FEBRUARY 4, 1918 IN BOOK 1, PAGE 61 OF SURVEYS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 23 AND RUNNING THENCE WESTERLY ALONG THE SOUTH LINE OF SAID LOT 23, A DISTANCE OF 330.00 FEET; THENCE NORTHERLY, PARALLEL TO THE EAST LINE OF SAID LOT 23, A DISTANCE OF 660.22 FEET; THENCE EASTERLY PARALLEL TO THE SOUTH LINE OF SAID LOT 23 AND LOT 22, A DISTANCE OF 200 FEET; THENCE SOUTH PARALLEL TO THE EAST LINE OF SAID LOT 23, A DISTANCE OF 330.00 FEET TO THE SOUTH LINE OF SAID LOT 22; AND THENCE WESTERLY ALONG THE SOUTH LINE OF LOT 22 A DISTANCE TO THE POINT OF BEGINNING.



LAND USE SUMMARY

LOT SUMMARY*

VILLAGE NO. 1 =	42 LOTS	8.1 AC	5.18 DU/AC
VILLAGE NO. 2 =	31 LOTS	5.62 AC	5.52 DU/AC
VILLAGE NO. 3 =	23 LOTS	4.23 AC	5.43 DU/AC
SUBTOTAL = (RESIDENTIAL)	96 LOTS	17.96 AC	5.35 DU/AC
VILLAGE NO. 4 =	OPACCELS	6.65 AC	
LOT 9 - POTENTIAL DETENTION POND		0.55 AC	
SUBTOTAL = (NON-RESIDENTIAL)		7.2 AC	
TOTAL =		25 ± AC	

*ALL ACREAGES AND DENSITIES EXCLUDE MAJOR ROADWAYS. THERE ARE NO MAJOR ROADWAYS ON THIS PROJECT.

CITY OF YUBA CITY APPROVAL:
THE CITY OF YUBA CITY PLANNING COMMISSION HAS CONSIDERED AND APPROVED RESOLUTION 21-03X APPROVING TENTATIVE SUBDIVISION MAP NO. 2021-001 DURING THE PLANNING COMMISSION MEETING ON _____, 2021.

CITY OF YUBA CITY — DATE

SURVEYORS STATEMENT:
I HEREBY STATE THAT ALL EASEMENTS OF RECORD ARE SHOWN AND LABELED PER PRELIMINARY TITLE REPORT BY PLACER TITLE COMPANY ORDER NUMBER 2492374 DATED MAY 21, 2021.

SEAN MINARE, P.E. 82903, P.L.S. 8305

2 INDICATES PROPOSED PHASE

M·H·M
ENGINEERS & SURVEYORS SINCE 1892
1204 E STREET, P.O. BOX B
MARYSVILLE, CA 95901
TEL 530.742.6485
FAX 530.742.3639

APPENDIX B: SITE OBSERVATION PHOTOGRAPHS





MARCUS H. BOLE & ASSOCIATES
104 Brock Drive, Wheatland, CA 95692
(530) 633-0117, email: mbole@aol.com

SITE: APN 062-082-0015
ITEM: Residence/Orchards (14.160-acres)
DATE: 8/09/2021 PLATE: 1





MARCUS H. BOLE & ASSOCIATES
104 Brock Drive, Wheatland, CA 95692
(530) 633-0117, email: mbole@aol.com

SITE: APN 062-082-011
ITEM: Orchards (9.42-acres)
DATE: 8/09/2021 PLATE: 2





MARCUS H. BOLE & ASSOCIATES
104 Brock Drive, Wheatland, CA 95692
(530) 633-0117, email: mbole@aol.com

SITE: APN 62-082-014
ITEM: Walnut Processing (0.780-acres)
DATE: 8/09/2021 PLATE: 3





MARCUS H. BOLE & ASSOCIATES
104 Brock Drive, Wheatland, CA 95692
(530) 633-0117, email: mbole@aol.com

SITE: APN 62-082-009
ITEM: Walnut Processing (0.780acres)
DATE: 8/09/2021 PLATE:4

APPENDIX C: REGULATORY RECORDS REVIEW

EDR® RADIUS MAP™ REPORT

Henson Ranch Project
2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Yuba City, CA 95993

Inquiry Number: 6603319.2s
August 03, 2021

The EDR Radius Map™ Report with GeoCheck®

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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

2689, 2665, 2689 COLUSA HWY, 1139 HOOPER RD
YUBA CITY, CA 95993

COORDINATES

Latitude (North):	39.1429970 - 39˚ 8' 34.78''
Longitude (West):	121.6653590 - 121˚ 39' 55.29''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	615341.0
UTM Y (Meters):	4333285.0
Elevation:	56 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5603360 SUTTER, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140725
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2689, 2665, 2689 COLUSA HWY, 1139 HOOPER RD
YUBA CITY, CA 95993

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LEONARD HENSON	2689 COLUSA HWY	RCRA NonGen / NLR		TP
A2	LEONARD HENSON	2689 COLUSA HWY	FINDS, ECHO		TP
A3	KEITH R. CHURCHILL	1139 HOOPER RD	HIST UST		TP
A4	LEONARD HENSON	2689 COLUSA HWY	HWTS		TP
A5	KEITH R. CHURCHILL	1139 HOOPER RD	SWEEPS UST, HIST UST, CA FID UST		TP
6	CREATIONS BY SHELL	1048 HOOPER RD	EDR Hist Auto	Lower	628, 0.119, WSW
B7	ORCHARD MACHINERY CO	2700 COLUSA HWY	UST	Higher	684, 0.130, SSE
B8	ORCHARD MACHINERY CO	2700 COLUSA HWY	SWEEPS UST, HWTS	Higher	684, 0.130, SSE
B9	ORCHARD MACHINERY CO	2700 COLUSA HWY	RCRA-SQG	Higher	684, 0.130, SSE
B10	FARM DEALER	2800 COLUSA HWY	HIST UST	Higher	724, 0.137, SE
11	HONDA YAMAHA SPORTS	2530 COLUSA HWY	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	956, 0.181, SE
12	NEW HIGH SCHOOL SITE	EL MARGARITA ROAD/CO	ENVIROSTOR, SCH, CERS	Higher	987, 0.187, ESE
C13	CALIFORNIA HUMAN DEV	3026 COLUSA HWY	SWEEPS UST, CA FID UST	Lower	998, 0.189, SW
C14	CALIFORNIA HUMAN DEV		UST, HIST UST	Lower	998, 0.189, SW
15	ORCHARD MACHINERY CO	2700 COLUSA HIGHWAY	ENVIROSTOR, HIST UST, HIST CORTESE, NPDES	Lower	1011, 0.191, SSW
16	NELSON MFG CO INC	2860 COLUSA HWY	RCRA-SQG, ENVIROSTOR, FINDS, ECHO	Lower	1157, 0.219, SW
17	ORCHARD MACHINERY CO	2700 COLUSA HWY	CERS HAZ WASTE, HIST UST, CERS TANKS, WDS, CIWQS,...	Higher	1163, 0.220, ESE
18	JONE'S REST HOME (FO	2915 MONROE ST	LUST, Cortese, HIST CORTESE	Higher	1647, 0.312, WNW
D19	HELENA CHEMICAL CO	921 N GEORGE WASHING	SEMS-ARCHIVE	Lower	2167, 0.410, SW
D20	HYDRAULIC EQUIPMENT	921 NO GEORGE WASHIN	HIST Cal-Sites, HIST UST, CERS	Lower	2167, 0.410, SW
E21	JOHN TAYLOR FERTILIZ	900 NORTH GEORGE WAS	CPS-SLIC, CERS	Lower	2359, 0.447, SW
E22	JOHN TAYLOR FERTILIZ	900 N. GEORGE WASHIN	SEMS-ARCHIVE, RCRA-SQG	Lower	2359, 0.447, SW
23	TRI-R ENGINEERING	3105 INDUSTRIAL DR	ENVIROSTOR	Lower	2935, 0.556, SW
24	FEATHER RIVER ACADEM	LASSEN BOULEVARD/KLA	ENVIROSTOR, SCH	Higher	4387, 0.831, ESE
25	PACIFIC BELL	1301 THARP RD	ENVIROSTOR, LUST, CPS-SLIC, Cortese, HIST CORTESE,...	Higher	4897, 0.927, ENE
26	H & B MACHINERY (1)	1781 COLUSA HWY	ENVIROSTOR, CPS-SLIC, VCP	Higher	5211, 0.987, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LEONARD HENSON 2689 COLUSA HWY YUBA CITY, CA 95993	RCRA NonGen / NLR EPA ID:: CAL000269309	CAL000269309
LEONARD HENSON 2689 COLUSA HWY YUBA CITY, CA 95993	FINDS Registry ID:: 110070455155 ECHO Registry ID: 110070455155	N/A
KEITH R. CHURCHILL 1139 HOOPER RD YUBA CITY, CA 95991	HIST UST Facility Id: 00000042872	N/A
LEONARD HENSON 2689 COLUSA HWY YUBA CITY, CA 95993	HWTS	N/A
KEITH R. CHURCHILL 1139 HOOPER RD YUBA CITY, CA 95991	SWEEPS UST Status: A Tank Status: A Comp Number: 42872 HIST UST CA FID UST Facility Id: 51000668 Status: A	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List

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

Federal Delisted NPL site list

Delisted NPL ---- National Priority List Deletions

Federal CERCLIS list

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

Federal RCRA CORRACTS facilities list

CORRACTS ---- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System
US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROLS ---- Institutional Controls Sites List

Federal ERNS list

ERNS ---- Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ---- State Response Sites

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

SWF/LF ---- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

VCP ---- Voluntary Cleanup Program Properties

INDIAN VCP ---- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

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

EXECUTIVE SUMMARY

SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered 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
HAZNET	Facility and Manifest Data
ICE	ICE
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)

PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
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

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/27/2021 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HELENA CHEMICAL CO Site ID: 0903334 EPA Id: CAD980819346	921 N GEORGE WASHING	SW 1/4 - 1/2 (0.410 mi.)	D19	89
JOHN TAYLOR FERTILIZ Site ID: 0903907 EPA Id: CAD980815823	***900 N. GEORGE WASHIN***	***SW 1/4 - 1/2 (0.447 mi.)***	***E22***	***96***

Federal RCRA generators list

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/22/2021 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORCHARD MACHINERY CO EPA ID:: CAL000190933	2700 COLUSA HWY	SSE 1/8 - 1/4 (0.130 mi.)	B9	21

Lower Elevation	Address	Direction / Distance	Map ID	Page
NELSON MFG CO INC EPA ID:: CAD029671484	***2860 COLUSA HWY***	***SW 1/8 - 1/4 (0.219 mi.)***	***16***	***64***

State- and tribal - equivalent CERCLIS

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/23/2021 has revealed that there are 7 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEW HIGH SCHOOL SITE Facility Id: 51010001 Status: No Further Action	***EL MARGARITA ROAD/CO***	***ESE 1/8 - 1/4 (0.187 mi.)***	***12***	***51***
FEATHER RIVER ACADEM	***LASSEN BOULEVARD/KLA***	***ESE 1/2 - 1 (0.831 mi.)***	***24***	***101***

Facility Id: 51010004
Status: No Action Required

PACIFIC BELL	***1301 THARP RD***	***ENE 1/2 - 1 (0.927 mi.)***	***25***	***104***
Facility Id: 51470001				
Status: Refer: RWQCB				
H & B MACHINERY (1)	***1781 COLUSA HWY***	***E 1/2 - 1 (0.987 mi.)***	***26***	***109***
Facility Id: 51350007				
Status: No Further Action				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ORCHARD MACHINERY CO	***2700 COLUSA HIGHWAY***	***SSW 1/8 - 1/4 (0.191 mi.)***	***15***	***56***
Facility Id: 51350002				
Status: Inactive - Needs Evaluation				
NELSON MFG CO INC	***2860 COLUSA HWY***	***SW 1/8 - 1/4 (0.219 mi.)***	***16***	***64***
Facility Id: 51350005				
Status: Refer: Other Agency				
TRI-R ENGINEERING	3105 INDUSTRIAL DR	SW 1/2 - 1 (0.556 mi.)	23	100
Facility Id: 51170001				
Status: Refer: Other Agency				

State and tribal leaking storage tank lists

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JONE'S REST HOME (FO	***2915 MONROE ST***	***WNW 1/4 - 1/2 (0.312 mi.)***	***18***	***87***
Database: LUST REG 5, Date of Government Version: 07/01/2008				
Database: LUST, Date of Government Version: 03/08/2021				
Status: Completed - Case Closed				
Status: Case Closed				
Global Id: T0610100064				

CPS-SLIC: 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.

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
JOHN TAYLOR FERTILIZ	***900 NORTH GEORGE WAS***	***SW 1/4 - 1/2 (0.447 mi.)***	***E21***	***95***
Database: CPS-SLIC, Date of Government Version: 03/08/2021				

Facility Status: Open - Verification Monitoring
Global Id: SL185842946

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORCHARD MACHINERY CO	2700 COLUSA HWY	SSE 1/8 - 1/4 (0.130 mi.)	B7	15
Database: SUTTER CO. UST, Date of Government Version: 03/01/2021 Date Closed: 1/26/1989 Removed: REMOVED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA HUMAN DEV		***SW 1/8 - 1/4 (0.189 mi.)***	***C14***	***55***
Database: SUTTER CO. UST, Date of Government Version: 03/01/2021 Date Closed: 12/20/1991 Removed: CLOSED				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HYDRAULIC EQUIPMENT	***921 NO GEORGE WASHIN***	***SW 1/4 - 1/2 (0.410 mi.)***	***D20***	***91***

SCH: 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.

A review of the SCH list, as provided by EDR, and dated 04/23/2021 has revealed that there is 1 SCH site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEW HIGH SCHOOL SITE	***EL MARGARITA ROAD/CO***	***ESE 1/8 - 1/4 (0.187 mi.)***	***12***	***51***

Facility Id: 51010001
Status: No Further Action

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/19/2021 has revealed that there are 2 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HONDA YAMAHA SPORTS	***2530 COLUSA HWY***	***SE 1/8 - 1/4 (0.181 mi.)***	***11***	***29***
ORCHARD MACHINERY CO	***2700 COLUSA HWY***	***ESE 1/8 - 1/4 (0.220 mi.)***	***17***	***71***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORCHARD MACHINERY CO	***2700 COLUSA HWY***	***SSE 1/8 - 1/4 (0.130 mi.)***	***B8***	***18***
Comp Number: 10962				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA HUMAN DEV	***3026 COLUSA HWY***	***SW 1/8 - 1/4 (0.189 mi.)***	***C13***	***54***
Comp Number: 45154				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FARM DEALER	2800 COLUSA HWY	SE 1/8 - 1/4 (0.137 mi.)	B10	28
Facility Id: 00000034888				
ORCHARD MACHINERY CO	***2700 COLUSA HWY***	***ESE 1/8 - 1/4 (0.220 mi.)***	***17***	***71***
Facility Id: 00000010962				

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA HUMAN DEV		***SW 1/8 - 1/4 (0.189 mi.)***	***C14***	***55***

Facility Id: 00000045154

ORCHARD MACHINERY CO	***2700 COLUSA HIGHWAY***	***SSW 1/8 - 1/4 (0.191 mi.)***	***15***	***56***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA HUMAN DEV	***3026 COLUSA HWY***	***SW 1/8 - 1/4 (0.189 mi.)***	***C13***	***54***
Facility Id: 51000328				
Status: I				

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.

A review of the CERS TANKS list, as provided by EDR, and dated 04/19/2021 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ORCHARD MACHINERY CO	***2700 COLUSA HWY***	***ESE 1/8 - 1/4 (0.220 mi.)***	***17***	***71***

Other Ascertainable Records

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

A review of the Cortese list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JONE'S REST HOME (FO	***2915 MONROE ST***	***WNW 1/4 - 1/2 (0.312 mi.)***	***18***	***87***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JONE'S REST HOME (FO	***2915 MONROE ST***	***WNW 1/4 - 1/2 (0.312 mi.)***	***18***	***87***
Reg Id: 510071				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ORCHARD MACHINERY CO	***2700 COLUSA HIGHWAY***	***SSW 1/8 - 1/4 (0.191 mi.)***	***15***	***56***

EXECUTIVE SUMMARY

Reg Id: 5135002

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

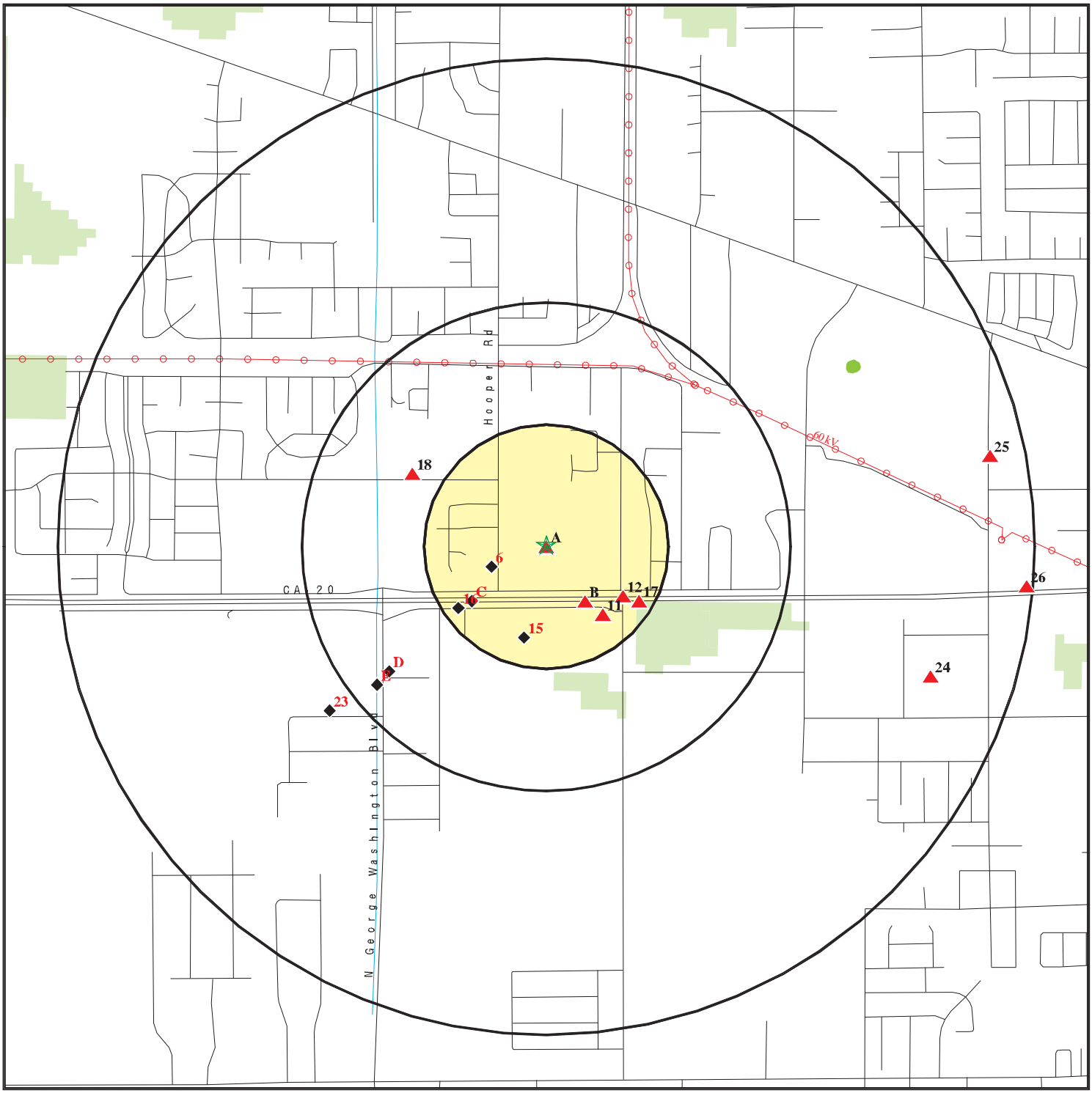
Lower Elevation	Address	Direction / Distance	Map ID	Page
CREATIONS BY SHELL	1048 HOOPER RD	WSW 0 - 1/8 (0.119 mi.)	6	14

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
ORCHARD MACHINERY CORPORATION	DRYCLEANERS
HARTER PACKING / HOME DEPOT	CPS-SLIC

OVERVIEW MAP - 6603319.2S



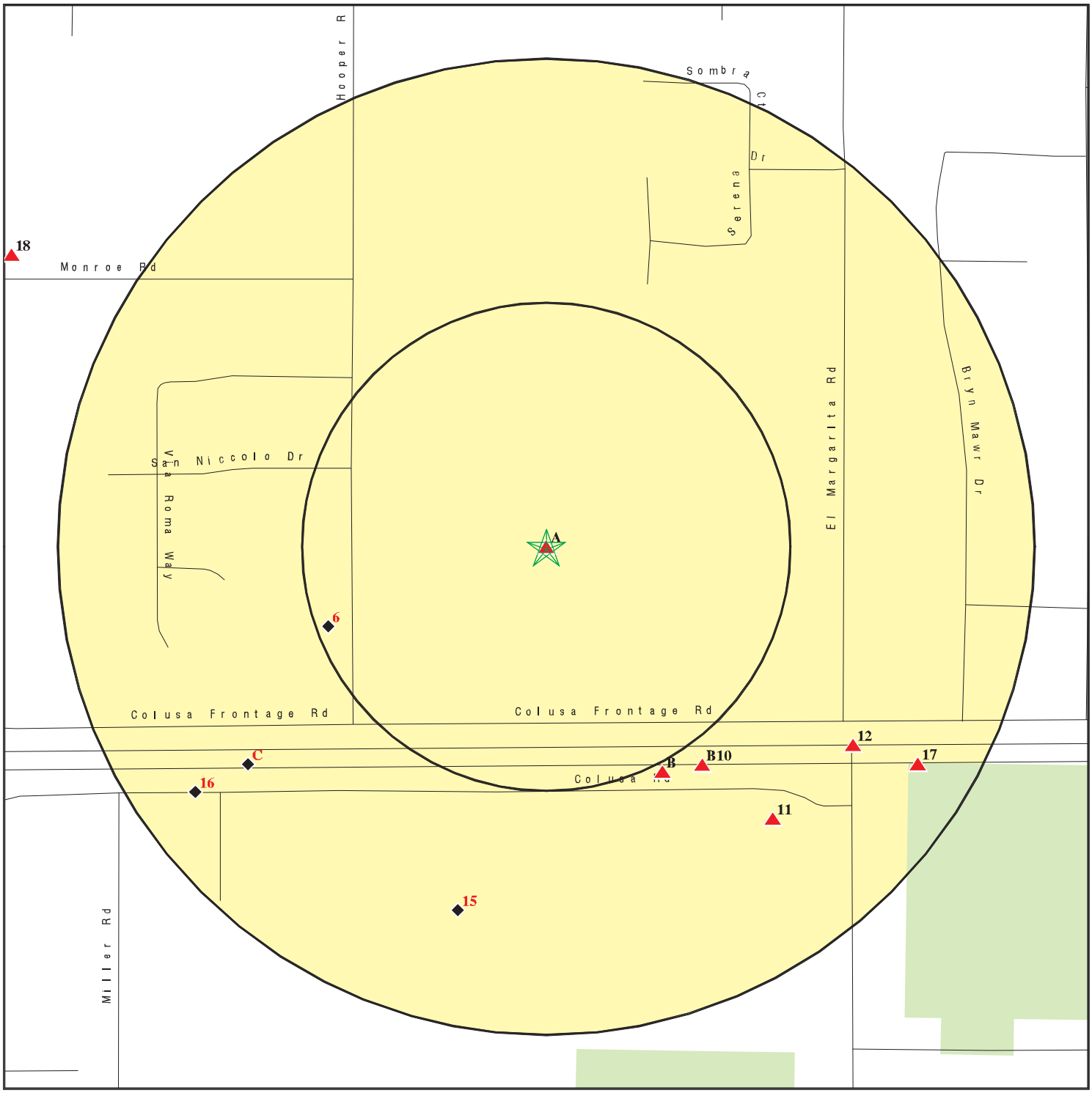
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 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:	Henson Ranch Project	CLIENT:	Marcus Bole and Associates
ADDRESS:	2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd Yuba City CA 95993	CONTACT:	Marcus H Bole
LAT/LONG:	39.142997 / 121.665359	INQUIRY #:	6603319.2s
		DATE:	August 03, 2021 11:17 am

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DETAIL MAP - 6603319.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Henson Ranch Project	CLIENT:	Marcus Bole and Associates
ADDRESS:	2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd Yuba City CA 95993	CONTACT:	Marcus H Bole
LAT/LONG:	39.142997 / 121.665359	INQUIRY #:	6603319.2s
		DATE:	August 03, 2021 11:18 am

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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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	2	NR	NR	2
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	2	NR	NR	NR	2
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	3	0	4	NR	7
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	1	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	2	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	1	0	NR	1
SCH	0.250		0	1	NR	NR	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	2	NR	NR	NR	2
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	1	0	2	NR	NR	NR	3
HIST UST	0.250	2	0	4	NR	NR	NR	6
CA FID UST	0.250	1	0	1	NR	NR	NR	2
CERS TANKS	0.250		0	1	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	0	0	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	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	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	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	1	NR	NR	2
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		8	1	19	7	4	0	39

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **LEONARD HENSON** **RCRA NonGen / NLR** **1024806508**
Target **2689 COLUSA HWY** **CAL000269309**
Property **YUBA CITY, CA 95993**

Site 1 of 5 in cluster A

Actual: **56 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2003-04-21 00:00:00.0
Handler Name:	LEONARD HENSON	
Handler Address:		2689 COLUSA HWY
Handler City,State,Zip:		YUBA CITY, CA 95993
EPA ID:		CAL000269309
Contact Name:		LEONARD HENSON
Contact Address:		2689 COLUSA HWY
Contact City,State,Zip:		YUBA CITY, CA 95993-9048
Contact Telephone:		530-674-0776
Contact Fax:		000-000-0000
Contact Email:		HENSONFARMS@COMCAST.NET
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:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2689 COLUSA HWY
Mailing City,State,Zip:		YUBA CITY, CA 95993-9048
Owner Name:		LEONARD HENSON
Owner Type:		Other
Operator Name:		LEONARD HENSON
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:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

LEONARD HENSON (Continued) **1024806508**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth 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
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
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:	2018-09-05 20:24:55.0
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:	Operator
Owner/Operator Name:	LEONARD HENSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2689 COLUSA HWY
Owner/Operator City,State,Zip:	YUBA CITY, CA 95993-9048
Owner/Operator Telephone:	530-674-0776
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LEONARD HENSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2689 COLUSA HWY
Owner/Operator City,State,Zip:	YUBA CITY, CA 95993-9048
Owner/Operator Telephone:	530-674-0776
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LEONARD HENSON (Continued) **1024806508**

Historic Generators:
- Receive Date: 2003-04-21 00:00:00.0
- Handler Name: LEONARD HENSON
- 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: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 111335
- NAICS Description: TREE NUT FARMING

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

A2 Target Property **LEONARD HENSON**
2689 COLUSA HWY
YUBA CITY, CA 95993

FINDS 1024666761
ECHO N/A

Site 2 of 5 in cluster A

Actual: 56 ft.

FINDS:
- Registry ID: 110070455155

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1024666761
- Registry ID: 110070455155
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070455155
- Name: LEONARD HENSON
- Address: 2689 COLUSA HWY
- City,State,Zip: YUBA CITY, CA 95993

A3 **KEITH R. CHURCHILL** **HIST UST** **U003730723**
Target **1139 HOOPER RD** **N/A**
Property **YUBA CITY, CA 95991**

Site 3 of 5 in cluster A

Actual: **56 ft.**

HIST UST:

Name:	KEITH R. CHURCHILL
Address:	1139 HOOPER RD
City,State,Zip:	YUBA CITY, CA 95991
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000042872
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	0000000000
Owner Name:	KEITH R. CHURCHILL
Owner Address:	1139 HOOPER ROAD
Owner City,St,Zip:	YUBA CITY, CA 95991
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1976
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, None

A4 **LEONARD HENSON** **HWTS** **S124843660**
Target **2689 COLUSA HWY** **N/A**
Property **YUBA CITY, CA 95993**

Site 4 of 5 in cluster A

Actual: **56 ft.**

HWTS:

Name:	LEONARD HENSON
Address:	2689 COLUSA HWY
Address 2:	Not reported
City,State,Zip:	YUBA CITY, CA 95993
EPA ID:	CAL000269309
Inactive Date:	Not reported
Create Date:	04/21/2003
Last Act Date:	07/13/2020
Mailing Name:	Not reported
Mailing Address:	2689 COLUSA HWY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	YUBA CITY, CA 959939048
Owner Name:	LEONARD HENSON
Owner Address:	2689 COLUSA HWY
Owner Address 2:	Not reported
Owner City,State,Zip:	YUBA CITY, CA 959939048
Contact Name:	LEONARD HENSON
Contact Address:	2689 COLUSA HWY
Contact Address 2:	Not reported
City,State,Zip:	YUBA CITY, CA 959939048

LEONARD HENSON (Continued) **S124843660**

NAICS:

EPA ID:	CAL000269309
Create Date:	2003-04-21 13:31:05.047
NAICS Code:	111335
NAICS Description:	Tree Nut Farming
Issued EPA ID Date:	2003-04-21 13:31:04.93700
Inactive Date:	Not reported
Facility Name:	LEONARD HENSON
Facility Address:	2689 COLUSA HWY
Facility Address 2:	Not reported
Facility City:	YUBA CITY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	95993

A5 **KEITH R. CHURCHILL** **SWEEPS UST** **S101629119**
Target **1139 HOOPER RD** **HIST UST** **N/A**
Property **YUBA CITY, CA 95991** **CA FID UST**

Site 5 of 5 in cluster A

Actual:
56 ft.

SWEEPS UST:

Name:	KEITH R. CHURCHILL
Address:	1139 HOOPER RD
City:	YUBA CITY
Status:	Active
Comp Number:	42872
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	51-000-042872-000001
Tank Status:	A
Capacity:	550
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	1

HIST UST:

Name:	KEITH R CHURCHILL
Address:	1139 HOOPER ROAD
City,State,Zip:	YUBA CITY, CA 95991
File Number:	0002D54D
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002D54D.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported

KEITH R. CHURCHILL (Continued) **S101629119**

Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	51000668
Regulated By:	UTNKA
Regulated ID:	00042872
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	1139 HOOPER RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	YUBA CITY 95991
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

---

6 **CREATIONS BY SHELL** **EDR Hist Auto** **1021968058**
WSW **1048 HOOPER RD** **N/A**
< 1/8 **YUBA CITY, CA 95993**
0.119 mi.
628 ft.

Relative: EDR Hist Auto
Lower

Actual:
55 ft.

Year:	Name:	Type:
1991	CREATIONS BY SHELL	Gasoline Service Stations
1992	CREATIONS BY SHELL	Gasoline Service Stations
1993	CREATIONS BY SHELL	Gasoline Service Stations

B7 **ORCHARD MACHINERY CORPORATION** **UST** **U004198327**
SSE **2700 COLUSA HWY** **N/A**
1/8-1/4 **YUBA CITY, CA**
0.130 mi.
684 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
56 ft.

SUTTER CO. UST:

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA
Region:	SUTTER
District:	Not reported
Contents:	DIESEL
Contaminant:	NO
Tanks Capacity:	10000
Removed:	REMOVED
Date Closed:	1/26/1989
Last Activity Date:	Not reported
Billing Status:	Not reported
Contents:	DIESEL
Contaminant:	NO
Tanks Capacity:	10000
Removed:	REMOVED
Date Closed:	1/26/1989
Last Activity Date:	Not reported
Billing Status:	Not reported
Contents:	DIESEL
Contaminant:	NO
Tanks Capacity:	10000
Removed:	REMOVED
Date Closed:	1/26/1989
Last Activity Date:	Not reported
Billing Status:	Not reported
Contents:	DIESEL
Contaminant:	NO
Tanks Capacity:	10000
Removed:	REMOVED
Date Closed:	1/26/1989
Last Activity Date:	Not reported
Billing Status:	Not reported
Contents:	LEADED
Contaminant:	NO
Tanks Capacity:	10000
Removed:	REMOVED
Date Closed:	1/26/1989
Last Activity Date:	Not reported
Billing Status:	Not reported
Contents:	LEADED

ORCHARD MACHINERY CORPORATION (Continued) **U004198327**

Contaminant: NO
Tanks Capacity: 10000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: LEADED
Contaminant: NO
Tanks Capacity: 10000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: LEADED
Contaminant: NO
Tanks Capacity: 10000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: LEADED
Contaminant: NO
Tanks Capacity: 10000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: LEADED
Contaminant: NO
Tanks Capacity: 10000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: LEADED
Contaminant: NO
Tanks Capacity: 10000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: LEADED
Contaminant: NO
Tanks Capacity: 10000
Removed: REMOVED

ORCHARD MACHINERY CORPORATION (Continued) **U004198327**

Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: MOTOR OIL
Contaminant: NO
Tanks Capacity: 4000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: MOTOR OIL
Contaminant: NO
Tanks Capacity: 4000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: MOTOR OIL
Contaminant: NO
Tanks Capacity: 4000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: MOTOR OIL
Contaminant: NO
Tanks Capacity: 4000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: MOTOR OIL
Contaminant: NO
Tanks Capacity: 4000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: MOTOR OIL
Contaminant: NO
Tanks Capacity: 4000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

ORCHARD MACHINERY CORPORATION (Continued) **U004198327**

Contents: MOTOR OIL
Contaminant: NO
Tanks Capacity: 4000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

Contents: MOTOR OIL
Contaminant: NO
Tanks Capacity: 4000
Removed: REMOVED
Date Closed: 1/26/1989
Last Activity Date: Not reported
Billing Status: Not reported

B8 **ORCHARD MACHINERY CORPORATION** **SWEEPS UST** **1007249527**
SSE **2700 COLUSA HWY** **HWTS** **N/A**
1/8-1/4 **YUBA CITY, CA 95991**
0.130 mi.
684 ft. **Site 2 of 4 in cluster B**

Relative: **Higher**
Actual: **56 ft.**

SWEEPS UST:
Name: ORCHARD MACHINERY CORPORATION
Address: 2700 COLUSA HWY
City: YUBA CITY
Status: Not reported
Comp Number: 10962
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 51-000-010962-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 6

Name: ORCHARD MACHINERY CORPORATION
Address: 2700 COLUSA HWY
City: YUBA CITY
Status: Not reported
Comp Number: 10962
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 51-000-010962-000002
Tank Status: Not reported
Capacity: 10000

ORCHARD MACHINERY CORPORATION (Continued) **1007249527**

Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City:	YUBA CITY
Status:	Not reported
Comp Number:	10962
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	51-000-010962-000003
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City:	YUBA CITY
Status:	Not reported
Comp Number:	10962
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	51-000-010962-000004
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	OIL
STG:	PRODUCT
Content:	MOTOR OIL
Number Of Tanks:	Not reported

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City:	YUBA CITY
Status:	Not reported
Comp Number:	10962
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported

ORCHARD MACHINERY CORPORATION (Continued) **1007249527**

SWRCB Tank Id: 51-000-010962-000005
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: MOTOR OIL
Number Of Tanks: Not reported

Name: ORCHARD MACHINERY CORPORATION
Address: 2700 COLUSA HWY
City: YUBA CITY
Status: Not reported
Comp Number: 10962
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 51-000-010962-000006
Tank Status: Not reported
Capacity: 1500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

HWTS:
Name: ORCHARD MACHINERY CORPORATION
Address: 2700 COLUSA HWY
Address 2: Not reported
City,State,Zip: YUBA CITY, CA 95993
EPA ID: CAC003005051
Inactive Date: 06/10/2019
Create Date: 03/11/2019
Last Act Date: 06/11/2019
Mailing Name: Not reported
Mailing Address: 2700 COLUSA HWY
Mailing Address 2: Not reported
Mailing City,State,Zip: YUBA CITY, CA 95993
Owner Name: ROBERT DREYER
Owner Address: 2700 COLUSA HWY
Owner Address 2: Not reported
Owner City,State,Zip: YUBA CITY, CA 95993
Contact Name: ROBERT DREYER
Contact Address: 2700 COLUSA HWY
Contact Address 2: Not reported
City,State,Zip: YUBA CITY, CA 95993

NAICS:
EPA ID: CAC003005051
Create Date: 2019-03-11 16:15:17.340
NAICS Code: 333318
NAICS Description: Other Commercial and Service Industry Machinery Manufacturing
Issued EPA ID Date: 2019-03-11 16:15:17.35300

ORCHARD MACHINERY CORPORATION (Continued) **1007249527**

Inactive Date:	2019-06-10 16:15:17.32300
Facility Name:	ORCHARD MACHINERY CORPORATION
Facility Address:	2700 COLUSA HWY
Facility Address 2:	Not reported
Facility City:	YUBA CITY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	95993
EPA ID:	CAC003005051
Create Date:	2019-03-11 16:15:17.340
NAICS Code:	333318
NAICS Description:	Other Commercial and Service Industry Machinery Manufacturing
Issued EPA ID Date:	2019-03-11 16:15:17.35300
Inactive Date:	2019-06-10 16:15:17.32300
Facility Name:	ORCHARD MACHINERY CORPORATION
Facility Address:	2700 COLUSA HWY
Facility Address 2:	Not reported
Facility City:	YUBA CITY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	95993

B9 **ORCHARD MACHINERY CORPORATION** **RCRA-SQG** **1007200396**
SSE **2700 COLUSA HWY** **CAL000190933**
1/8-1/4 **YUBA CITY, CA 95993**
0.130 mi.
684 ft. **Site 3 of 4 in cluster B**

Relative: RCRA-SQG:
Higher

Actual: Date Form Received by Agency: 2002-02-13 00:00:00.0
56 ft. Handler Name: ORCHARD MACHINERY CORPORATION

Handler Address:	2700 COLUSA HWY
Handler City,State,Zip:	YUBA CITY, CA 95993
EPA ID:	CAL000190933
Contact Name:	ALAN BRANDT
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	530-673-2822
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2700 COLUSA HWY
Mailing City,State,Zip:	YUBA CITY, CA 95993
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported

ORCHARD MACHINERY CORPORATION (Continued) **1007200396**

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 Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth 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
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
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:	2006-09-05 00:00:00.0
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

ORCHARD MACHINERY CORPORATION (Continued) **1007200396**

Biennial: List of Years
Year: 2001

Click Here for Biennial Reporting System Data:

Historic Generators:

Receive Date:	2002-02-13 00:00:00.0
Handler Name:	ORCHARD MACHINERY CORPORATION
Federal Waste Generator Description:	Small Quantity Generator
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:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2002-02-13 00:00:00.0
Handler Name:	ORCHARD MACHINERY CORPORATION
Federal Waste Generator Description:	Large Quantity Generator
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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	333111
NAICS Description:	FARM MACHINERY AND EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2001-03-29 00:00:00.0
Actual Return to Compliance Date:	2004-03-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	2001-03-29 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported

ORCHARD MACHINERY CORPORATION (Continued) **1007200396**

Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

ORCHARD MACHINERY CORPORATION (Continued) **1007200396**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	2001-03-29 00:00:00.0
Actual Return to Compliance Date:	2004-03-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	500
Date of Enforcement Action:	2003-01-15 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2001-03-29 00:00:00.0
Actual Return to Compliance Date:	2004-03-21 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	500
Date of Enforcement Action:	2003-01-15 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

ORCHARD MACHINERY CORPORATION (Continued) **1007200396**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 2001-03-29 00:00:00.0
Actual Return to Compliance Date: 2004-03-21 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 2001-03-29 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

ORCHARD MACHINERY CORPORATION (Continued) **1007200396**

Evaluation Action Summary:

Evaluation Date:	2001-03-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-03-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2005-03-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2001-03-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-03-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2001-03-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-03-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2001-03-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE

ORCHARD MACHINERY CORPORATION (Continued) **1007200396**

Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	2004-03-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

B10 **FARM DEALER** **HIST UST** **U003730682**
SE **2800 COLUSA HWY** **N/A**
1/8-1/4 **YUBA CITY, CA 95991**
0.137 mi.
724 ft. **Site 4 of 4 in cluster B**

Relative:
Higher

Actual:
56 ft.

HIST UST:

Name:	FARM DEALER
Address:	2800 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95991
File Number:	00022DD9
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022DD9.pdf
Region:	STATE
Facility ID:	00000034888
Facility Type:	Other
Other Type:	FARM IMPL. DLR.
Contact Name:	HAROLD S. GRIFFITH
Telephone:	9166742800
Owner Name:	GRIFFITH IMPLEMENT CO., INC.
Owner Address:	2800 COLUSA HWY
Owner City,St,Zip:	YUBA CITY, CA 95991
Total Tanks:	0002
Tank Num:	001
Container Num:	001
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	002
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

11
SE
1/8-1/4
0.181 mi.
956 ft.

HONDA YAMAHA SPORTS CENTER
2530 COLUSA HWY
YUBA CITY, CA 95993

CERS HAZ WASTE
HAZNET
CERS
HWTS

S113114466
N/A

Relative:
Higher

Actual:
56 ft.

CERS HAZ WASTE:
Name: WORK & PLAY POWERSPORTS
Address: 2530 COLUSA HWY
City,State,Zip: YUBA CITY, CA 95993
Site ID: 123155
CERS ID: 10195165
CERS Description: Hazardous Waste Generator

HAZNET:
Name: HONDA YAMAHA SPORTS CENTER
Address: 2530 COLUSA HWY
Address 2: Not reported
City,State,Zip: YUBA CITY, CA 959930000
Contact: MONIQUE MILNER
Telephone: 5306735676
Mailing Name: Not reported
Mailing Address: 2530 COLUSA HWY

Year: 2017
Gepaid: CAL000226364
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Year: 2010
Gepaid: CAL000226364
TSD EPA ID: CA0000084517
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03336

Year: 2009
Gepaid: CAL000226364
TSD EPA ID: CA0000084517
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25854

Year: 2008
Gepaid: CAL000226364
TSD EPA ID: CA0000084517
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.24603

Year: 2007
Gepaid: CAL000226364
TSD EPA ID: CA0000084517

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.20016

Year: 2006
Gepaid: CAL000226364
TSD EPA ID: CA0000084517
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02919

Additional Info:
Year: 2009
Gen EPA ID: CAL000226364

Shipment Date: 20091118
Creation Date: 1/8/2010 18:30:49
Receipt Date: 20091118
Manifest ID: 002323196SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D039
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.03753
Waste Quantity: 9
Quantity Unit: G
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

Shipment Date: 20091014
Creation Date: 11/25/2009 18:30:17
Receipt Date: 20091014
Manifest ID: 002170925SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D039

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
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
Shipment Date:	20090825
Creation Date:	9/25/2009 18:30:20
Receipt Date:	20090825
Manifest ID:	002131925SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20090714
Creation Date:	8/12/2009 18:30:19
Receipt Date:	20090714
Manifest ID:	002008504SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090602
Creation Date:	6/30/2009 18:30:19
Receipt Date:	20090602
Manifest ID:	001947780SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
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
Shipment Date:	20090422
Creation Date:	5/23/2009 18:30:08
Receipt Date:	20090422
Manifest ID:	001924833SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20090313
Creation Date:	4/8/2009 18:31:11
Receipt Date:	20090313

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Manifest ID:	001744699SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
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

Shipment Date:	20090127
Creation Date:	3/10/2009 18:30:21
Receipt Date:	20090127
Manifest ID:	001715724SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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

Additional Info:

Year:	2017
Gen EPA ID:	CAL000226364

Shipment Date:	20170331
Creation Date:	5/4/2018 18:30:52
Receipt Date:	20170414
Manifest ID:	016764977JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
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

Additional Info:

Year:	2010
Gen EPA ID:	CAL000226364
Shipment Date:	20100108
Creation Date:	3/5/2010 18:30:38
Receipt Date:	20100108
Manifest ID:	002351162SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
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

Additional Info:

Year:	2008
Gen EPA ID:	CAL000226364
Shipment Date:	20081212
Creation Date:	1/14/2009 18:30:27
Receipt Date:	20081212
Manifest ID:	001579742SKS

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20081022
Creation Date:	11/18/2008 18:30:24
Receipt Date:	20081022
Manifest ID:	001553743SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20080918
Creation Date:	10/21/2008 18:30:17
Receipt Date:	20080918
Manifest ID:	001526037SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20080807
Creation Date:	9/12/2008 18:30:07
Receipt Date:	20080807
Manifest ID:	001277495SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20080625
Creation Date:	8/8/2008 18:30:37
Receipt Date:	20080625
Manifest ID:	001206119SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Quantity Unit:	G
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
Shipment Date:	20080513
Creation Date:	7/3/2008 18:30:14
Receipt Date:	20080513
Manifest ID:	001206353SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
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
Shipment Date:	20080402
Creation Date:	5/16/2008 18:30:16
Receipt Date:	20080402
Manifest ID:	001063646SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
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

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Shipment Date:	20080222
Creation Date:	4/3/2008 18:30:13
Receipt Date:	20080222
Manifest ID:	001022123SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
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

Additional Info:

Year:	2006
Gen EPA ID:	CAL000226364

Shipment Date:	20061205
Creation Date:	3/30/2007 13:33:55
Receipt Date:	20061205
Manifest ID:	001825995JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC 000760
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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

Additional Info:

Year:	2007

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Gen EPA ID:	CAL000226364
Shipment Date:	20071127
Creation Date:	2/29/2008 18:30:25
Receipt Date:	20071127
Manifest ID:	000721059SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20070828
Creation Date:	2/5/2008 18:30:26
Receipt Date:	20070828
Manifest ID:	000612573SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
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
Shipment Date:	20070718
Creation Date:	11/3/2007 18:30:43
Receipt Date:	20070718
Manifest ID:	000567031SKS
Trans EPA ID:	TXR000050930

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20070523
Creation Date:	10/18/2007 18:30:07
Receipt Date:	20070523
Manifest ID:	000162831SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20070411
Creation Date:	8/23/2007 18:30:40
Receipt Date:	20070411
Manifest ID:	000267052SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20070228
Creation Date:	8/9/2007 18:30:58
Receipt Date:	20070228
Manifest ID:	000228646SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC 000760
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
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
Shipment Date:	20070119
Creation Date:	4/19/2007 18:32:27
Receipt Date:	20070119
Manifest ID:	000193336SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

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

CERS:
Name: WORK & PLAY POWERSPORTS
Address: 2530 COLUSA HWY
City,State,Zip: YUBA CITY, CA 95993
Site ID: 123155
CERS ID: 10195165
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 123155
Site Name: WORK & PLAY POWERSPORTS
Violation Date: 03-07-2017
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)G . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing EquipmentG . 3) Lamps shall be marked with G Universal Waste-Lamp(s)G . 4)Each electronic devices or the container or the designated area shall be marked with G Universal Waste-Electronic Device(s)G . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)G . 6) CRT glass or the designated area shall be marked with G Universal Waste-CRT glassG .
Violation Notes: Returned to compliance on 04/12/2017.
Violation Division: Sutter County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 123155
Site Name: WORK & PLAY POWERSPORTS
Violation Date: 01-09-2020
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 02/12/2020.
Violation Division: Sutter County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 123155
Site Name: WORK & PLAY POWERSPORTS

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Violation Date:	02-27-2014
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes:	Returned to compliance on 03/19/2014.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	02-27-2014
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 03/19/2014.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	01-09-2020
Citation:	22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description:	Failure to accumulate universal waste for one year or less and to demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes:	Returned to compliance on 02/12/2020.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	01-09-2020
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 02/12/2020.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	03-07-2017
Citation:	22 CCR 16 66266.81(a)(3) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(a)(3)
Violation Description:	Failure of facilities that accept spent lead acid batteries in exchange or partial exchange for operable lead-acid storage batteries to comply with the following storage requirements : 1) Storing more than one ton of spent batteries at any one location for more than 180

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

	days. 2) Storing one ton or less of spent batteries at any one location for more than one year, or 3) Removing the electrolyte.
Violation Notes:	Returned to compliance on 04/12/2017.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	01-09-2020
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)G . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing EquipmentG . 3) Lamps shall be marked with G Universal Waste-Lamp(s)G . 4)Each electronic devices or the container or the designated area shall be marked with G Universal Waste-Electronic Device(s)G . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)G . 6) CRT glass or the designated area shall be marked with G Universal Waste-CRT glassG .
Violation Notes:	Returned to compliance on 02/12/2020.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	01-09-2020
Citation:	40 CFR 1 265.171 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.171
Violation Description:	Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes:	Returned to compliance on 02/12/2020.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	01-09-2020
Citation:	22 CCR 16 66266.81(a)(3) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(a)(3)
Violation Description:	Failure of facilities that accept spent lead acid batteries in exchange or partial exchange for operable lead-acid storage batteries to comply with the following storage requirements : 1) Storing more than one ton of spent batteries at any one location for more than 180 days. 2) Storing one ton or less of spent batteries at any one location for more than one year, or 3) Removing the electrolyte.
Violation Notes:	Returned to compliance on 02/12/2020.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	03-07-2017
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 04/12/2017.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	03-07-2017
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes:	Returned to compliance on 04/12/2017.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	01-09-2020
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 02/12/2020.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	03-07-2017
Citation:	22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description:	Failure to accumulate universal waste for one year or less and to demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes:	Returned to compliance on 04/12/2017.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	03-07-2017
Citation:	22 CCR 16 66266.81(b) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(b)

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Violation Description:	Failure to properly store damaged lead acid batteries in a nonreactive, structurally secure, closed container, and/or failure to label damaged lead acid battery with the date that the first battery in the container was placed there with ink, paint or other weather-resistant material so as to minimize the release of acid and lead.
Violation Notes:	Returned to compliance on 04/12/2017.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	03-07-2017
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 04/12/2017.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	03-07-2017
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 04/12/2017.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS
Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Violation Date:	01-09-2020
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes:	Returned to compliance on 02/12/2020.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-09-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Sutter County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-09-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Sutter County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-27-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Sutter County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-27-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Sutter County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-07-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Sutter County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-07-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Sutter County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Site Address:	2530 COLUSA HWY
Site City:	YUBA CITY
Site Zip:	95993
Enf Action Date:	01-09-2020
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Sutter County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Site ID:	123155
Site Name:	WORK & PLAY POWERSPORTS
Site Address:	2530 COLUSA HWY
Site City:	YUBA CITY
Site Zip:	95993
Enf Action Date:	03-07-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Sutter County Environmental Health
Enf Action Program:	HW
Enf Action Source:	CERS

Coordinates:

Site ID:	123155
Facility Name:	WORK & PLAY POWERSPORTS
Env Int Type Code:	HWG
Program ID:	10195165
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	39.140980
Longitude:	-121.663200

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	BEN MILNER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2530 COLUSA HWY
Affiliation City:	YUBA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95993
Affiliation Phone:	Not reported

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Affiliation Type Desc:	Operator
Entity Name:	BENJAMIN MILNER
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:	(530) 673-5676

Affiliation Type Desc:	Parent Corporation
Entity Name:	Work & Play Powersports
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Sutter County Env Health
Entity Title:	Not reported
Affiliation Address:	1130 Civic Center Boulevard
Affiliation City:	Yuba City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95993
Affiliation Phone:	(530) 822-7400

Affiliation Type Desc:	Environmental Contact
Entity Name:	MONIQUE MILNER
Entity Title:	Not reported
Affiliation Address:	2530 COLUSA HWY
Affiliation City:	YUBA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95993
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	BENJAMIN MILNER
Entity Title:	Not reported
Affiliation Address:	2530 COLUSA HWY
Affiliation City:	YUBA CITY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95993
Affiliation Phone:	(530) 673-5676

Affiliation Type Desc:	Identification Signer
Entity Name:	BEN MILNER
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

HONDA YAMAHA SPORTS CENTER (Continued) **S113114466**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: WORK & PLAY POWERSPORTS
Address: 2530 COLUSA HWY
Address 2: Not reported
City,State,Zip: YUBA CITY, CA 959930000
EPA ID: CAL000226364
Inactive Date: Not reported
Create Date: 03/14/2002
Last Act Date: 07/22/2020
Mailing Name: Not reported
Mailing Address: 2530 COLUSA HWY
Mailing Address 2: Not reported
Mailing City,State,Zip: YUBA CITY, CA 959939049
Owner Name: MILNER VENTURES, INC.
Owner Address: 2530 COLUSA HWY
Owner Address 2: Not reported
Owner City,State,Zip: YUBA CITY, CA 959939049
Contact Name: MONIQUE MILNER
Contact Address: 2530 COLUSA HWY
Contact Address 2: Not reported
City,State,Zip: YUBA CITY, CA 95993

NAICS:
EPA ID: CAL000226364
Create Date: 2020-03-02 12:04:30.043
NAICS Code: 441228
NAICS Description: Motorcycle, ATV, and All Other Motor Vehicle Dealers
Issued EPA ID Date: 2002-03-14 00:00:00
Inactive Date: Not reported
Facility Name: WORK & PLAY POWERSPORTS
Facility Address: 2530 COLUSA HWY
Facility Address 2: Not reported
Facility City: YUBA CITY
Facility County: Not reported
Facility State: CA
Facility Zip: 959930000

EPA ID: CAL000226364
Create Date: 2002-03-14 16:36:29.000
NAICS Code: 4413
NAICS Description: Automotive Parts, Accessories, and Tire Stores
Issued EPA ID Date: 2002-03-14 00:00:00
Inactive Date: Not reported
Facility Name: WORK & PLAY POWERSPORTS
Facility Address: 2530 COLUSA HWY
Facility Address 2: Not reported
Facility City: YUBA CITY
Facility County: Not reported
Facility State: CA
Facility Zip: 959930000

12
ESE
1/8-1/4
0.187 mi.
987 ft.

NEW HIGH SCHOOL SITE
EL MARGARITA ROAD/COLUSA HIGHWAY
YUBA CITY, CA 95993

ENVIROSTOR
SCH
CERS

S105629007
N/A

Relative:
Higher

Actual:
56 ft.

ENVIROSTOR:

Name:	NEW HIGH SCHOOL SITE
Address:	EL MARGARITA ROAD/COLUSA HIGHWAY
City,State,Zip:	YUBA CITY, CA 95993
Facility ID:	51010001
Status:	No Further Action
Status Date:	08/15/2000
Site Code:	104080
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	50
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Mark Malinowski
Division Branch:	Northern California Schools & Santa Susana
Assembly:	03
Senate:	04
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	39.1354
Longitude:	-121.6616
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic DDD DDE DDT
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	NEW HIGH SCHOOL SITE
Alias Type:	Alternate Name
Alias Name:	NEW HIGH SCHOOL SITE - PROPOSED
Alias Type:	Alternate Name
Alias Name:	YUBA CITY USD-NEW HI SCH/VCA
Alias Type:	Alternate Name
Alias Name:	YUBA CITY USD-NEW HIGH SCHOOL/CDE
Alias Type:	Alternate Name
Alias Name:	104051
Alias Type:	Project Code (Site Code)
Alias Name:	104080
Alias Type:	Project Code (Site Code)
Alias Name:	51010001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	03/31/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

NEW HIGH SCHOOL SITE (Continued) **S105629007**

Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/28/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/04/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/08/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	08/15/2000
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:	NEW HIGH SCHOOL SITE
Address:	EL MARGARITA ROAD/COLUSA HIGHWAY
City,State,Zip:	YUBA CITY, CA 95993
Facility ID:	51010001
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	50
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:	104080
Assembly:	03
Senate:	04
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	08/15/2000
Restricted Use:	NO
Funding:	School District

NEW HIGH SCHOOL SITE (Continued) **S105629007**

Latitude:	39.1354
Longitude:	-121.6616
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic, DDD, DDE, DDT
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	NEW HIGH SCHOOL SITE
Alias Type:	Alternate Name
Alias Name:	NEW HIGH SCHOOL SITE - PROPOSED
Alias Type:	Alternate Name
Alias Name:	YUBA CITY USD-NEW HI SCH/VCA
Alias Type:	Alternate Name
Alias Name:	YUBA CITY USD-NEW HIGH SCHOOL/CDE
Alias Type:	Alternate Name
Alias Name:	104051
Alias Type:	Project Code (Site Code)
Alias Name:	104080
Alias Type:	Project Code (Site Code)
Alias Name:	51010001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	03/31/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/28/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/04/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/08/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	08/15/2000
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

NEW HIGH SCHOOL SITE (Continued) **S105629007**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:
Name: NEW HIGH SCHOOL SITE
Address: EL MARGARITA ROAD/COLUSA HIGHWAY
City,State,Zip: YUBA CITY, CA 95993
Site ID: 340565
CERS ID: 51010001
CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: MARK MALINOWSKI
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

C13 **CALIFORNIA HUMAN DEVELOPMENT C** **SWEEPS UST** **S101629053**
SW **3026 COLUSA HWY** **CA FID UST** **N/A**
1/8-1/4 **YUBA CITY, CA 95991**
0.189 mi.
998 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
55 ft.

SWEEPS UST:
Name: CALIFORNIA HUMAN DEVELOPMENT C
Address: 3026 COLUSA HWY
City: YUBA CITY
Status: Not reported
Comp Number: 45154
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 51-000-045154-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 1

CA FID UST:
Facility ID: 51000328
Regulated By: UTNKI
Regulated ID: 00045154
Cortese Code: Not reported

CALIFORNIA HUMAN DEVELOPMENT C (Continued) **S101629053**

SIC Code:	Not reported
Facility Phone:	9166713820
Mail To:	Not reported
Mailing Address:	100 CARRIAGE SQ
Mailing Address 2:	Not reported
Mailing City,St,Zip:	YUBA CITY 95991
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

C14 **CALIFORNIA HUMAN DEVELOPMENT C** **UST** **U003714114**
SW **HIST UST** **N/A**
1/8-1/4 **YUBA CITY, CA**
0.189 mi.
998 ft. **Site 2 of 2 in cluster C**

Relative: SUTTER CO. UST:
Lower

Name:	CALIFORNIA HUMAN DEVELOPMENT C
Address:	Not reported
City,State,Zip:	YUBA CITY, CA
Region:	SUTTER
District:	Not reported
Contents:	LEADED
Contaminant:	NO
Tanks Capacity:	10000
Removed:	CLOSED
Date Closed:	12/20/1991
Last Activity Date:	Not reported
Billing Status:	Not reported

Actual:
55 ft.

HIST UST:

Name:	CALIFORNIA HUMAN DEVELOPMENT C
Address:	3026 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95991
File Number:	00022EAC
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022EAC.pdf
Region:	STATE
Facility ID:	00000045154
Facility Type:	Other
Other Type:	VOCATIONAL SCHOOL
Contact Name:	AL SHANNON
Telephone:	9166713820
Owner Name:	MARLENE BROCKER
Owner Address:	100 CARRIAGE SQUARE
Owner City,St,Zip:	YUBA CITY, CA 95991
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT

CALIFORNIA HUMAN DEVELOPMENT C (Continued) **U003714114**

Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

15
SSW
1/8-1/4
0.191 mi.
1011 ft.

ORCHARD MACHINERY CORP
2700 COLUSA HIGHWAY
YUBA CITY, CA 95991

ENVIROSTOR **U001618374**
HIST UST **N/A**
HIST CORTESE
NPDES

Relative:
Lower

Actual:
55 ft.

ENVIROSTOR:
Name: ORCHARD MACHINERY CORP
Address: 2700 COLUSA HIGHWAY
City,State,Zip: YUBA CITY, CA 95991
Facility ID: 51350002
Status: Inactive - Needs Evaluation
Status Date: 06/15/1995
Site Code: 101387
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Sacramento
Assembly: 03
Senate: 04
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 39.14030
Longitude: -121.6662
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * Pesticides - Rinse Waters * CONTAMINATED SOIL * UNSPECIFIED SOLVENT MIXTURES
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 101387
Alias Type: Project Code (Site Code)
Alias Name: 51350002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/20/1983
Comments: FACILITY IDENTIFIED FROM CMR INDEX.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening

ORCHARD MACHINERY CORP (Continued) **U001618374**

Completed Date: 06/15/1995
Comments: Site Screening completed. PEA required to assess potential contamination from onsite disposal.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/26/1987
Comments: SITE SCREENING DONE. PA RECOMMENDED BASED ON NATURE OF OPERATIONS.

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

HIST UST:
Name: ORCHARD MACHINERY CORPORATION
Address: 2700 COLUSA HIGHWAY
City,State,Zip: YUBA CITY, CA 95991
File Number: 00022EE6
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022EE6.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:
edr_fname: ORCHARD MACHINERY CORP
edr_fadd1: 2700 COLUSA
City,State,Zip: YUBA CITY, CA 95991
Region: CORTESE
Facility County Code: 51
Reg By: CALSI
Reg Id: 5135002

ORCHARD MACHINERY CORP (Continued) **U001618374**

NPDES:

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993
Facility Status:	Active
NPDES Number:	CAS000001
Region:	5S
Agency Number:	0
Regulatory Measure ID:	202752
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	5S51I019044
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/24/2004
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2700 Colusa Hwy
Discharge Name:	Orchard Machinery Corp
Discharge City:	Yuba City
Discharge State:	California
Discharge Zip:	95993
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5S
Regulatory Measure ID:	202752
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S51I019044
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	09/24/2004
Status:	Active
Status Date:	09/24/2004
Place Size:	8.3
Place Size Unit:	Acres

ORCHARD MACHINERY CORP (Continued) **U001618374**

Contact:	Clint Harris
Contact Title:	Safety and Compliance Coordinator
Contact Phone:	530-673-2822
Contact Phone Ext:	Not reported
Contact Email:	cha@shakermaker.com
Operator Name:	Orchard Machinery Corp
Operator Address:	2700 Colusa Hwy
Operator City:	Yuba City
Operator State:	California
Operator Zip:	95993
Operator Contact:	Clint Harris
Operator Contact Title:	Safety and Compliance Coordinator
Operator Contact Phone:	530-673-2822
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	cha@shakermaker.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Onsite Dry Wells
Certifier:	Clint Harris
Certifier Title:	Safety and Compliance Coordinator
Certification Date:	26-JUN-15
Primary Sic:	3523-Farm Machinery and Equipment
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	202752
Order Number:	97-03-DWQ

ORCHARD MACHINERY CORP (Continued) **U001618374**

Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S51I019044
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/24/2004
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Orchard Machinery Corp
Discharge Address:	2700 Colusa Hwy
Discharge City:	Yuba City
Discharge State:	California
Discharge Zip:	95993
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

ORCHARD MACHINERY CORP (Continued) **U001618374**

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S51I019044
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	09/24/2004
Operator Name:	Orchard Machinery Corp
Operator Address:	2700 Colusa Hwy
Operator City:	Yuba City
Operator State:	California
Operator Zip:	95993

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5S
Regulatory Measure ID:	202752
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S51I019044
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported

ORCHARD MACHINERY CORP (Continued) **U001618374**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	09/24/2004
Status:	Active
Status Date:	09/24/2004
Place Size:	8.3
Place Size Unit:	Acres
Contact:	Clint Harris
Contact Title:	Safety and Compliance Coordinator
Contact Phone:	530-673-2822
Contact Phone Ext:	Not reported
Contact Email:	cha@shakermaker.com
Operator Name:	Orchard Machinery Corp
Operator Address:	2700 Colusa Hwy
Operator City:	Yuba City
Operator State:	California
Operator Zip:	95993
Operator Contact:	Clint Harris
Operator Contact Title:	Safety and Compliance Coordinator
Operator Contact Phone:	530-673-2822
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	cha@shakermaker.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Onsite Dry Wells
Certifier:	Clint Harris

ORCHARD MACHINERY CORP (Continued) **U001618374**

Certifier Title:	Safety and Compliance Coordinator
Certification Date:	26-JUN-15
Primary Sic:	3523-Farm Machinery and Equipment
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	202752
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S51I019044
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/24/2004
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Orchard Machinery Corp
Discharge Address:	2700 Colusa Hwy
Discharge City:	Yuba City
Discharge State:	California
Discharge Zip:	95993
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported

ORCHARD MACHINERY CORP (Continued) **U001618374**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

---

16 **NELSON MFG CO INC** **RCRA-SQG** **1000385064**
SW **2860 COLUSA HWY** **ENVIROSTOR** **CAD029671484**
1/8-1/4 **YUBA CITY, CA 95991** **FINDS**
0.219 mi. **ECHO**
1157 ft.

Relative: **Lower**

Actual: **55 ft.**

RCRA-SQG:

Date Form Received by Agency:		1996-09-01 00:00:00.0
Handler Name:	NELSON MFG CO INC	
Handler Address:		2860 COLUSA HWY
Handler City,State,Zip:		YUBA CITY, CA 95991
EPA ID:		CAD029671484
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		1
Mailing Address:		2860 COLUSA HWY
Mailing City,State,Zip:		YUBA CITY, CA 95991
Owner Name:		Not reported
Owner Type:		Not reported

NELSON MFG CO INC (Continued) **1000385064**

Operator Name:	NOT REQUIRED
Operator Type:	Private
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 Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth 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
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
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:	2002-06-27 03:23:00.0
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:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

NELSON MFG CO INC (Continued) **1000385064**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ROBERT M NELSON
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name: NELSON MFG CO INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
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:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1980-07-21 00:00:00.0
Handler Name: NELSON MFG CO INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
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:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	333111
NAICS Description:	FARM MACHINERY AND EQUIPMENT MANUFACTURING

NELSON MFG CO INC (Continued) **1000385064**

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1985-03-07 00:00:00.0
Actual Return to Compliance Date:	1985-03-25 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	1985-03-25 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported

NELSON MFG CO INC (Continued) **1000385064**

Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NELSON MFG CO INC (Continued) **1000385064**

Evaluation Action Summary:

Evaluation Date:	1985-03-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1985-03-25 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1985-03-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1985-03-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ENVIROSTOR:

Name:	NELSON MFG CO INC
Address:	2860 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95991
Facility ID:	51350005
Status:	Refer: Other Agency
Status Date:	11/16/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported

NELSON MFG CO INC (Continued) **1000385064**

Supervisor: Referred - Not Assigned
Division Branch: Cleanup Sacramento
Assembly: 03
Senate: 04
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 39.14008
Longitude: -121.6684
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * CONTAMINATED SOIL * Sludge - Paint * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 110002642597
Alias Type: EPA (FRS #)
Alias Name: 51350005
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 05/01/1983
Comments: FACILITY IDENTIFIED FROM FIELD OBSERVATION.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/30/1987
Comments: SITE SCREENING DONE. WASTE GENERATION CONFIRMED FROM SAMPLES. SPILLAGE NOTED ONSITE, RECOMMEND PRELIMINARY ASSESSMENT (PA).

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

FINDS:
Registry ID: 110002642597

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

NELSON MFG CO INC (Continued) **1000385064**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000385064
Registry ID:	110002642597
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002642597
Name:	NELSON MFG CO INC
Address:	2860 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993

17
ESE
1/8-1/4
0.220 mi.
1163 ft.

Relative:
Higher

Actual:
57 ft.

ORCHARD MACHINERY CORP
2700 COLUSA HWY
YUBA CITY, CA 95993

CERS HAZ WASTE
HIST UST
CERS TANKS
WDS
CIWQS
CERS

U003714264
N/A

CERS HAZ WASTE:

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993
Site ID:	140230
CERS ID:	10194445
CERS Description:	Hazardous Waste Generator

HIST UST:

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95991
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000010962
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	9166732822
Owner Name:	ORCHARD MACHINERY CORPORATION
Owner Address:	2700 COLUSA HIGHWAY
Owner City,St,Zip:	YUBA CITY, CA 95991
Total Tanks:	0010
Tank Num:	001
Container Num:	2
Year Installed:	1979
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	1
Year Installed:	1979
Tank Capacity:	00010000
Tank Used for:	PRODUCT

ORCHARD MACHINERY CORP (Continued) **U003714264**

Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	1967
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	4
Year Installed:	1973
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	005
Container Num:	5
Year Installed:	1973
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	6
Year Installed:	1967
Tank Capacity:	00001500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	007
Container Num:	1
Year Installed:	1979
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	008
Container Num:	2
Year Installed:	1973
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

ORCHARD MACHINERY CORP (Continued) **U003714264**

Tank Num:	009
Container Num:	3
Year Installed:	1973
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	010
Container Num:	4
Year Installed:	1973
Tank Capacity:	00001500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

CERS TANKS:

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993
Site ID:	140230
CERS ID:	10194445
CERS Description:	Aboveground Petroleum Storage

WDS:

Name:	ORCHARD MACHINERY CORP
Address:	2700 Colusa Hwy
City:	YUBA CITY
Facility ID:	5S 51I019044
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	5306732822
Facility Contact:	BRANDT ALAN
Agency Name:	ORCHARD MACHINERY CORP
Agency Address:	2700 Colusa Hwy
Agency City,St,Zip:	Yuba City 959938927
Agency Contact:	BRANDT ALAN
Agency Telephone:	5306732822
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported

ORCHARD MACHINERY CORP (Continued) **U003714264**

Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Name:	ORCHARD MACHINERY CORP
Address:	2700 Colusa Hwy
City:	YUBA CITY
Facility ID:	5S 51I017988
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	5306732822
Facility Contact:	BRANDT ALAN
Agency Name:	ORCHARD MACHINERY CORP
Agency Address:	2700 Colusa Hwy
Agency City,St,Zip:	Yuba City 959938927
Agency Contact:	BRANDT ALAN
Agency Telephone:	5306732822
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order

ORCHARD MACHINERY CORP (Continued) **U003714264**

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993
Agency:	Orchard Machinery Corp
Agency Address:	2700 Colusa Hwy, Yuba City, CA 95993
Place/Project Type:	Industrial - Farm Machinery and Equipment
SIC/NAICS:	3523
Region:	5S
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	5S51I019044
NPDES Number:	CAS000001
Adoption Date:	01/01/1900
Effective Date:	09/24/2004
Termination Date:	01/01/1900
Expiration/Review Date:	01/01/1900
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	39.141383
Longitude:	-121.661818

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993
Agency:	Orchard Machinery Corp
Agency Address:	2700 Colusa Hwy, Yuba City, CA 95993
Place/Project Type:	Industrial - Farm Machinery and Equipment
SIC/NAICS:	3523
Region:	5S
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	5S51I017988
NPDES Number:	CAS000001
Adoption Date:	01/01/1900
Effective Date:	03/18/2003
Termination Date:	11/24/2004

ORCHARD MACHINERY CORP (Continued) **U003714264**

Expiration/Review Date:	01/01/1900
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	39.141383
Longitude:	-121.661818

CERS:

Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993
Site ID:	140230
CERS ID:	10194445
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	140230
Site Name:	ORCHARD MACHINERY CORPORATION
Violation Date:	07-10-2014
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 08/06/2014.
Violation Division:	Sutter County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	140230
Site Name:	ORCHARD MACHINERY CORPORATION
Violation Date:	07-02-2006
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit 2005-2006 annual report. Section B requires all annual reports to be submitted by July 1st of each year. Discharger did not submit report.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

Site ID:	140230
Site Name:	ORCHARD MACHINERY CORPORATION
Violation Date:	07-10-2014
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 08/06/2014.

ORCHARD MACHINERY CORP (Continued) **U003714264**

Violation Division: Sutter County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 140230
Site Name: ORCHARD MACHINERY CORPORATION
Violation Date: 07-10-2014
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide and maintain adequate secondary containment.
Violation Notes: Returned to compliance on 08/06/2014.
Violation Division: Sutter County Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 140230
Site Name: ORCHARD MACHINERY CORPORATION
Violation Date: 07-10-2014
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide training regarding: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan.
Violation Notes: Returned to compliance on 08/06/2014.
Violation Division: Sutter County Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 140230
Site Name: ORCHARD MACHINERY CORPORATION
Violation Date: 07-10-2014
Citation: 22 CCR 15 66265.52 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.52
Violation Description: Failure to include all of the following in the Contingency Plan: 1) A description of actions the facility personnel shall take response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility; 2) The plan shall describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services; 3) The plan shall list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and this list shall be kept up to date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates; 4) The plan shall include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list shall be kept up to date. In addition, the plan shall include the location and a physical description of each item on the list, and a brief outline of its capabilities; 5) The plan shall include an evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan shall describe signal(s)

ORCHARD MACHINERY CORP (Continued) **U003714264**

to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires). 6) The plan shall include the current telephone number of the California Emergency Management Agency; and 7) If the owner or operator has already prepared a Spill Prevention, Control, and Countermeasures (SPCC) or some other emergency or contingency plan, the owner or operator need only amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the re

Violation Notes: Returned to compliance on 08/06/2014.
Violation Division: Sutter County Environmental Health
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-20-2013
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: On 20 February 2013, Central Valley Regional Water Quality Control staff inspected the Orchard Machinery Corp facility located at 2700 Colusa Hwy in Yuba City. During the site inspection, staff determined that the SWPPP was generally complete. The SWPPP was last revised on 2004. Staff met with the parts manager, Clint Harris. The equipment manufacturing facility utilized state of the art manufacturing technologies which included; a robotic welding system for precise manufacturing; laser and plasma material cutting equipment; and environmentally safe painting and finishing equipment. The facility included: multiple shop areas; multiple fabricating areas, multiple painting areas; multiple warehouse areas; multiple parts storage areas and office areas. Staff observed both finished and unfinished equipment stored outside. Staff also observed metal and other equipment parts stored behind the facility. The facility had a combination of gravel, asphalt and concrete surfaces. The surface of the concrete was generally clean. According to Mr. Harris, the facility sweeps on a regular basis. Staff observed one section of the facility where the asphalt was heavily alligatored. Asphalt in poor condition is often hard to clean and pollutants can accumulate in the cracks increasing pollutants in storm water runoff. Storm water at the facility sheet flowed to multiple storm drains (see attached inspection report and photographs). The facility sampled at one location behind the paint shop. Waste oil, solvents, antifreeze and other hazardous liquids were stored inside a covered storage area. The facility had a power washing area. Wash water from the wash area flowed into a sump. The sump was pumped out on a regular
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sutter County Environmental Health
Eval Program: APSA
Eval Source: CERS

ORCHARD MACHINERY CORP (Continued) **U003714264**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sutter County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sutter County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sutter County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sutter County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sutter County Environmental Health
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 140230
Site Name: ORCHARD MACHINERY CORPORATION
Site Address: 2700 COLUSA HWY
Site City: YUBA CITY
Site Zip: 95993
Enf Action Date: 08-17-2006
Enf Action Type: Notice of Non-Compliance for Non-Filers
Enf Action Description: Notice of Non-Compliance for Non-Filers
Enf Action Notes: Notice of Storm Water Non-Compliance issued for failure to submit 2005-2006 Annual Storm Water Report.
Enf Action Division: Water Boards

ORCHARD MACHINERY CORP (Continued) **U003714264**

Enf Action Program: INDSTW
Enf Action Source: SMARTS

Coordinates:
Site ID: 140230
Facility Name: ORCHARD MACHINERY CORPORATION
Env Int Type Code: HWG
Program ID: 10194445
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 39.140300
Longitude: -121.666230

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2700 COLUSA HWY
Affiliation City: YUBA CITY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95993
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: DONALD MAYO
Entity Title: PRESIDENT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: DON MAYO
Entity Title: Not reported
Affiliation Address: 2700 COLUSA HWY.
Affiliation City: YUBA CITY
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95953
Affiliation Phone: (530) 673-2822

Affiliation Type Desc: Owner/Operator
Entity Name: Orchard Machinery Corp
Entity Title: Operator
Affiliation Address: 2700 Colusa Hwy
Affiliation City: Yuba City
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95993
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: ORCHARD MACHINERY CORPORATION

ORCHARD MACHINERY CORP (Continued) **U003714264**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Sutter County Env Health
Entity Title:	Not reported
Affiliation Address:	1130 Civic Center Boulevard
Affiliation City:	Yuba City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95993
Affiliation Phone:	(530) 822-7400
Affiliation Type Desc:	Document Preparer
Entity Name:	CLINT HARRIS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	CLINT HARRIS
Entity Title:	Not reported
Affiliation Address:	2700 COLUSA HIGHWAY
Affiliation City:	YUBA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95993
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	DONALD MAYO
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:	(530) 673-2822
Name:	ORCHARD MACHINERY CORPORATION
Address:	2700 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993
Site ID:	140230
CERS ID:	868976
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	140230

ORCHARD MACHINERY CORP (Continued) **U003714264**

Site Name:	ORCHARD MACHINERY CORPORATION
Violation Date:	07-10-2014
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 08/06/2014.
Violation Division:	Sutter County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	140230
Site Name:	ORCHARD MACHINERY CORPORATION
Violation Date:	07-02-2006
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit 2005-2006 annual report. Section B requires all annual reports to be submitted by July 1st of each year. Discharger did not submit report.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS
Site ID:	140230
Site Name:	ORCHARD MACHINERY CORPORATION
Violation Date:	07-10-2014
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 08/06/2014.
Violation Division:	Sutter County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	140230
Site Name:	ORCHARD MACHINERY CORPORATION
Violation Date:	07-10-2014
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to provide and maintain adequate secondary containment.
Violation Notes:	Returned to compliance on 08/06/2014.
Violation Division:	Sutter County Environmental Health
Violation Program:	APSA
Violation Source:	CERS
Site ID:	140230
Site Name:	ORCHARD MACHINERY CORPORATION
Violation Date:	07-10-2014
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

ORCHARD MACHINERY CORP (Continued) **U003714264**

Violation Description:	Failure to provide training regarding: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan.
Violation Notes:	Returned to compliance on 08/06/2014.
Violation Division:	Sutter County Environmental Health
Violation Program:	APSA
Violation Source:	CERS
Site ID:	140230
Site Name:	ORCHARD MACHINERY CORPORATION
Violation Date:	07-10-2014
Citation:	22 CCR 15 66265.52 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.52
Violation Description:	Failure to include all of the following in the Contingency Plan: 1) A description of actions the facility personnel shall take response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility; 2) The plan shall describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services; 3) The plan shall list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator and this list shall be kept up to date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates; 4) The plan shall include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list shall be kept up to date. In addition, the plan shall include the location and a physical description of each item on the list, and a brief outline of its capabilities; 5) The plan shall include an evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan shall describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires). 6) The plan shall include the current telephone number of the California Emergency Management Agency; and 7) If the owner or operator has already prepared a Spill Prevention, Control, and Countermeasures (SPCC) or some other emergency or contingency plan, the owner or operator need only amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the re
Violation Notes:	Returned to compliance on 08/06/2014.
Violation Division:	Sutter County Environmental Health
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-20-2013
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	On 20 February 2013, Central Valley Regional Water Quality Control

ORCHARD MACHINERY CORP (Continued) **U003714264**

staff inspected the Orchard Machinery Corp facility located at 2700 Colusa Hwy in Yuba City. During the site inspection, staff determined that the SWPPP was generally complete. The SWPPP was last revised on 2004. Staff met with the parts manager, Clint Harris. The equipment manufacturing facility utilized state of the art manufacturing technologies which included; a robotic welding system for precise manufacturing; laser and plasma material cutting equipment; and environmentally safe painting and finishing equipment. The facility included: multiple shop areas; multiple fabricating areas, multiple painting areas; multiple warehouse areas; multiple parts storage areas and office areas. Staff observed both finished and unfinished equipment stored outside. Staff also observed metal and other equipment parts stored behind the facility. The facility had a combination of gravel, asphalt and concrete surfaces. The surface of the concrete was generally clean. According to Mr. Harris, the facility sweeps on a regular basis. Staff observed one section of the facility where the asphalt was heavily alligatored. Asphalt in poor condition is often hard to clean and pollutants can accumulate in the cracks increasing pollutants in storm water runoff. Storm water at the facility sheet flowed to multiple storm drains (see attached inspection report and photographs). The facility sampled at one location behind the paint shop. Waste oil, solvents, antifreeze and other hazardous liquids were stored inside a covered storage area. The facility had a power washing area. Wash water from the wash area flowed into a sump. The sump was pumped out on a regular

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sutter County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sutter County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Sutter County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

ORCHARD MACHINERY CORP (Continued) **U003714264**

Eval Date:	07-10-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Sutter County Environmental Health
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Sutter County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-10-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Sutter County Environmental Health
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	140230
Site Name:	ORCHARD MACHINERY CORPORATION
Site Address:	2700 COLUSA HWY
Site City:	YUBA CITY
Site Zip:	95993
Enf Action Date:	08-17-2006
Enf Action Type:	Notice of Non-Compliance for Non-Filers
Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	Notice of Storm Water Non-Compliance issued for failure to submit 2005-2006 Annual Storm Water Report.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Coordinates:

Site ID:	140230
Facility Name:	ORCHARD MACHINERY CORPORATION
Env Int Type Code:	HWG
Program ID:	10194445
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	39.140300
Longitude:	-121.666230

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2700 COLUSA HWY

ORCHARD MACHINERY CORP (Continued) **U003714264**

Affiliation City:	YUBA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95993
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	DONALD MAYO
Entity Title:	PRESIDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	DON MAYO
Entity Title:	Not reported
Affiliation Address:	2700 COLUSA HWY.
Affiliation City:	YUBA CITY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95953
Affiliation Phone:	(530) 673-2822
Affiliation Type Desc:	Owner/Operator
Entity Name:	Orchard Machinery Corp
Entity Title:	Operator
Affiliation Address:	2700 Colusa Hwy
Affiliation City:	Yuba City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95993
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	ORCHARD MACHINERY CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Sutter County Env Health
Entity Title:	Not reported
Affiliation Address:	1130 Civic Center Boulevard
Affiliation City:	Yuba City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95993
Affiliation Phone:	(530) 822-7400
Affiliation Type Desc:	Document Preparer

ORCHARD MACHINERY CORP (Continued) **U003714264**

Entity Name:	CLINT HARRIS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	CLINT HARRIS
Entity Title:	Not reported
Affiliation Address:	2700 COLUSA HIGHWAY
Affiliation City:	YUBA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95993
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	DONALD MAYO
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:	(530) 673-2822

18
WNW
1/4-1/2
0.312 mi.
1647 ft.

JONE'S REST HOME (FORMER) **LUST** **S102431995**
2915 MONROE ST **Cortese** **N/A**
YUBA CITY, CA 95993 **HIST CORTESE**

Relative:
Higher

Actual:
56 ft.

LUST:

Name:	JONE'S REST HOME (FORMER)
Address:	2915 MONROE ST
City,State,Zip:	YUBA CITY, CA 95993
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0610100064
Global Id:	T0610100064
Latitude:	39.145917
Longitude:	-121.670454
Status:	Completed - Case Closed
Status Date:	06/28/2004
Case Worker:	AMB
RB Case Number:	510071
Local Agency:	SUTTER COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

JONE'S REST HOME (FORMER) (Continued) **S102431995**

Global Id: T0610100064
Contact Type: Regional Board Caseworker
Contact Name: Alan Buehler
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: alan.buehler@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0610100064
Contact Type: Local Agency Caseworker
Contact Name: KURT SCHOENWALD
Organization Name: SUTTER COUNTY
Address: Not reported
City: R5 UNKNOWN
Email: kschoenwald@co.sutter.ca.us
Phone Number: Not reported

LUST:
Global Id: T0610100064
Action Type: ENFORCEMENT
Date: 06/28/2004
Action: Closure/No Further Action Letter

Global Id: T0610100064
Action Type: Other
Date: 05/26/1996
Action: Leak Discovery

Global Id: T0610100064
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

LUST:
Global Id: T0610100064
Status: Open - Case Begin Date
Status Date: 05/26/1996

Global Id: T0610100064
Status: Open - Site Assessment
Status Date: 05/26/1996

Global Id: T0610100064
Status: Completed - Case Closed
Status Date: 06/28/2004

LUST REG 5:
Name: JONE'S REST HOME (FORMER)
Address: 2915 MONROE ST
City: YUBA CITY
Region: 5
Status: Case Closed
Case Number: 510071
Case Type: Drinking Water Aquifer affected

JONE'S REST HOME (FORMER) (Continued) **S102431995**

Substance: GASOLINE
Staff Initials: MK
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

CORTESE:

Name:	JONE'S REST HOME (FORMER)
Address:	2915 MONROE ST
City,State,Zip:	YUBA CITY, CA 95993
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0610100064
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

HIST CORTESE:

edr_fname:	JONE'S REST HOME (FORMER)
edr_fadd1:	2915 MONROE
City,State,Zip:	YUBA CITY, CA 95993
Region:	CORTESE
Facility County Code:	51
Reg By:	LTNKA
Reg Id:	510071

D19 **HELENA CHEMICAL CO** **SEMS-ARCHIVE** **1003879364**
SW **921 N GEORGE WASHINGTON BLVD** **CAD980819346**
1/4-1/2 **YUBA CITY, CA 95991**
0.410 mi.
2167 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
55 ft.

SEMS Archive:

Site ID:	0903334
EPA ID:	CAD980819346
Name:	HELENA CHEMICAL CO
Address:	921 N GEORGE WASHINGTON BLVD
Address 2:	Not reported
City,State,Zip:	YUBA CITY, CA 95991
Cong District:	02
FIPS Code:	06101
FF:	N

HELENA CHEMICAL CO (Continued) **1003879364**

NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0903334
EPA ID: CAD980819346
Site Name: HELENA CHEMICAL CO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1992-03-04 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0903334
EPA ID: CAD980819346
Site Name: HELENA CHEMICAL CO
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1992-03-04 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903334
EPA ID: CAD980819346
Site Name: HELENA CHEMICAL CO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1990-12-03 05:00:00
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903334
EPA ID: CAD980819346
Site Name: HELENA CHEMICAL CO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY

HELENA CHEMICAL CO (Continued) **1003879364**

SEQ:	1
Start Date:	1988-03-01 05:00:00
Finish Date:	1988-03-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf

D20 **HYDRAULIC EQUIPMENT SPECIALITY** **HIST Cal-Sites** **S105749963**
SW **921 NO GEORGE WASHINGTON BLVD** **HIST UST** **N/A**
1/4-1/2 **YUBA CITY, CA 95991** **CERS**
0.410 mi.
2167 ft. **Site 2 of 2 in cluster D**

Relative:
Lower

Actual:
55 ft.

Calsite:

Name:	HELENA CHEMICAL
Address:	921 N GEORGE WASHINGTON BLVD
City:	YUBA CITY
Region:	SACRAMENTO
Facility ID:	51510005
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	CC
Branch Name:	CENTRAL CALIFORNIA
File Name:	Not reported
State Senate District:	01011983
Status:	CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name:	CERTIFIED
Lead Agency:	N/A
NPL:	Not reported
SIC Code:	51
SIC Name:	WHOLESALE TRADE - NONDURABLE GOODS
Access:	Controlled
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
Staff Member Responsible for Site:	Not reported
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	CV
Region Water Control Board Name:	CENTRAL VALLEY
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	02
State Senate District Code:	04
Facility ID:	51510005
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01011983
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT

HYDRAULIC EQUIPMENT SPECIALITY (Continued) **S105749963**

Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	51510005
Activity:	DISC
Activity Name:	DISCOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03201983
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	51510005
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01211987
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0

HYDRAULIC EQUIPMENT SPECIALITY (Continued) **S105749963**

For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 921 N GEO WASH BLVD
Alternate City,St,Zip: YUBA CITY, CA 95991
Alternate Address: 921 NORTH GEORGE WASHINGTON BLVD
Alternate City,St,Zip: YUBA CITY, CA 95991
Alternate Address: 921 N GEORGE WASHINGTON BLVD
Alternate City,St,Zip: YUBA CITY, CA 95993
Background Info: Not reported
Comments Date: 01111991
Comments: DHS RCVD FIT PA- EPA RECOMMENDS HIGHER
Comments Date: 01111991
Comments: PRIORITY SSI 12-3-90.
Comments Date: 01211987
Comments: SITE SCREENING DONE
Comments Date: 03201983
Comments: FACILITY IDENTIFIED ID FROM PH BOOK
Comments Date: 05021983
Comments: INSPECTION(OTHER) CO HLTH. STORES EMPTY PEST CONTAINERS
Comments Date: 05021983
Comments: NEAR WELL WHICH HAS A BAD SEAL
Comments Date: 05091983
Comments: QUEST SENT
Comments Date: 05111983
Comments: WALTON FD. SITE HAS BEEN ACTIVE ABOUT
Comments Date: 05111983
Comments: 5 YRS; RETAIL OUTLET ONLY; FD THINK
Comments Date: 05111983
Comments: THEY DO NOT APPLY PESTICIDES
Comments Date: 05161983
Comments: QUEST REC'D. DISCH BLASTING SAND & WASH-
Comments Date: 05161983
Comments: WATER TO SURFACE WATER
Comments Date: 05191983
Comments: FACILITY DRIVE-BY DRIVE-BY. OBSERVED 50-100 DISCARDED
Comments Date: 05191983
Comments: PESTICIDE CONTAINERS ON DIRT
Comments Date: 05191983
Comments: GROUND PHOTOS SITE PHOTOS TAKEN
Comments Date: 05191983
Comments: CO HLTH. REC'D COMPLAINT THAT PEST ARE
Comments Date: 05191983
Comments: OFTEN SPILLED & WASHED INTO STORM DRAIN
Comments Date: 05201983
Comments: INSPECTION(STATE) CAL-OSHA. PEST CONTAINERS ARE CRUSHED
Comments Date: 05201983
Comments: AT THE SITE. SOME SPILLAGE OF PEST.
Comments Date: 05251983
Comments: DOHS/SES AGREED TO SAMPLE WELL AT SITE
Comments Date: 08091983
Comments: SAMPLE RESULTS CO HLTH. WELL SAMPLE RESULTS: NO DBCP &
Comments Date: 08091983
Comments: 0.006 PPB CONC. PARATHIONE.
Comments Date: 08191991
Comments: Records Search: Site Certified in 1983.
Comments Date: 09281983

HYDRAULIC EQUIPMENT SPECIALITY (Continued) **S105749963**

Comments:	FINAL STRATEGY SITE REFERRED: TO HWMB/ENF
ID Name:	Not reported
ID Value:	Not reported
Alternate Name:	HELENA CHEMICAL
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

HIST UST:

Name:	HYDRAULIC EQUIPMENT SPECIALITY
Address:	921 NO GEORGE WASHINGTON BLVD
City,State,Zip:	YUBA CITY, CA 95991
File Number:	00022E0E
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022E0E.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CERS:

Name:	HELENA CHEMICAL
Address:	921 N GEORGE WASHINGTON BLVD
City,State,Zip:	YUBA CITY, CA 95993
Site ID:	338196
CERS ID:	51510005
CERS Description:	State Response

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	STEVEN BECKER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E21
SW
1/4-1/2
0.447 mi.
2359 ft.

JOHN TAYLOR FERTILIZERS - YUBA CITY
900 NORTH GEORGE WASHINGTON BLVD
YUBA CITY, CA 95993

Site 1 of 2 in cluster E

CPS-SLIC S106855404
CERS N/A

Relative:
Lower

Actual:
55 ft.

CPS-SLIC:

Name:	JOHN TAYLOR FERTILIZERS - YUBA CITY
Address:	900 NORTH GEORGE WASHINGTON BLVD
City,State,Zip:	YUBA CITY, CA 95993-9062
Region:	STATE
Facility Status:	**Open - Verification Monitoring**
Status Date:	01/01/2014
Global Id:	SL185842946
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number:	Not reported
Latitude:	39.139974555
Longitude:	-121.672810678
Case Type:	Cleanup Program Site
Case Worker:	JJT
Local Agency:	Not reported
RB Case Number:	SL185842946
File Location:	Regional Board
Potential Media Affected:	Well used for drinking water supply
Potential Contaminants of Concern:	1,2,3-Trichloropropane (TCP), Other Chlorinated Hydrocarbons, Nitrate
Site History:	John Taylor Fertilizers found 1,2-dichloropropane and 1,2,3-trichloropropane in the second water-bearing zone, where many domestic water supply wells were located. In 2001, John Taylor Fertilizers excavated about 1,990 cubic yards of soil containing 1,2,3-trichloropropane. In 2004, John Taylor Fertilizers provided public water supply connections for the downgradient neighborhood, and destroyed the domestic supply wells. Groundwater remediation along the downgradient property boundary using Hydrogen Releasing Compound has been successful at removing the contaminants of concern from groundwater near the injection points.

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	JOHN TAYLOR FERTILIZERS - YUBA CITY
Address:	900 NORTH GEORGE WASHINGTON BLVD
City,State,Zip:	YUBA CITY, CA 95993-9062
Site ID:	233088
CERS ID:	SL185842946
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	AMY TERRELL - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title:	Not reported
Affiliation Address:	11020 SUN CENTER DRIVE #200
Affiliation City:	RANCHO CORDOVA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9164644680

E22
SW
1/4-1/2
0.447 mi.
2359 ft.

JOHN TAYLOR FERTILIZER
900 N. GEORGE WASHINGTON BLVD.
YUBA CITY, CA 95911

Site 2 of 2 in cluster E

SEMS-ARCHIVE **1015732834**
RCRA-SQG **CAD980815823**

Relative:
Lower

Actual:
55 ft.

SEMS Archive:

Site ID:	0903907
EPA ID:	CAD980815823
Name:	JOHN TAYLOR FERTILIZER
Address:	900 N. GEORGE WASHINGTON BLVD.
Address 2:	Not reported
City,State,Zip:	YUBA CITY, CA 95911
Cong District:	Not reported
FIPS Code:	06101
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0903907
EPA ID:	CAD980815823
Site Name:	JOHN TAYLOR FERTILIZER
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1993-04-27 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0903907
EPA ID:	CAD980815823
Site Name:	JOHN TAYLOR FERTILIZER
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1993-04-27 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0903907
EPA ID:	CAD980815823
Site Name:	JOHN TAYLOR FERTILIZER
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1

JOHN TAYLOR FERTILIZER (Continued) **1015732834**

Start Date:	1991-04-02 05:00:00
Finish Date:	1991-04-02 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

RCRA-SQG:

Date Form Received by Agency:	2011-04-26 00:00:00.0
Handler Name:	WILBUR ELLIS COMPANY
Handler Address:	900 N GEORGE WASHINGTON BLVD
Handler City,State,Zip:	YUBA CITY, CA 95993
EPA ID:	CAD980815823
Contact Name:	JAN THOMPSON
Contact Address:	P O BOX 516
Contact City,State,Zip:	HALSEY, OR 97348
Contact Telephone:	541-369-3624
Contact Fax:	541-369-2658
Contact Email:	JTHOMPSO@WILBURELLIS.COM
Contact Title:	SR ENV SPEC
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P O BOX 516
Mailing City,State,Zip:	HALSEY, OR 97348
Owner Name:	WILBUR ELLIS CO
Owner Type:	Private
Operator Name:	WILBUR ELLIS CO
Operator Type:	Private
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 Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline

JOHN TAYLOR FERTILIZER (Continued) **1015732834**

2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth 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
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
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:	2011-05-03 18:05:16.0
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

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WILBUR ELLIS CO
Legal Status:	Private
Date Became Current:	2000-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

JOHN TAYLOR FERTILIZER (Continued) **1015732834**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JOHN TAYLOR FERTILIZERS CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 15289
Owner/Operator City,State,Zip: SACRAMENTO, CA 95851
Owner/Operator Telephone: 916-991-4451
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: WILBUR ELLIS CO
Legal Status: Private
Date Became Current: 2000-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 345 CALIFORNIA ST
Owner/Operator City,State,Zip: SAN FRANCISCO, CA 94104-2644
Owner/Operator Telephone: 415-772-4000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2002-05-13 00:00:00.0
Handler Name: JOHN TAYLOR FERTILIZERS YUBA
Federal Waste Generator Description: Small Quantity Generator
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: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2011-04-26 00:00:00.0
Handler Name: WILBUR ELLIS COMPANY
Federal Waste Generator Description: Small Quantity Generator

JOHN TAYLOR FERTILIZER (Continued) **1015732834**

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:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	115112
NAICS Description:	SOIL PREPARATION, PLANTING, AND CULTIVATING
NAICS Code:	42291
NAICS Description:	FARM SUPPLIES WHOLESALERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

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23 SW 1/2-1 0.556 mi. 2935 ft. **TRI-R ENGINEERING** **ENVIROSTOR** **S100183395**
3105 INDUSTRIAL DR **N/A**
YUBA CITY, CA 95991

Relative: Lower

Actual: 54 ft.

ENVIROSTOR:

Name:	TRI-R ENGINEERING
Address:	3105 INDUSTRIAL DR
City,State,Zip:	YUBA CITY, CA 95991
Facility ID:	51170001
Status:	Refer: Other Agency
Status Date:	10/31/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Sacramento
Assembly:	03
Senate:	04
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	39.13822
Longitude:	-121.6736
APN:	NONE SPECIFIED

TRI-R ENGINEERING (Continued) **S100183395**

Past Use: NONE SPECIFIED
Potential COC: * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 51170001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/15/1983
Comments: FACILITY IDENTIFIED FROM PHONE BOOK.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/28/1987
Comments: SITE SCREENING DONE. NO FILE LOCATED, NO INFORMATION AVAILABLE.

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

24
ESE
1/2-1
0.831 mi.
4387 ft.

FEATHER RIVER ACADEMY **ENVIROSTOR** **S118757014**
LASSEN BOULEVARD/KLAMATH LANE **SCH** **N/A**
YUBA CITY, CA 95993

Relative:
Higher

Actual:
57 ft.

ENVIROSTOR:
Name: FEATHER RIVER ACADEMY
Address: LASSEN BOULEVARD/KLAMATH LANE
City,State,Zip: YUBA CITY, CA 95993
Facility ID: 51010004
Status: No Action Required
Status Date: 05/31/2002
Site Code: 104265
Site Type: School Investigation
Site Type Detailed: School
Acres: 3.9
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Assembly: 03
Senate: 04
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

FEATHER RIVER ACADEMY (Continued) **S118757014**

Funding: School District
Latitude: 39.13915
Longitude: -121.6507
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: FEATHER RIVER ACADEMY
Alias Type: Alternate Name
Alias Name: SUTTER COE-FEATHER RIVER ACADEMY
Alias Type: Alternate Name
Alias Name: SUTTER COUNTY OFFICE OF EDUCATION
Alias Type: Alternate Name
Alias Name: 104265
Alias Type: Project Code (Site Code)
Alias Name: 51010004
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: 05/31/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/22/2002
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: FEATHER RIVER ACADEMY
Address: LASSEN BOULEVARD/KLAMATH LANE
City,State,Zip: YUBA CITY, CA 95993
Facility ID: 51010004
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.9
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported

FEATHER RIVER ACADEMY (Continued) **S118757014**

Supervisor:	Jose Salcedo
Division Branch:	Northern California Schools & Santa Susana
Site Code:	104265
Assembly:	03
Senate:	04
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	05/31/2002
Restricted Use:	NO
Funding:	School District
Latitude:	39.13915
Longitude:	-121.6507
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	FEATHER RIVER ACADEMY
Alias Type:	Alternate Name
Alias Name:	SUTTER COE-FEATHER RIVER ACADEMY
Alias Type:	Alternate Name
Alias Name:	SUTTER COUNTY OFFICE OF EDUCATION
Alias Type:	Alternate Name
Alias Name:	104265
Alias Type:	Project Code (Site Code)
Alias Name:	51010004
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:	05/31/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	07/22/2002
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

25
ENE
1/2-1
0.927 mi.
4897 ft.

Relative:
Higher

Actual:
57 ft.

PACIFIC BELL
1301 THARP RD
YUBA CITY, CA 95993

ENVIROSTOR
LUST
CPS-SLIC
Cortese
HIST CORTESE
CERS

U003714270
N/A

ENVIROSTOR:

Name:	PACIFIC BELL
Address:	1301 THARP ROAD
City,State,Zip:	YUBA CITY, CA 95991
Facility ID:	51470001
Status:	Refer: RWQCB
Status Date:	11/09/1989
Site Code:	101432
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Sacramento
Assembly:	03
Senate:	04
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	39.14608
Longitude:	-121.6475
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	110002952047
Alias Type:	EPA (FRS #)
Alias Name:	SLT5S2103249
Alias Type:	GeoTracker Global ID
Alias Name:	T0610100068
Alias Type:	GeoTracker Global ID
Alias Name:	101432
Alias Type:	Project Code (Site Code)
Alias Name:	51470001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	10/18/1989
Comments:	FACILITY IDENTIFIED DEPARTMENT OF HEALTH SERVICES (DHS) RECEIVED A COPY OF A SITE ASSESSMENT PERFORMED BY VERSAR (CONSULTANTS). THE ORIGINAL WAS SENT TO SUTTER COUNTY.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening

PACIFIC BELL (Continued) **U003714270**

Completed Date: 11/08/1989
Comments: SITE SCREENING DONE APPROXIMATELY 25 CUBIC YARDS OF SOIL ARE CONTAMINATED. VERSAR PROPOSES REMOVAL OF SOIL. RWQCB IS ACTING AS LEAD AGENCY.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: PACIFIC BELL
Address: 1301 THARP RD
City,State,Zip: YUBA CITY, CA 95993
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0610100068
Global Id: T0610100068
Latitude: 39.146082
Longitude: -121.647543
Status: Completed - Case Closed
Status Date: 07/02/1997
Case Worker: AMB
RB Case Number: 510075
Local Agency: SUTTER COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0610100068
Contact Type: Regional Board Caseworker
Contact Name: Alan Buehler
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: alan.buehler@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0610100068
Contact Type: Local Agency Caseworker
Contact Name: KURT SCHOENWALD
Organization Name: SUTTER COUNTY
Address: Not reported
City: R5 UNKNOWN
Email: kschoenwald@co.sutter.ca.us
Phone Number: Not reported

LUST:
Global Id: T0610100068

PACIFIC BELL (Continued) **U003714270**

Action Type: ENFORCEMENT
Date: 07/02/1997
Action: Closure/No Further Action Letter

Global Id: T0610100068
Action Type: ENFORCEMENT
Date: 04/21/1997
Action: Unauthorized Release Form

Global Id: T0610100068
Action Type: ENFORCEMENT
Date: 04/21/1997
Action: Site Visit / Inspection / Sampling

Global Id: T0610100068
Action Type: Other
Date: 04/21/1997
Action: Leak Discovery

Global Id: T0610100068
Action Type: Other
Date: 04/21/1997
Action: Leak Reported

Global Id: T0610100068
Action Type: RESPONSE
Date: 05/30/1997
Action: Correspondence

Global Id: T0610100068
Action Type: RESPONSE
Date: 04/28/1997
Action: Other Report / Document

LUST:
Global Id: T0610100068
Status: Open - Case Begin Date
Status Date: 04/21/1997

Global Id: T0610100068
Status: Open - Site Assessment
Status Date: 04/21/1997

Global Id: T0610100068
Status: Completed - Case Closed
Status Date: 07/02/1997

LUST REG 5:
Name: PACIFIC BELL
Address: 1301 THARP RD
City: YUBA CITY
Region: 5
Status: Case Closed
Case Number: 510075
Case Type: Soil only

PACIFIC BELL (Continued) **U003714270**

Substance: DIESEL
Staff Initials: MK
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

SLIC REG 5:
Name: Pacific Bell Yuba City Site
Address: 1301 Tharp Rd
City: Yuba City
Region: 5
Facility Status: Remediation Underway
Unit: Facility is a Spill or site
Pollutant: TPH, Cd, Pb
Lead Agency: Not reported
Date Filed: / /
Report Date: 03/30/92
Date Added: Not reported
Date Closed: Not reported

CPS-SLIC:
Name: PACIFIC BELL YUBA CITY SITE
Address: 1301 THARP ROAD
City,State,Zip: YUBA CITY, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/02/1997
Global Id: SLT5S2103249
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number: Not reported
Latitude: 39.14636
Longitude: -121.647416
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: Not reported
RB Case Number: SLT5S210
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Not reported
Site History: The project file consists of two reports related to the release of hydraulic fluid that flowed into a holding pond. This Site is also associated with a leaky underground storage tank case (T0610100068), which requires no further action. The closure memorandum dated 2 July 1997 prepared by Water Board staff indicates the closure applies to the hydraulic fluid spill that occurred in 1988. Case SLT5S2103249 appears to be a duplicate of T0610100068.

Click here to access the California GeoTracker records for this facility:

CORTESE:
Name: PACIFIC BELL
Address: 1301 THARP RD
City,State,Zip: YUBA CITY, CA 95993
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0610100068

PACIFIC BELL (Continued) **U003714270**

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

HIST CORTESE:

edr_fname:	PACIFIC BELL
edr_fadd1:	1301 THARP
City,State,Zip:	YUBA CITY, CA 95991
Region:	CORTESE
Facility County Code:	51
Reg By:	LTNKA
Reg Id:	510075

CERS:

Name:	PACIFIC BELL YUBA CITY SITE
Address:	1301 THARP ROAD
City,State,Zip:	YUBA CITY, CA
Site ID:	218932
CERS ID:	SLT5S2103249
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	zzz - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title:	Not reported
Affiliation Address:	11020 SUN CENTER DRIVE #200
Affiliation City:	RANCHO CORDOVA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Name:	PACIFIC BELL
Address:	1301 THARP RD
City,State,Zip:	YUBA CITY, CA 95993
Site ID:	219759
CERS ID:	T0610100068
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker

PACIFIC BELL (Continued) **U003714270**

Entity Name:	KURT SCHOENWALD - SUTTER COUNTY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	R5 UNKNOWN
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Alan Buehler - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title:	Not reported
Affiliation Address:	11020 SUN CENTER DRIVE #200
Affiliation City:	RANCHO CORDOVA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

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26 **H & B MACHINERY (1)** **ENVIROSTOR** **S105688960**
East **1781 COLUSA HWY** **CPS-SLIC** **N/A**
1/2-1 **YUBA CITY, CA 95993** **VCP**
0.987 mi.
5211 ft.

Relative:
Higher

Actual:
57 ft.

ENVIROSTOR:

Name:	H & B MACHINERY (1)
Address:	1781 COLUSA HWY
City,State,Zip:	YUBA CITY, CA 95993
Facility ID:	51350007
Status:	No Further Action
Status Date:	07/10/2003
Site Code:	101557
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	2.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Fernando A. Amador
Division Branch:	Cleanup Sacramento
Assembly:	03
Senate:	04
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	39.10829
Longitude:	-121.6158
APN:	NONE SPECIFIED
Past Use:	MACHINE SHOP, MANUFACTURING - OTHER, PAINT/DEPAINT FACILITY
Potential COC:	Toluene Xylenes
Confirmed COC:	30550-NO 30593-NO
Potential Description:	NMA
Alias Name:	FORMER H&B MACHINERY
Alias Type:	Alternate Name

H & B MACHINERY (1) (Continued) **S105688960**

Alias Name: H & B MACHINERY
Alias Type: Alternate Name
Alias Name: 110002646673
Alias Type: EPA (FRS #)
Alias Name: SL0610197083
Alias Type: GeoTracker Global ID
Alias Name: 101557
Alias Type: Project Code (Site Code)
Alias Name: 51350007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/15/2002
Comments: ORDER/VCA-- Voluntary Cleanup Agreement (VCA) to conduct a Preliminary Endangerment Assessment (PEA) at the former H&B Machinery sites, located at 1781 Colusa Highway in Yuba City. This 2.4 acre site was used to assemble agriculture equipment, including painting. All buildings have been demolished. The proposed reuse for this site is commercial use. DTSC has reviewed and commented on a draft PEA (June 3, 2003). The PEA is incomplete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/15/1983
Comments: FACILITY IDENTIFIED FROM PHONE BOOK.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/03/2003
Comments: PEA/NFA--Completed review of Preliminary Endangerment Assessment (PEA) and PEA Addendum at the former H&B Machinery Site, located at 1781 Colusa Highway in Yuba City. This 2.4 acre site was used to assemble agriculture equipment, including painting. The proposed reuse for this site is a Walgreens Retail Shopping Center with parking. DTSC concurs with the PEA's recommendation for No Further Action for unrestricted use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/13/1987
Comments: SITE SCREENING DONE. RECOMMEND A PRELIMINARY ASSESSMENT BASED ON THE ONSITE DISPOSAL.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

H & B MACHINERY (1) (Continued) **S105688960**

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

SLIC REG 5:
Name: H&B Machinery (Former)**
Address: 1781 Colusa Highway
City: Yuba City
Region: 5
Facility Status: Preliminary Assessment
Unit: Facility is a Spill or site
Pollutant: xylene, toluene, heavy metals
Lead Agency: Not reported
Date Filed: 11/22/02
Report Date: / /
Date Added: Not reported
Date Closed: Not reported

VCP:
Name: H & B MACHINERY (1)
Address: 1781 COLUSA HWY
City,State,Zip: YUBA CITY, CA 95993
Facility ID: 51350007
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Fernando A. Amador
Division Branch: Cleanup Sacramento
Site Code: 101557
Assembly: 03
Senate: 04
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 07/10/2003
Restricted Use: NO
Funding: Not reported
Lat/Long: 39.10829 / -121.6158
APN: NONE SPECIFIED
Past Use: MACHINE SHOP, MANUFACTURING - OTHER, PAINT/DEPAINT FACILITY
Potential COC: 30550, 30593
Confirmed COC: 30550-NO,30593-NO
Potential Description: NMA
Alias Name: FORMER H&B MACHINERY
Alias Type: Alternate Name
Alias Name: H & B MACHINERY
Alias Type: Alternate Name
Alias Name: 110002646673

H & B MACHINERY (1) (Continued) **S105688960**

Alias Type: EPA (FRS #)
Alias Name: SL0610197083
Alias Type: GeoTracker Global ID
Alias Name: 101557
Alias Type: Project Code (Site Code)
Alias Name: 51350007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/15/2002
Comments: ORDER/VCA-- Voluntary Cleanup Agreement (VCA) to conduct a Preliminary Endangerment Assessment (PEA) at the former H&B Machinery sites, located at 1781 Colusa Highway in Yuba City. This 2.4 acre site was used to assemble agriculture equipment, including painting. All buildings have been demolished. The proposed reuse for this site is commercial use. DTSC has reviewed and commented on a draft PEA (June 3, 2003). The PEA is incomplete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/15/1983
Comments: FACILITY IDENTIFIED FROM PHONE BOOK.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/03/2003
Comments: PEA/NFA--Completed review of Preliminary Endangerment Assessment (PEA) and PEA Addendum at the former H&B Machinery Site, located at 1781 Colusa Highway in Yuba City. This 2.4 acre site was used to assemble agriculture equipment, including painting. The proposed reuse for this site is a Walgreens Retail Shopping Center with parking. DTSC concurs with the PEA's recommendation for No Further Action for unrestricted use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/13/1987
Comments: SITE SCREENING DONE. RECOMMEND A PRELIMINARY ASSESSMENT BASED ON THE ONSITE DISPOSAL.

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

H & B MACHINERY (1) (Continued) **S105688960**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ORPHAN SUMMARY

	Site Name	Site Address	Zip	Database(s)
7	ORCHARD MACHINERY CORPORATION	2700 COLUSA HWY	95993	DRYCLEANERS
4	HARTER PACKING / HOME DEPOT	HOOPER RD AND LIVE OAK BLVD		CPS-SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/05/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 04/01/2021
Number of Days to Update: 23
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

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: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: No Update Planned

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/15/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
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: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
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.

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: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 03/01/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 04/04/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 47

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 10/25/2021
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: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/17/2021
Next Scheduled EDR Contact: 08/30/2021
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: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 87

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/22/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
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: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

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: No Update Planned

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/23/2021
Date Data Arrived at EDR: 02/25/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/26/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
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: 03/01/2021
Date Data Arrived at EDR: 03/04/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 77

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
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: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/13/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 74

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74
Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
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: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/20/2021
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: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/19/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

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: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
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: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
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: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
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: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/30/2021
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: 04/22/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 01/28/2021
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/12/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/12/2021
Next Scheduled EDR Contact: 10/25/2021
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: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/02/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 81
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 04/07/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 73

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 07/15/2021
Number of Days to Update: 77

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/29/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
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: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/27/2021
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: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/11/2021
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: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 19

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/21/2021
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/01/2021
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: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/06/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: No Update Planned

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
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: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 09/12/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/29/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
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: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 03/01/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
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: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
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: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HENSON RANCH PROJECT
2689, 2665, 2689 COLUSA HWY, 1139 HOOPER RD
YUBA CITY, CA 95993

TARGET PROPERTY COORDINATES

Latitude (North):	39.142997 - 39˚ 8’ 34.79’’
Longitude (West):	121.665359 - 121˚ 39’ 55.29’’
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	615341.0
UTM Y (Meters):	4333285.0
Elevation:	56 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5603360 SUTTER, CA
Version Date:	2012

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

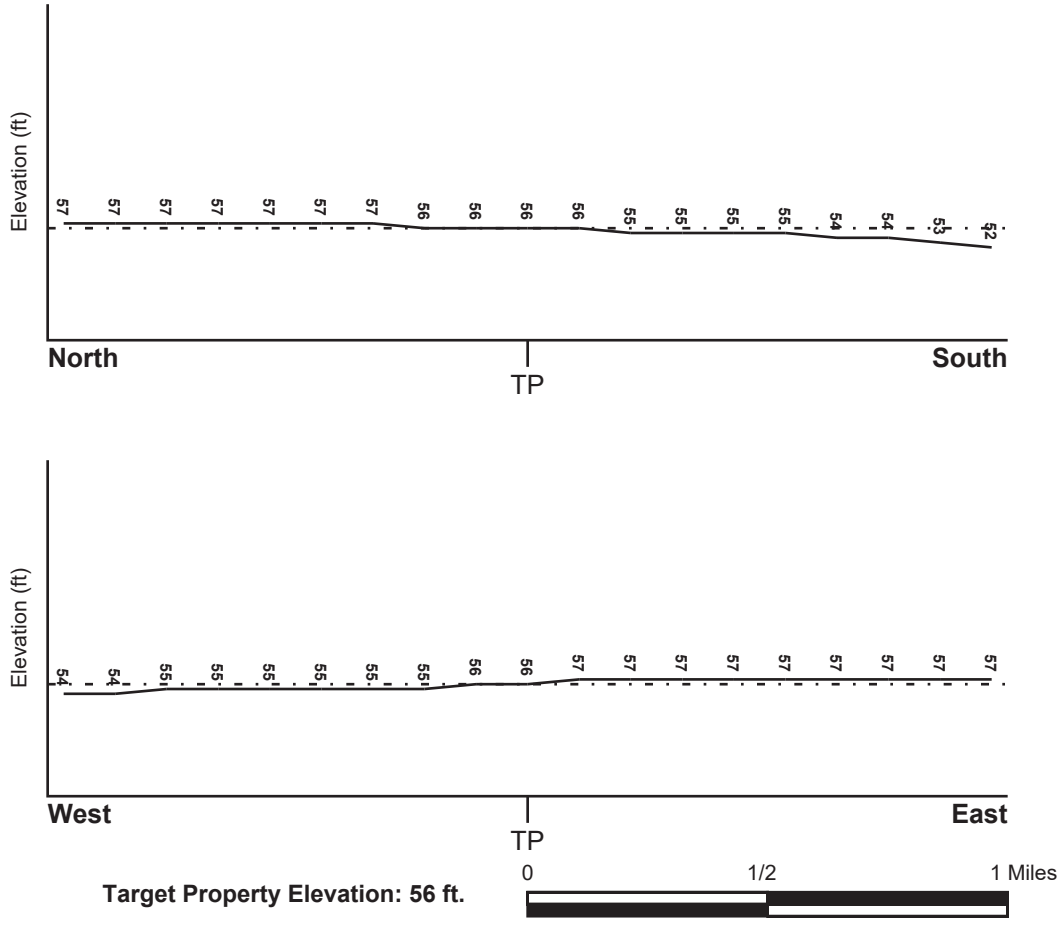
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
0603940090B	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
0603940080B	FEMA Q3 Flood data
0603940085B	FEMA Q3 Flood data
0603940095B	FEMA Q3 Flood data
0603940095E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SUTTER	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

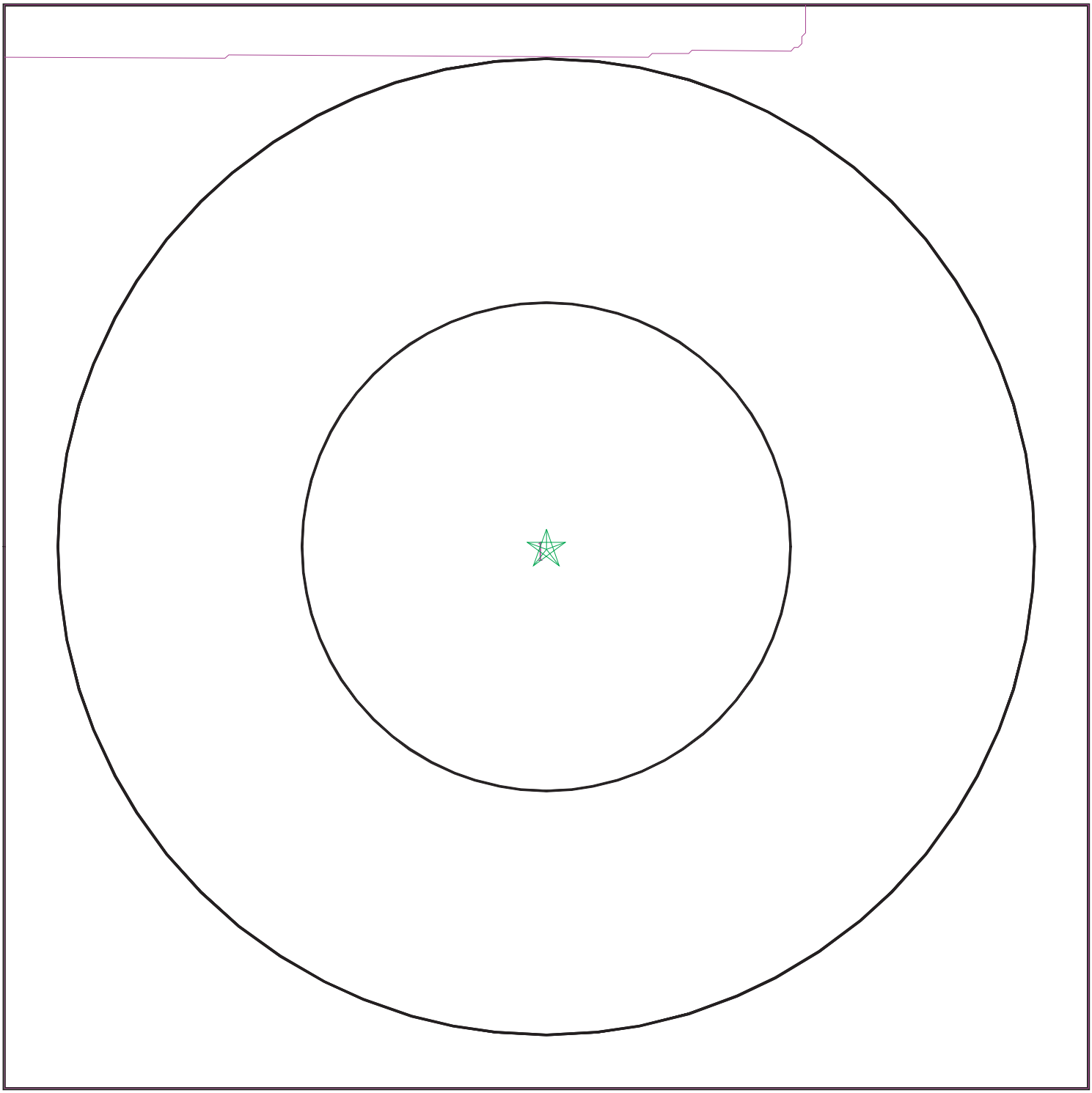
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6603319.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Henson Ranch Project	CLIENT:	Marcus Bole and Associates
ADDRESS:	2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd Yuba City CA 95993	CONTACT:	Marcus H Bole
LAT/LONG:	39.142997 / 121.665359	INQUIRY #:	6603319.2s
		DATE:	August 03, 2021 11:18 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Conejo

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	11 inches	42 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	42 inches	46 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Conejo

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	11 inches	42 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	42 inches	46 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D12	USGS40000192002	1/4 - 1/2 Mile WSW
18	USGS40000192083	1/4 - 1/2 Mile NE
19	USGS40000192096	1/4 - 1/2 Mile NNW
70	USGS40000192024	1/2 - 1 Mile West
K74	USGS40000191923	1/2 - 1 Mile South
K75	USGS40000191919	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

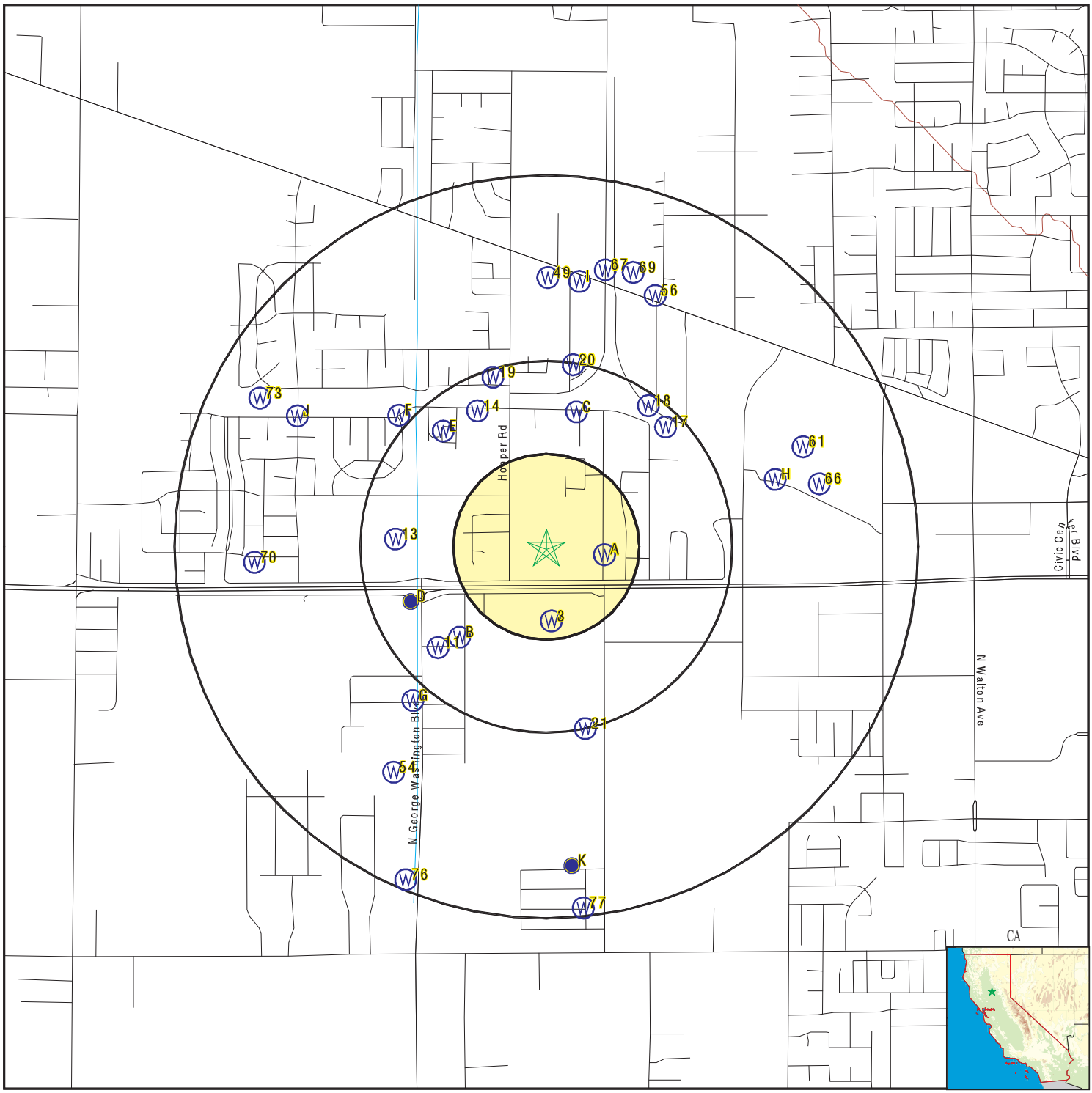
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	12570	1/8 - 1/4 Mile East
A2	CADDW0000020457	1/8 - 1/4 Mile East
3	CADDW0000005457	1/8 - 1/4 Mile South
B4	CADDW0000022698	1/4 - 1/2 Mile SW
B5	12576	1/4 - 1/2 Mile SW
B6	CADDW0000006580	1/4 - 1/2 Mile SW
C7	21093	1/4 - 1/2 Mile North
C8	CADDW0000015894	1/4 - 1/2 Mile NNE
D9	CADDW0000021541	1/4 - 1/2 Mile WSW
E10	CADDW0000013561	1/4 - 1/2 Mile NW
11	12577	1/4 - 1/2 Mile SW
13	CADDW0000011919	1/4 - 1/2 Mile West
14	CADDW0000022404	1/4 - 1/2 Mile NNW
E15	12563	1/4 - 1/2 Mile NW
E16	12569	1/4 - 1/2 Mile NW
17	12566	1/4 - 1/2 Mile NE
20	CADDW0000002460	1/4 - 1/2 Mile North
21	CADPR0000004456	1/2 - 1 Mile SSE
F22	12572	1/2 - 1 Mile NW
F23	CADDW0000006556	1/2 - 1 Mile NW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G24	CAEDF0000088891	1/2 - 1 Mile SW
G25	CAEDF0000020739	1/2 - 1 Mile SW
G26	CAEDF0000060339	1/2 - 1 Mile SW
H27	12567	1/2 - 1 Mile ENE
H28	CADDW0000003843	1/2 - 1 Mile ENE
I29	CAEDF0000130021	1/2 - 1 Mile North
I30	CAEDF0000062094	1/2 - 1 Mile North
I31	CAEDF0000099990	1/2 - 1 Mile North
I32	CAEDF0000098063	1/2 - 1 Mile North
I33	CAEDF0000134776	1/2 - 1 Mile North
I34	CAEDF0000053764	1/2 - 1 Mile North
I35	CAEDF0000133066	1/2 - 1 Mile North
I36	CAEDF0000103227	1/2 - 1 Mile North
I37	CAEDF0000098884	1/2 - 1 Mile North
I38	CAEDF0000056293	1/2 - 1 Mile North
I39	CAEDF0000009819	1/2 - 1 Mile North
I40	CAEDF0000032412	1/2 - 1 Mile North
I41	CAEDF0000084320	1/2 - 1 Mile North
I42	CAEDF0000042917	1/2 - 1 Mile North
I43	CAEDF0000065348	1/2 - 1 Mile North
I44	CAEDF0000046691	1/2 - 1 Mile North
I45	CAEDF0000124965	1/2 - 1 Mile North
I46	CAEDF0000000739	1/2 - 1 Mile North
I47	CAEDF0000075932	1/2 - 1 Mile North
I48	CAEDF0000031665	1/2 - 1 Mile North
49	12565	1/2 - 1 Mile North
I50	CAEDF0000092560	1/2 - 1 Mile North
I51	CAEDF0000042168	1/2 - 1 Mile North
I52	CAEDF0000107213	1/2 - 1 Mile North
I53	CAEDF0000064000	1/2 - 1 Mile North
54	CADDW0000005871	1/2 - 1 Mile SW
I55	CADDW0000016538	1/2 - 1 Mile North
56	CADDW0000014087	1/2 - 1 Mile NNE
I57	CAEDF0000111024	1/2 - 1 Mile North
I58	CAEDF0000069543	1/2 - 1 Mile North
I59	CAEDF0000092911	1/2 - 1 Mile North
I60	CAEDF0000080558	1/2 - 1 Mile North
61	CADDW0000002941	1/2 - 1 Mile ENE
I62	CAEDF0000042907	1/2 - 1 Mile North
I63	CAEDF0000051929	1/2 - 1 Mile North
J64	13019	1/2 - 1 Mile WNW
J65	22188	1/2 - 1 Mile WNW
66	21064	1/2 - 1 Mile ENE
67	CAEDF0000075569	1/2 - 1 Mile NNE
J68	CADDW0000001941	1/2 - 1 Mile WNW
69	CADWR9000041543	1/2 - 1 Mile NNE
K71	CAEDF0000020632	1/2 - 1 Mile South
K72	CAEDF0000114292	1/2 - 1 Mile South
73	CADDW0000018994	1/2 - 1 Mile WNW
76	CADDW0000018127	1/2 - 1 Mile SSW
77	CADDW0000009250	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 6603319.2s



- 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:	Henson Ranch Project	CLIENT:	Marcus Bole and Associates
ADDRESS:	2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd Yuba City CA 95993	CONTACT:	Marcus H Bole
LAT/LONG:	39.142997 / 121.665359	INQUIRY #:	6603319.2s
		DATE:	August 03, 2021 11:18 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
East
1/8 - 1/4 Mile
Higher

CA WELLS **12570**

Seq:	12570	Prim sta c:	15N/03E-17P03 M
Frds no:	5103014001	County:	51
District:	02	User id:	BUG
System no:	5103014	Water type:	G
Source nam:	EL MARGARITA	Station ty:	WELL/AMBNT
Latitude:	390834.0	Longitude:	1213943.0
Precision:	3	Status:	AR
Comment 1:	1150 EL MARGARITA YUBA CITY 95991	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:	5103014	System nam:	Louise Shaver Apartments
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

A2
East
1/8 - 1/4 Mile
Higher

CA WELLS **CADDW0000020457**

Well ID:	5103014-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	EL MARGARITA - 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=5103014-001&store_num=		
GeoTracker Data:	Not Reported		

3
South
1/8 - 1/4 Mile
Lower

CA WELLS **CADDW0000005457**

Well ID:	5100176-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	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=5100176-001&store_num=		
GeoTracker Data:	Not Reported		

B4
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000022698**

Well ID:	5100134-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		

Other Name:	MILLER RD	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=5100134-001&store_num=		
GeoTracker Data:	Not Reported		

B5
SW
1/4 - 1/2 Mile
Lower

CA WELLS **12576**

Seq:	12576	Prim sta c:	15N/03E-20D02 M
Frds no:	5100134001	County:	51
District:	02	User id:	BUG
System no:	5100134	Water type:	G
Source nam:	MILLER RD	Station ty:	WELL/AMBNT
Latitude:	390823.0	Longitude:	1214009.0
Precision:	3	Status:	AU
Comment 1:	952 MILLER RD YUBA CITY 95991	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:	5100134	System nam:	Arnoldy Water System
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	25	Connection:	0
Area serve:	Not Reported		

B6
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000006580**

Well ID:	5100173-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	GEORGE WASHINGTON - 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=5100173-001&store_num=		
GeoTracker Data:	Not Reported		

C7
North
1/4 - 1/2 Mile
Higher

CA WELLS **21093**

Seq:	21093	Prim sta c:	5101016-001
Frds no:	5101016001	County:	51
District:	02	User id:	BUG
System no:	5101016	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT
Latitude:	390854.7	Longitude:	1213948.3
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported

Comment 7:	Not Reported		
System no:	5101016	System nam:	Eagle Moulding Company
Hqname:	Not Reported	Address:	Not Reported
City:	Yuba City	State:	CA
Zip:	95992	Zip ext:	Not Reported
Pop serv:	28	Connection:	5
Area serve:	Not Reported		

C8
NNE **CA WELLS** **CADDW0000015894**
1/4 - 1/2 Mile
Higher

Well ID:	5101016-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - 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=5101016-001&store_num=		
GeoTracker Data:	Not Reported		

D9
WSW **CA WELLS** **CADDW0000021541**
1/4 - 1/2 Mile
Lower

Well ID:	5103302-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - 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=5103302-001&store_num=		
GeoTracker Data:	Not Reported		

E10
NW **CA WELLS** **CADDW0000013561**
1/4 - 1/2 Mile
Higher

Well ID:	5110006-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - DESTROYED	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=5110006-001&store_num=		
GeoTracker Data:	Not Reported		

11
SW **CA WELLS** **12577**
1/4 - 1/2 Mile
Lower

Seq:	12577	Prim sta c:	15N/03E-20D03 M
Frds no:	5100173001	County:	51
District:	02	User id:	BUG
System no:	5100173	Water type:	G
Source nam:	GEORGE WASHINGTON	Station ty:	WELL/AMBNT

Latitude:	390821.0	Longitude:	1214011.0
Precision:	3	Status:	AU
Comment 1:	HWY 20 AND GEORGE WASHINGTON YUBA CITY 95991		
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:	5100173	System nam:	Ag Village Water System
Hqname:	Not Reported	Address:	Not Reported
City:	YUBA CITY	State:	CA
Zip:	95991	Zip ext:	Not Reported
Pop serv:	55	Connection:	7
Area serve:	Not Reported		

D12
WSW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000192002**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	015N003E19A001M	Type:	Well
Description:	Not Reported	HUC:	18020106
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:	19740429	Well Depth:	70
Well Depth Units:	ft	Well Hole Depth:	70
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1974-04-29
Feet below surface:	15.00	Feet to sea level:	Not Reported
Note:	Not Reported		

13
West
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000011919**

Well ID:	5101001-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	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=5101001-001&store_num=		
GeoTracker Data:	Not Reported		

14
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000022404**

Well ID:	5100112-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	JEFFERSON WELL 02 - INACTIVE XCLD		
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=5100112-001&store_num=		

GeoTracker Data: Not Reported

E15
NW
1/4 - 1/2 Mile
Higher

CA WELLS 12563

Seq:	12563	Prim sta c:	15N/03E-17E04 M
Frds no:	5110006001	County:	51
District:	02	User id:	BUG
System no:	5110006	Water type:	G
Source nam:	WELL 01 - DESTROYED	Station ty:	WELL/AMBNT
Latitude:	390850.0	Longitude:	1214013.0
Precision:	3	Status:	DS
Comment 1:	KENNEDY DR YUBA CITY 95991	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:	5110006	System nam:	Teja Buena (Sold To Hillcrest)
Hqname:	Not Reported	Address:	PO BOX 3277
City:	YUBA CITY	State:	Not Reported
Zip:	95992	Zip ext:	Not Reported
Pop serv:	0	Connection:	306
Area serve:	Not Reported		

E16
NW
1/4 - 1/2 Mile
Higher

CA WELLS 12569

Seq:	12569	Prim sta c:	15N/03E-17M03 M
Frds no:	5100112001	County:	51
District:	02	User id:	BUG
System no:	5100112	Water type:	G
Source nam:	JEFFERSON WELL 02	Station ty:	WELL/AMBNT
Latitude:	390854.0	Longitude:	1214008.0
Precision:	3	Status:	AU
Comment 1:	1539 VILLA AVE YUBA CITY 95991	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:	5100112	System nam:	Tierra Buena Mobile Home Park #1
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	29	Connection:	0
Area serve:	Not Reported		

17
NE
1/4 - 1/2 Mile
Higher

CA WELLS 12566

Seq:	12566	Prim sta c:	15N/03E-17G04 M
Frds no:	5100112002	County:	51
District:	02	User id:	BUG

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System no:	5100112	Water type:	G
Source nam:	VILLA AVE	Station ty:	WELL/AMBNT
Latitude:	390852.0	Longitude:	1213930.0
Precision:	3	Status:	AU
Comment 1:	VILLA AVE YUBA CITY 95991	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:	5100112	System nam:	Tierra Buena Mobile Home Park #1
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	29	Connection:	0
Area serve:	Not Reported		

Sample date:	10-JAN-18	Finding:	9.58
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	07-JAN-18	Finding:	4.9
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Sample date:	10-OCT-17	Finding:	9.71
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	08-OCT-17	Finding:	0.421
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	08-OCT-17	Finding:	3.4e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		

Sample date:	08-OCT-17	Finding:	9.2
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		

Sample date:	08-OCT-17	Finding:	4.3
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Sample date:	19-JUL-17	Finding:	9.97
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	16-JUL-17	Finding:	4.5
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Sample date:	16-JUL-17	Finding:	0.297
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	16-JUL-17	Finding:	3.4e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		

Sample date:	16-JUL-17	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L

Dlr:	1.		
Sample date:	16-JUL-17	Finding:	5.78
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	05-MAY-17	Finding:	7.
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	11-APR-17	Finding:	9.37
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	09-APR-17	Finding:	0.369
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-APR-17	Finding:	4.4
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	09-APR-17	Finding:	0.372
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-APR-17	Finding:	3.4e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-APR-17	Finding:	11.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	09-APR-17	Finding:	7.77
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	11-JAN-17	Finding:	9.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-JAN-17	Finding:	4.6
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	08-JAN-17	Finding:	0.316
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-JAN-17	Finding:	6.3
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	08-JAN-17	Finding:	0.5
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	08-JAN-17	Finding:	2.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	08-JAN-17	Finding:	3.4e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	08-JAN-17	Finding:	1.29
Chemical:	RADIUM 228	Report units:	PCI/L
Dlr:	1.		
Sample date:	08-JAN-17	Finding:	0.47
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	11-OCT-16	Finding:	10.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-OCT-16	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	19-JUL-16	Finding:	9.98
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-JUL-16	Finding:	4.1
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	10-JUL-16	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	19-APR-16	Finding:	9.44
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-APR-16	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	03-APR-16	Finding:	4.2
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	12-JAN-16	Finding:	9.33
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-JAN-16	Finding:	4.1
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	10-JAN-16	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	20-OCT-15	Finding:	40.762
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-OCT-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L

Dlr:	1.		
Sample date:	18-OCT-15	Finding:	5.
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	09-AUG-15	Finding:	6.9
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	09-AUG-15	Finding:	0.136
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	05-JUL-15	Finding:	5.2
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	05-JUL-15	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	14-APR-15	Finding:	38.582
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	12-APR-15	Finding:	11.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	13-JAN-15	Finding:	39.828
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	05-JAN-15	Finding:	11.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	05-JAN-15	Finding:	4.1
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	29-OCT-14	Finding:	39.249
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	10-OCT-14	Finding:	4.1
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	07-SEP-14	Finding:	12.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	09-JUL-14	Finding:	39.694
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-JUL-14	Finding:	4.5
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Sample date:	23-APR-14	Finding:	39.205
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	21-JAN-14	Finding:	120.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	21-JAN-14	Finding:	4.4
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	21-JAN-14	Finding:	71.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-JAN-14	Finding:	66.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	21-JAN-14	Finding:	35.422
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	21-JAN-14	Finding:	580.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	21-JAN-14	Finding:	29.7
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	21-JAN-14	Finding:	457.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	21-JAN-14	Finding:	290.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	21-JAN-14	Finding:	7.3
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-JAN-14	Finding:	1000.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	13-OCT-13	Finding:	4.5
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	13-OCT-13	Finding:	36.535
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	16-JUL-13	Finding:	37.736
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-JUL-13	Finding:	4.6
Chemical:	PERCHLORATE	Report units:	UG/L

Dlr:	4.		
Sample date:	17-APR-13	Finding:	36.134
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	15-JAN-13	Finding:	4.3
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	15-JAN-13	Finding:	37.113
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-NOV-12	Finding:	34.221
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	24-OCT-12	Finding:	4.1
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	02-JUL-12	Finding:	4.6
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	02-JUL-12	Finding:	31.595
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-APR-12	Finding:	31.907
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	09-APR-12	Finding:	4.4
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		
Sample date:	10-JAN-12	Finding:	7.
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	10-JAN-12	Finding:	31.773
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	10-JAN-12	Finding:	66200.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-12	Finding:	33800.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-12	Finding:	4.6
Chemical:	PERCHLORATE	Report units:	UG/L
Dlr:	4.		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

18
NE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000192083**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	015N003E17K002M	Type:	Well
Description:	Not Reported	HUC:	18020106
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:	19651104	Well Depth:	80
Well Depth Units:	ft	Well Hole Depth:	80
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1965-11-04
Feet below surface:	30.00	Feet to sea level:	Not Reported
Note:	Not Reported		

19
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000192096**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	015N003E17E003M	Type:	Well
Description:	Not Reported	HUC:	18020106
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:	19680327	Well Depth:	70
Well Depth Units:	ft	Well Hole Depth:	80
Well Hole Depth Units:	ft		

20
North
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000002460**

Well ID:	5100112-002	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	VILLA AVE	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=5100112-002&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

21
SSE
1/2 - 1 Mile
Lower

CA WELLS **CADPR0000004456**

Well ID:	95714	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	95714	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=95714&store_num=		
GeoTracker Data:	Not Reported		

F22
NW
1/2 - 1 Mile
Higher

CA WELLS **12572**

Seq:	12572	Prim sta c:	15N/03E-18J03 M
Frds no:	5110003017	County:	51
District:	02	User id:	BUG
System no:	5110003	Water type:	G
Source nam:	WELL 19	Station ty:	WELL/AMBNT
Latitude:	390853.5	Longitude:	1214018.5
Precision:	3	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:	5110003	System nam:	Hillcrest Water Co. Region 1-4
Hqname:	HILLCREST WATER COMPANY	Address:	707 N GEORGE WASHINGTON BLVD
City:	Yuba City	State:	CA
Zip:	95993	Zip ext:	Not Reported
Pop serv:	10062	Connection:	2914
Area serve:	HILLCREST-YUBA CITY AREA		

F23
NW
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000006556**

Well ID:	5110005-003	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 19	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=5110005-003&store_num=		
GeoTracker Data:	Not Reported		

G24
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000088891**

Well ID:	T0610120200-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610120200&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610120200&assigned_name=MW-1

G25
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000020739**

Well ID:	T0610120200-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610120200&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610120200&assigned_name=MW-3

G26
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060339**

Well ID:	T0610120200-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610120200&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610120200&assigned_name=MW-2

H27
ENE
1/2 - 1 Mile
Higher

CA WELLS **12567**

Seq:	12567	Prim sta c:	15N/03E-17J03 M
Frds no:	5100131004	County:	51
District:	02	User id:	BUG
System no:	5100131	Water type:	G
Source nam:	WELL 03 - INACTIVE	Station ty:	WELL/AMBNT
Latitude:	390844.9	Longitude:	1213912.9
Precision:	3	Status:	IR
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:	5100131	System nam:	Harter Packing Company
Hqname:	Not Reported	Address:	Harter Ave. & Highway 20
City:	Yuba City	State:	CA
Zip:	95992	Zip ext:	Not Reported
Pop serv:	30	Connection:	6
Area serve:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H28
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000003843**

Well ID:	5100131-004	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 03 - 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=5100131-004&store_num=		
GeoTracker Data:	Not Reported		

I29
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000130021**

Well ID:	T0610100078-MW-13D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-13D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-13D		

I30
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000062094**

Well ID:	T0610100078-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-13		

I31
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000099990**

Well ID:	T0610100078-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-14		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I32
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000098063**

Well ID:	T0610100078-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-5		

I33
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134776**

Well ID:	T0610100078-MW-5D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-5D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-5D		

I34
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000053764**

Well ID:	T0610100078-MW-6D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-6D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-6D		

I35
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000133066**

Well ID:	T0610100078-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I36
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000103227**

Well ID:	T0610100078-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-15		

I37
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000098884**

Well ID:	T0610100078-MW-2D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-2D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-2D		

I38
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056293**

Well ID:	T0610100078-EX-1	Well Type:	MONITORING
Source:	EDF	Other Name:	EX-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=EX-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=EX-1		

I39
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000009819**

Well ID:	T0610100078-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I40
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000032412**

Well ID:	T0610100078-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-4		

I41
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000084320**

Well ID:	T0610100078-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-9		

I42
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042917**

Well ID:	T0610100078-MW-9D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-9D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-9D		

I43
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065348**

Well ID:	T0610100078-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-10		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I44
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000046691**

Well ID:	T0610100078-MW-10D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-10D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-10D		

I45
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000124965**

Well ID:	T0610100078-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-1		

I46
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000000739**

Well ID:	T0610100078-MW-8D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-8D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-8D		

I47
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000075932**

Well ID:	T0610100078-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I48
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000031665**

Well ID:	T0610100078-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-3		

49
North
1/2 - 1 Mile
Higher

CA WELLS **12565**

Seq:	12565	Prim sta c:	15N/03E-17F03 M
Frds no:	5100156001	County:	51
District:	02	User id:	BUG
System no:	5100156	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT
Latitude:	390913.0	Longitude:	1213951.0
Precision:	3	Status:	AR
Comment 1:	1794 VILLA AVE YUBA CITY 95991	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:	5100156	System nam:	Tierra Buena Elementary School
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

I50
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092560**

Well ID:	T0610100078-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I51
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042168**

Well ID:	T0610100078-MW-12D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-12D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-12D		

I52
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000107213**

Well ID:	T0610100078-MW-7D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-7D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-7D		

I53
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000064000**

Well ID:	T0610100078-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-7		

54
SW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000005871**

Well ID:	5103326-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - 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=5103326-001&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I55
North
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000016538**

Well ID:	5100156-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - 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=5100156-001&store_num=		
GeoTracker Data:	Not Reported		

56
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000014087**

Well ID:	5103303-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	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=5103303-001&store_num=		
GeoTracker Data:	Not Reported		

I57
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000111024**

Well ID:	T0610100078-MW-18B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-18B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-18B		

I58
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000069543**

Well ID:	T0610100078-MW-18A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-18A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-18A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I59
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092911**

Well ID:	T0610100078-MW-11D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-11D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-11D		

I60
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080558**

Well ID:	T0610100078-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-11		

61
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000002941**

Well ID:	5100131-002	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 02 - 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=5100131-002&store_num=		
GeoTracker Data:	Not Reported		

I62
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042907**

Well ID:	T0610100078-MW-17A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-17A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-17A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I63
North
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000051929**

Well ID:	T0610100078-MW-17B	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-17B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-17B		

J64
WNW
1/2 - 1 Mile
Lower

CA WELLS **13019**

Seq:	13019	Prim sta c:	16N/03E-18K01 M
Frds no:	5110003016	County:	51
District:	02	User id:	BUG
System no:	5110003	Water type:	G
Source nam:	WELL 18	Station ty:	WELL/AMBNT
Latitude:	390853.5	Longitude:	1214036.3
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	5110003	System nam:	Hillcrest Water Co. Region 1-4
Hqname:	HILLCREST WATER COMPANY	Address:	707 N GEORGE WASHINGTON BLVD
City:	Yuba City	State:	CA
Zip:	95993	Zip ext:	Not Reported
Pop serv:	10062	Connection:	2914
Area serve:	HILLCREST-YUBA CITY AREA		

J65
WNW
1/2 - 1 Mile
Lower

CA WELLS **22188**

Seq:	22188	Prim sta c:	B51/003-18-CL2
Frds no:	5110003020	County:	51
District:	02	User id:	BUG
System no:	5110003	Water type:	G
Source nam:	WELL 18 - CHLORINATION	Station ty:	WELL/AMBNT
Latitude:	390853.6	Longitude:	1214036.4
Precision:	3	Status:	AT
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:	5110003	System nam:	Hillcrest Water Co. Region 1-4
Hqname:	HILLCREST WATER COMPANY	Address:	707 N GEORGE WASHINGTON BLVD
City:	Yuba City	State:	CA

Zip:	95993	Zip ext:	Not Reported
Pop serv:	10062	Connection:	2914
Area serve:	HILLCREST-YUBA CITY AREA		

66
ENE
1/2 - 1 Mile
Higher

CA WELLS **21064**

Seq:	21064	Prim sta c:	5100131-002
Frds no:	5100131002	County:	51
District:	02	User id:	BUG
System no:	5100131	Water type:	G
Source nam:	WELL 02	Station ty:	WELL/AMBNT
Latitude:	390844.6	Longitude:	1213902.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	5100131	System nam:	Harter Packing Company
Hqname:	Not Reported	Address:	Harter Ave. & Highway 20
City:	Yuba City	State:	CA
Zip:	95992	Zip ext:	Not Reported
Pop serv:	30	Connection:	6
Area serve:	Not Reported		

67
NNE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000075569**

Well ID:	T0610100078-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0610100078&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0610100078&assigned_name=MW-16		

J68
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000001941**

Well ID:	5110005-004	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 18	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=5110005-004&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

69
NNE
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000041543**

State Well #:	15N03E17B002M	Station ID:	32088
Well Name:	15N03E17B002M	Basin Name:	Sutter
Well Use:	Irrigation	Well Type:	Single Well
Well Depth:	0	Well Completion Rpt #:	Not Reported

70
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000192024**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	015N003E18Q002M	Type:	Well
Description:	Not Reported	HUC:	18020106
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:	19660913	Well Depth:	165
Well Depth Units:	ft	Well Hole Depth:	165
Well Hole Depth Units:	ft		

K71
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000020632**

Well ID:	SL185842946-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL185842946&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL185842946&assigned_name=MW-12		

K72
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000114292**

Well ID:	SL185842946-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL185842946&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL185842946&assigned_name=MW-11		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

73
WNW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000018994**

Well ID:	5110005-021	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 20	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=5110005-021&store_num=		
GeoTracker Data:	Not Reported		

K74
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000191923**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	015N003E20P002M	Type:	Well
Description:	Not Reported	HUC:	18020106
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:	19720211	Well Depth:	63
Well Depth Units:	ft	Well Hole Depth:	65
Well Hole Depth Units:	ft		

K75
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000191919**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	015N003E20P001M	Type:	Well
Description:	Not Reported	HUC:	18020106
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:	19660829	Well Depth:	55
Well Depth Units:	ft	Well Hole Depth:	65
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1966-08-29
Feet below surface:	35.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

76
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000018127**

Well ID:	5101007-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	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=5101007-001&store_num=		
GeoTracker Data:	Not Reported		

77
South
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000009250**

Well ID:	5100102-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	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=5100102-001&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
95993	12	3

Federal EPA Radon Zone for SUTTER County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95993

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D: HISTORICAL RESEARCH DOCUMENTATION



INQUIRY #: 6603319.11

YEAR: 2016

= 500'

N

EDR


SITE
SITE
INQUIRY #: 6603319.11
YEAR: 2012
= 500'
N
EDR


SITE
SITE
INQUIRY #: 6603319.11
YEAR: 2009
= 500'
N
EDR


SITE
SITE
INQUIRY #: 6603319.11
YEAR: 2006
= 500'
N
EDR


SITE
SITE
INQUIRY #: 6603319.11
YEAR: 1998
= 500'
N
EDR


SITE
SITE
INQUIRY #: 6603319.11
YEAR: 1984
= 500'
N
EDR



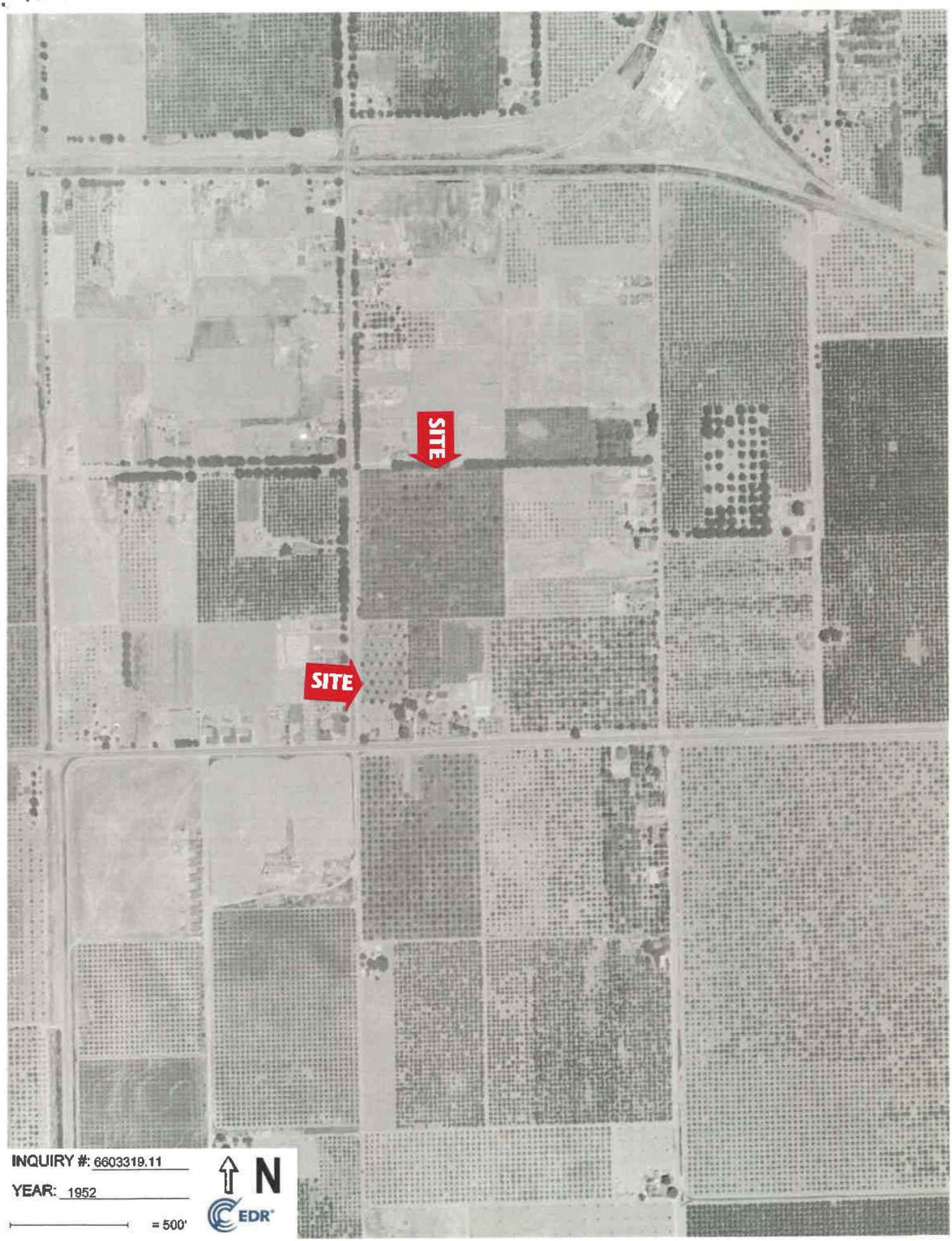
INQUIRY #: 6603319.11

YEAR: 1977

= 500'

N

EDR


SITE
SITE
INQUIRY #: 6603319.11
YEAR: 1952
= 500'
N
EDR



INQUIRY #: 6603319.11

YEAR: 1937

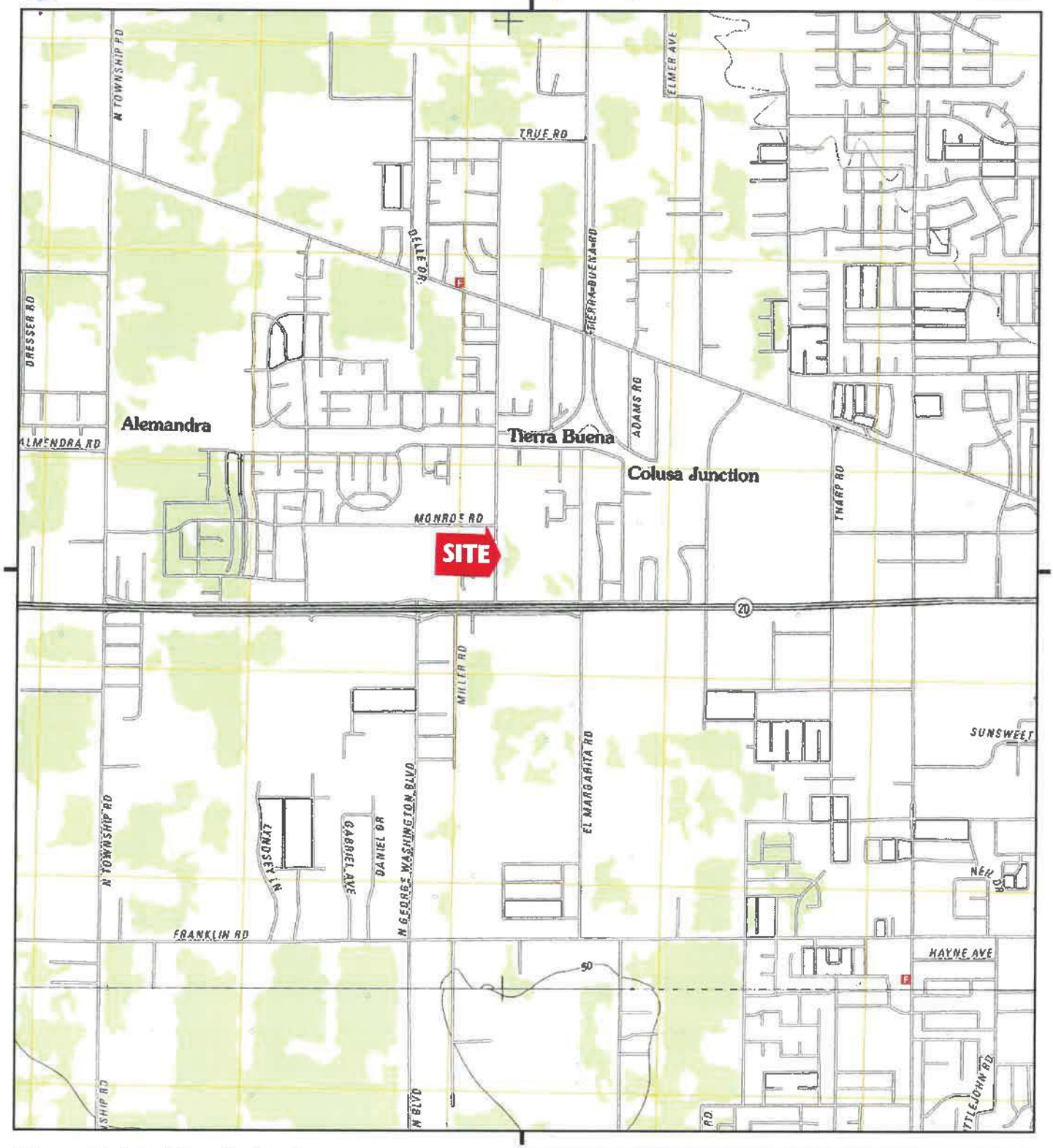
= 500'

N

EDR

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

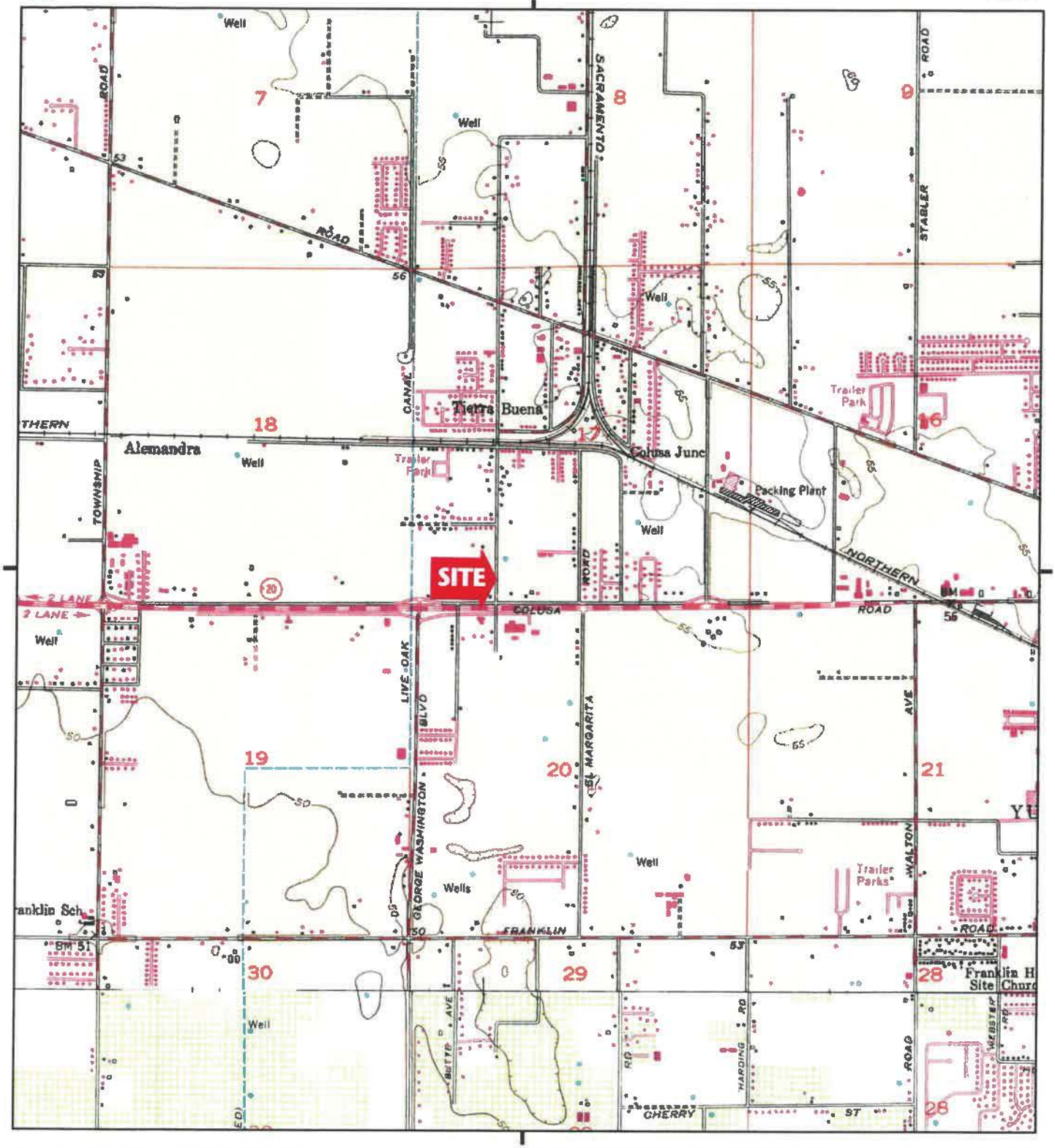
TP, Sutter, 2012, 7.5-minute
S, Gilsizer Slough, 2012, 7.5-minute

SITE NAME: Henson Ranch Project
ADDRESS: 2689, 2665, 2689 Colusa Hwy, 1139 Hoo
Yuba City, CA 95993
CLIENT: Marcus Bole and Associates

N

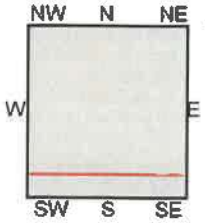
Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



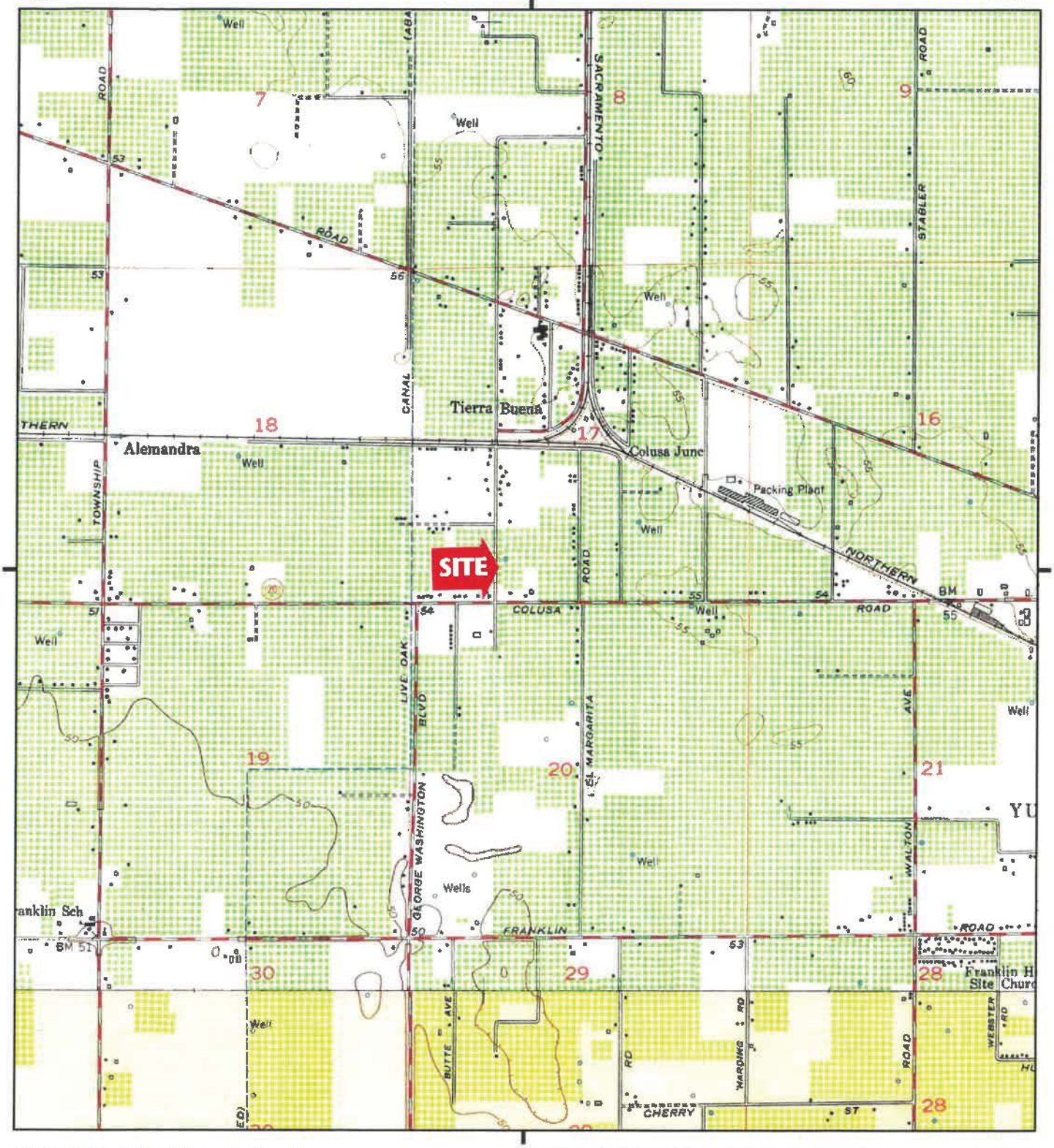
TP, Sutter, 1973, 7.5-minute
S, Gilsizer Slough, 1973, 7.5-minute

SITE NAME: Henson Ranch Project
ADDRESS: 2689, 2665, 2689 Colusa Hwy, 1139 Hoo
Yuba City, CA 95993
CLIENT: Marcus Bole and Associates

N

Historical Topo Map

1952



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

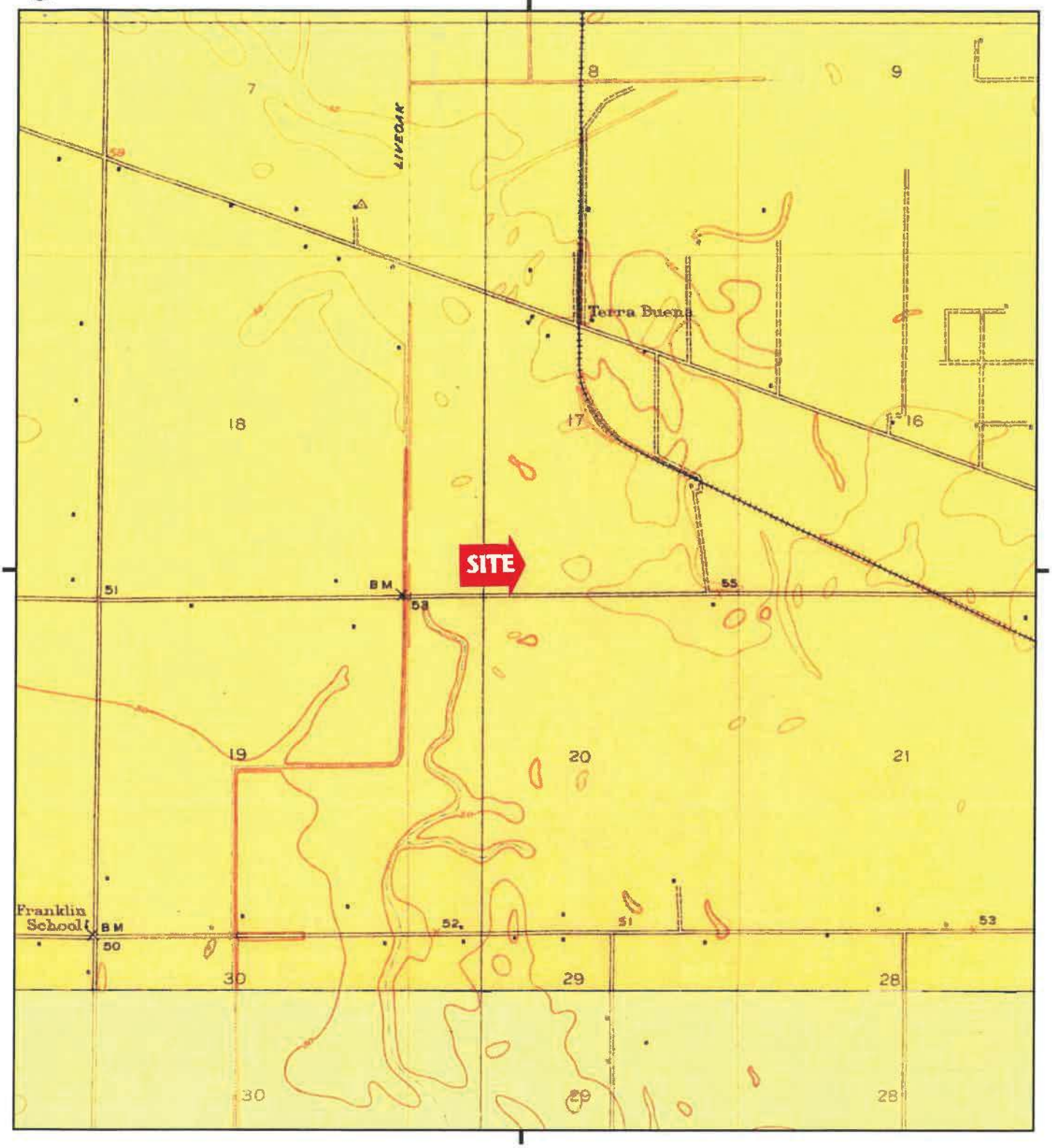
TP, Sutter, 1952, 7.5-minute
S, Gilsizer Slough, 1952, 7.5-minute

SITE NAME: Henson Ranch Project
ADDRESS: 2689, 2665, 2689 Colusa Hwy, 1139 Hoo
Yuba City, CA 95993
CLIENT: Marcus Bole and Associates

N

Historical Topo Map

1911



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Sutter, 1911, 7.5-minute
S, Gilsizer Slough, 1911, 7.5-minute

SITE NAME: Henson Ranch Project
ADDRESS: 2689, 2665, 2689 Colusa Hwy, 1139 Hoo
Yuba City, CA 95993
CLIENT: Marcus Bole and Associates

N

APPENDIX E: QUALIFICATIONS

MR. MARCUS H. BOLE, ENVIRONMENTAL PROFESSIONAL

MS. CHARLENE J. BOLE, ENVIRONMENTAL PROFESSIONAL

Marcus H. Bole & Associates

An Environmental Consulting Firm

MARCUS H. BOLE, M.S, Environmental Scientist

EXPERTISE:
Environmental Project Management
Natural Resource Management
Environmental Site Assessment, Phase I and Phase II
Wetland Delineation, Mitigation, and Permitting

EDUCATION:
Master's Degree in Environmental Science
North Dakota State University, Fargo, 1976
Baccalaureate in Social Science, Political Science & Geography
California State University, Sacramento, 1970
Registered Environmental Property Assessor (REPA, #647913)
Certified (OSMB) Disabled Veteran Business Enterprise (DVBE)
California Department of General Services (#0000847)
Service Disabled Veteran Owned Small Business (VA)
Awarded GSA Contract Number: GS10F101BA Environmental
Schedule 899, DUNS Number 943646430

PROFESSIONAL HISTORY:
Bole & Associates, Principal, 1993 - Present
U. S. Federal Government Manager of Environmental Engineering,
Compliance and Community Planning, 1970 - 1993
California State Division of Forestry, Engineer, 1966 - 1970

REPRESENTATIVE EXPERIENCE:
Mr. Bole has over thirty-five years of experience in environmental project management. He has supervised work forces of professional engineers, scientists and technicians responsible for pollution monitoring, permitting, abatement, environmental impact analysis, natural resource evaluation and restoration programs and preserve habitat management. As Senior Environmental Scientist, Mr. Bole has conducted numerous Biological Assessments in accordance with United States Fish & Wildlife Service and California Department of Fish & Wildlife protocols and regulations. He has conducted wetland delineations in accordance with the United States Army Corps of Engineers regulations throughout California. Mr. Bole has conducted hundreds of Phase I Environmental Site Assessments in accordance with ASTM and federal standards. As lead environmental scientist for the Department of Veterans Affairs, National Cemetery Administration, he has been directly responsible for coordinating environmental assessments and the Environmental Management System (EMS) for over 160 National Cemeteries in the United States. As Chief, Environmental Management Division, Beale AFB, California, he managed the compliance issues and the restoration of natural resources within a 23,000 acre federal military installation, retiring in 1993 in the rank of Lieutenant Colonel. As Principal, Marcus H. Bole & Associates, he manages allocation of personnel, client development and strategic planning.

Marcus H. Bole & Associates

An Environmental Consulting Firm

CHARLENE J. BOLE, M.S, Environmental Scientist

EXPERTISE:
Environmental Project Management
Environmental Site Assessments (Phase I & II)
Threatened and Endangered Species, Ornithologist
Wetland Delineation, Mitigation and Permitting

EDUCATION:
Master's Degree in Environmental Science
North Dakota State University, Fargo, 1979
Baccalaureate in Social Science
California State University, Sacramento, 1974
Graduate Course work in Environmental Science, Pollution Assessment
Registered Environmental Property Assessor (REPA, # 229436)
State of California Standard Teaching Credential, Science
California Community College Credential, Environmental Science

PROFESSIONAL HISTORY:
Marcus H. Bole & Associates (MHB&A), Principal, 1991 - Present
Consultant, Veterans Administration, National Cemetery Administration, 2005-Present
Consultant, Regulatory Permitting, US Army, Department of Defense, Belgium, 1988 - 1991
Senior Project Manager, Environmental Development Center, Belgium, 1988 - 1991
Environmental Consultant for Department of Defense, Japan, 1985 - 1987
Science and Math Instructor, Wheatland School District, CA, 1980 - 1984

REPRESENTATIVE EXPERIENCE:

Ms. Bole has over thirty-five years of experience in environmental project management, environmental science instruction and consulting. A recognized expert in research development and management, she has supervised work forces of professional scientists and technicians responsible for a wide array of environmental issues in overseas locations and throughout California. Her areas of expertise include environmental site assessment, pollution monitoring, permitting, abatement, environmental impact analysis, natural resource evaluation, ornithology, wildlife ecology, regulatory compliance, natural resource &habitat conservation planning, and the delineation of waters of the United States. She is a Senior Environmental Scientist under contract with the Department of Veterans Affairs, National Cemetery Administration, responsible for the environmental review of cemetery expansions at over fifty VA National Cemeteries. She is currently a Senior CEQA Planner and Environmental Assessor responsible for impact mitigation for the Caltrans San Francisco-Oakland Bay Bridge East Span Project. Her organizational skills have consistently resulted in finding the most cost effective means for project implementation and completion. As Principal, Marcus H. Bole & Associates, she manages allocation of personnel, client development and strategic planning.

APPENDIX F: SUPPORTING DOCUMENTATION

Marcus H. Bole & Associates

An Environmental Consulting Firm

08/04/21

ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

The attached checklist is intended to provide a level of inquiry consistent with the requirements of *40 CFR*, ASTM Standards & SBA's *SOP 50 10 5(E)*. This questionnaire is to be completed and signed by the property owner/seller.

In preparing this document, the property owner must make a good faith effort to answer the questions in this checklist. Time and care should be taken to check whatever records are in the owner's possession. If any of the following questions are answered in the affirmative or if answers are unknown, are qualified or cannot be obtained, the burden is on the environmental consultant to determine whether further inquiry is appropriate. The property owner should document the reason for any affirmative answer to provide the consultant with all appropriate information. Moreover, the environmental consultant must make a determination regarding further inquiry in any area where the property owner provides incomplete information and then give reasons for the conclusion.

Current property owners contact information (required information):

Name of Owner/s: Leonard & Mary Henson

Mailing address: 2689 Colusa Hwy Yuba City CA 95993

Phone number; 530-674-0776

Key site Personnel Leonard Henson **Phone Number** 530-415-7022

Date originally purchased 1985

Buyer/s contact information (if known):
Name of Buyer/s: Sutter Valley Development Inc.

Mailing address:

Phone number:

Subject property: (address & APN Number):

Address 2689 Colusa Hwy Yuba City

APN: 62-082-015, 62-082-009, 62-082-011, 62-082-014

Square feet of building Unknown **Size of lot** (total acreage) 25.14 Ac

Number of rooms/stories in building(s)

1. Date current operations began on this site 1920's

2. What year(s) were any building(s) on site constructed and/or renovated?
various

Please refer to appendix A to find the NAIC code if applicable. If there is no code for the type of business, please describe the business (e.g., vacant land, residential, etc.)

3. The type of business currently conducted on the site (Use NAICS code and provide a description of the business. [illegible]

4. Type of business to be operated on the premises. (Use NAICS code and provide a description of the business. [illegible] residential

5. To the extent known, please identify the prior uses of the property and the prior owner(s) of the site during the past 50 years:

Dates	Land Use (NAICS code)	Property Owner/Phone
1920 - 1982	111335 & 115114	[illegible]
1982 - 2005	" "	[illegible]
1980 - Present	" "	[illegible]

6. **Land use:** Please indicate the **current uses of the adjoining properties** (use NAICS codes and description) Adjoining properties include those that border the immediate site and include properties across the street from the property.

Adjoining property (north): NAICS code residential

Adjoining property (south): NAICS code [illegible] 333111

Adjoining property (east): NAICS code residential

Adjoining property (west): NAICS code residential

7. Please indicate the **past (50 years) uses of the adjoining properties** (use NAICS codes and description) Adjoining properties include those that border the immediate site and
include properties across the street from the property.

Previous use (north): NAICS code [illegible]

Previous use (south): NAICS code 333111

Previous use (east): NAICS code [illegible]

Previous use (west): NAICS code Residential

8. Are you aware of any environmental hazards or contamination **present on surrounding properties** (e.g., underground tanks, heavy industry, manufacturing, refining, landfills/waste disposal, waste treatment, agricultural purpose or ground water contamination)?

___ YES ___✓NO (If "YES", Please describe)

9A. Have any of the following environmental permits, registrations, or agreements **currently** issued for the property? ____ Yes ___✓ No (If yes, please check all applicable categories and attach a copy of the permit(s) :

_____ National Pollutant Discharge Elimination System Permit
_____ Air Emissions Permit
_____ Wastewater Discharge Permit
_____ Underground Storage Tank Permit
_____ Hazardous Materials Monitoring Program Permit
_____ other (please describe) _____

9B. Have any of the following environmental permits, registrations, or agreements been issued for the property in the **past**? ___✓ Yes ____ No (If yes, please check all applicable categories and attach a copy of the permit(s) :

_____ National Pollutant Discharge Elimination System Permit
___✓ Air Emissions Permit FRAGMD
_____ Wastewater Discharge Permit
_____ Underground Storage Tank Permit
_____ Hazardous Materials Monitoring Program Permit
_____ Other (please describe) _____

9C. Are any of the following environmental permits, registrations, or agreements **currently applied for**? ____ Yes ___✓ No (If yes, please check all applicable categories and attach a copy of the permit(s) :

_____ National Pollutant Discharge Elimination System Permit
_____ Air Emissions Permit
_____ Wastewater Discharge Permit
_____ Underground Storage Tank Permit
_____ Hazardous Materials Monitoring Program Permit
_____ Other (please describe) _____

9D. Have any environmental audits (Phase I, Phase II, Transaction Screens) of the site ever been conducted?

_____ YES Date _____ By whom? _____ Attach report

___✓___ NO

10. Has the owner of the property or operator of the facility been informed of the presence of hazardous substances or environmental **violations** in regards to the property or the facility located on the property?

____ YES ___✓___ NO (If "YES", Please describe)

11. Are you aware of any environmental assessments of the property that indicated the presence of hazardous substances on the site or recommended further assessment of the property?

____ YES ___✓___ NO (If "YES", Please describe)

12. Have there been any past pollution problems, investigations, or cleanup activities on the property, including investigations of potential Superfund actions?

____ YES ___✓___ NO (If "YES", Please describe.)

13. Are there any past, current, or pending regulatory actions by federal, state, or local environmental agencies alleging noncompliance with regulations?

____ YES ___✓___ NO (If "YES", Please describe)

14. Are there any past, current, or pending lawsuits or administrative proceedings for alleged environmental damages involving the property, you or any owner or tenant of the property.

____ YES ___✓___ NO (If "YES", Please describe)

15. Does the owner of the property or operator of the facility have any knowledge of environmental liens or governmental notification relating to violations of environmental laws in regards to the property or any facility located on the property?

____ YES ___✓___ NO (If "YES", Please describe)

16. Have there been any worker complaints or regulatory investigation regarding illness resulting from hazardous material exposure at the facility?

____ YES ___✓___ NO (If "YES", Please describe)

17. Has the facility applied for or been issued a permit as a Hazardous Waste Generator, Hazardous Waste Treatment, Storage or Disposal Facility, or a Hazardous Waste hauler?

____ YES ___✓___ NO (If "YES", Please describe and attach permits.)

If yes, what is the current practice for disposal of the used solvents, oils, metals shavings, plating solutions, etc.?

18. Are there any pesticides, automotive or industrial batteries, paints or other chemicals stored on the property or at the facility other than undamaged containers of consumer products of fewer than five gallons in total volume?

✓ YES _____ NO (If "YES", Please describe) wheat orchard chemicals grease + oil for tractors & equipment

19. Have there ever been any spills, leaks, or accidental releases of pesticides, fertilizers, fuels, oils, or other chemicals into the environment?

_____ YES ✓ NO (If "YES", Please describe)

20. Are there any plastic or metal industrial drums (typically 55-gallon) located on the property or at the facility?

_____ YES ✓ NO (If "YES", Please describe and indicate the type of spill containment)

21. Have any construction debris, substances identified as hazardous, unidentified waste materials, tires, automotive or industrial batteries, fill dirt that could have been contaminated, or any other waste material been dumped above grade, buried and/or burned on the site?

_____ YES ✓ NO (If "YES", Please describe)

22. Are there any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

_____ YES ✓ NO (If "YES", Please describe)

23. Are there any vent pipes protruding from the ground at the property or adjacent to any structure located on the property?

_____ YES ✓ NO (If "YES", Please describe)

24. Are there now, or have there ever been storage tanks above (AST) or underground (UST) located on the site? ✓ YES ___ NO (If "YES", indicate the number of tanks and the contents and age of each tank):

Total number of tanks: 4

	Contents	Type of tank (UST or AST)	age of tank	capacity
#1	diesel	AST	?	300?
#2	unlead gas	AST	?	500?
#3	Leaded gas	AST	?	250?
#4	Leaded gas	UST		Removed 1975(±)

24A. Date of equipment testing (All required tank/line tests must be current (within the past 6 months)

UST tightness tests _____
Line tightness tests _____
Vapor recovery (Stage II) systems _____
Monitoring systems _____
Hydrostatic testing of containment devices _____

Name and contact information for independent contractor who conducted these tests:

Name_____
Address_____Phone number _____
PLEASE ATTACH TEST RESULTS

24B. Have any of the following measures been provided for the underground tanks and their associated piping? Please indicate, as appropriate, and note the tank affected:

_____ Integrity testing
for _____

_____ Leak detection system
for _____

_____ Secondary containment
for _____

_____ cathodic protection
for _____

_____inventory reconciliation
for_____

_____ overfill spill protection
for _____

_____ other (please describe)
for _____

24C. Has an underground storage tank leak ever occurred on the property?

_____ YES ___✓___ NO (If "YES", Please describe)

25. Are there any above or below ground pipelines on site used to transfer chemicals or waste?

____ YES ___✓___ NO (If "YES", Please describe):

25A. Have the pipelines been inspected or tested for leaks?

_____YES ___✓___NO (If yes, please indicate the results):

26. Does the property discharge waste water (other than storm water) directly to a ditch or stream on or adjacent to the property?

____ YES ___✓___ NO (If "YES", Please describe)

27. Are there any on-site sewage disposal systems (e.g. septic tank, wastewater treatment plant)?

✓ YES ___ NO If "YES", Please describe the system(s) and the date and nature of any failures of the system(s). Septic tank at rear house pumped 2020

28. If the property is served by a private well or non-public water system, has the well or system been designated as contaminated by any government environmental/health agency?

___ YES ✓ NO (If "YES", Please describe)

29. **Asbestos:** If the property or any building(s) located on the property was constructed prior to 1978 was any asbestos-containing materials in the building on site?

___ YES ✓ NO (If "YES", please indicate which building(s). If any asbestos tests or surveys have been conducted, please attach the results)

30. **Polychlorinated biphenyls (PCBs):** If there are electrical transformers, switchers, capacitors, or other comparable devices on the premise, have they been inspected for the presence of polychlorinated biphenyls or other hazardous toxic substances?

___ YES ✓ NO (If "YES", are there maintenance and emergency response procedures for the PCB equipment in the event of a leak, spill, or fire?)

Have there been any spills, leaks or other events on site involving the PCP electrical equipment?

___ YES ✓ NO (If "YES", Please describe)

30A. Have there been any leaks, spills, or fires on site involving PCB electrical equipment?

___ YES ✓ NO (If "YES", Please describe)

30B. Is there a transformer that is not owned by a public or private utility or group and for which there are no records indicating the absence of PCBs?

___ YES ✓ NO (If "YES", Please describe)

31. **Radon**: Has the property or any buildings located on the property been tested for radon?

____ YES ✓ NO (If "YES", Please describe)

32. **Urea-Formaldehyde**: Does the property or any buildings located on the property contain any urea-formaldehyde materials?

____ YES ✓ NO (If "YES", Please describe)

33. **Lead:** If the property or any buildings located on the property were constructed prior to 1978, was lead-based paint or lead plumbing used?

____ YES ✓ NO (If "YES", Please describe) If any lead tests or surveys have been conducted, please attach the results)

34. **Agricultural Land:** Have pesticides, herbicides or other agricultural chemical been stored, mixed on or applied to the property? According Good Farming Practices,

✓ YES ____ NO (If "YES", Please describe)

35. Have there been any citizen complaints from the surrounding community regarding the activities conducted on the property?

____ YES ✓ NO (If "YES", Please describe)

36. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? (40 CFR 312.25)

____ YES ✓ NO (If "YES", please include an explanation)

37. Are you aware of any activity and use limitations (AUL's), such as engineering? controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (40 CFR 312.26)

____ YES ✓ NO (If "YES", please include an explanation)

38. As the User of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of chemicals and processes used by this type of business? (40 CFR 312.28)

____ YES ✓ NO (If "YES", please include an explanation)

39. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? (40 CFR312.29)

✓ YES ____ NO (If "NO", please include an explanation)

40. Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property: (40 CFR 312.31).

____ YES ✓ NO (If "YES", please include an explanation)

Person completing this questionnaire:

Name: HENSONS

Relationship to site: OWNER

Address: 2889 COL USA HWY.

Phone number: 530. 415. 7022

Date: 08/06/21

I am familiar with the property descried in this questionnaire. To the best of my knowledge the above statements and facts are true and correct and that to the best of my knowledge no material facts have been omitted or misstated.

Mary Henson 8/6/2021

Signature/Date

(Renter) 08/06/21

PLEASE SCAN COMPLETED QUESTIONNAIRE AND RETURN TO: email mbole@aol.com

Marcus H. Bole and Associates, 104 Brock Drive, Wheatland, CA 95692
Phone: (Office) 530-633-0117, (Cell) 916-747-8501, FAX 530-633-0119, email for Senior Environmental Scientist Marcus Bole: mbole@aol.com

APPENDIX A

NAICS CODES OF ENVIRONMENTALLY SENSITIVE INDUSTRIES

How to determine if an industry is included on this list:
A 3 digit NAICS code includes all industries beginning with those 3 digits.
A 4 digit NAICS code includes all industries beginning with those 4 digits.
A 5 digit NAICS code includes all industries beginning with those 5 digits.
A 6 digit NAICS code includes only that industry under that industrial code.

211 OIL & GAS EXTRACTION
212 MINING (EXCEPT OIL & GAS)
213 SUPPORT ACTIVITIES FOR MINING
237 HEAVY & CIVIL ENGINEERING CONSTRUCTION
311 FOOD MANUFACTURING
312 BEVERAGE & TOBACCO PRODUCT MANUFACTURING
313 TEXTILE MILLS
314 TEXTILE PRODUCT MILLS
315 APPAREL MANUFACTURING
316 LEATHER & ALLIED PRODUCT MANUFACTURING
321 WOOD PRODUCT MANUFACTURING
322 PAPER MANUFACTURING
323 PRINTING & RELATED SUPPORT ACTIVITIES
324 PETROLEUM & COAL PRODUCTS MANUFACTURING
325 CHEMICAL MANUFACTURING
326 PLASTICS & RUBBER PRODUCTS MANUFACTURING
327 NONMETALLIC MINERAL PRODUCTS MANUFACTURING
331 PRIMARY METAL MANUFACTURING
332 FABRICATED METAL PRODUCT MANUFACTURING
333 MACHINERY MANUFACTURING
334 COMPUTER & ELECTRONIC PRODUCT MANUFACTURING
335 ELECTRICAL EQUIPMENT, APPLIANCE & COMPONENT MANUFACTURING
336 TRANSPORTATION EQUIPMENT MANUFACTURING
337 FURNITURE & RELATED MANUFACTURING (*if finishing occurs on site*)
339 MISCELLANEOUS MANUFACTURING
42311 AUTOMOBILE & OTHER MOTOR VEHICLE MERCHANT WHOLESALERS *(if service bays present)*
42314 MOTOR VEHICLE PARTS (USED) MERCHANT WHOLESALERS
4235 METAL & MINERAL MERCHANT WHOLESALER
42393 RECYCLABLE MATERIAL MERCHANT WHOLESALER
4246 CHEMICAL & ALLIED PRODUCTS MERCHANT WHOLESALERS
4247 PETROLEUM & PETROLEUM PRODUCTS MERCHANT WHOLESALERS
441 MOTOR VEHICLE AND PARTS DEALERS *(if service bays present)*
447 GASOLINE STATIONS
45431 FUEL DEALERS
481 AIR TRANSPORTATION
482 RAIL TRANSPORTATION
486 PIPELINE TRANSPORTATION
53212 TRUCK, UTILITY TRAILER, AND RV (RECREATIONAL VEHICLE) RENTAL & LEASING
53241 CONSTRUCTION, TRANSPORTATION, MINING & FORESTRY MACHINERY & EQUIPMENT RENTAL & LEASING

53249 OTHER COMMERCIAL & INDUSTRIAL MACHINERY & EQUIPMENT RENTAL & LEASING
54138 TESTING LABORATORIES
56171 EXTERMINATING & PEST CONTROL
562 WASTE MANAGEMENT & REMEDIATION SERVICES
62149 OTHER OUTPATIENT CARE CENTERS
6215 MEDICAL & DIAGNOSTIC CENTERS
6221 GENERAL MEDICAL & SURGICAL HOSPITALS
71391 GOLF COURSES & COUNTRY CLUBS
71392 SKIING FACILITIES
71393 MARINAS
7212 RV (RECREATIONAL VEHICLES) PARKS & RECREATIONAL CAMPS
8111 AUTOMOTIVE REPAIR & MAINTENANCE
8112 ELECTRONIC & PRECISION EQUIPMENT REPAIR & MAINTENANCE
8113 COMMERCIAL & INDUSTRIAL MACHINERY & EQUIPMENT REPAIR & MAINTENANCE
8122 DEATH CARE SERVICES
8123 LAUNDRY & DRY CLEANING SERVICES *(if dry cleaning operations on-site)*
812921PHOTOFINISHING LABORATORIES

A COMPLETE LIST OF INDUSTRIES AND CORRESPONDING NAICS CODES IS AVAILABLE ONLINE AT: http://www.census.gov/epcd/naics02/naicod02.txt

Henson Ranch Project
2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Yuba City, CA 95993

Inquiry Number: 6603319.7
August 03, 2021

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Henson Ranch Project
Yuba City, CA 95993

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

Sutter Recorder
Sutter, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Leonard A& Mary C Henson Trustees
Title received from:	Leonard A& Mary C Henson
Deed Dated	8/19/1995
Deed Recorded:	5/13/2003
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Leonard A& Mary C Henson Trustees
Parcel # / Property Identifier:	62-082-015
Comments:	See Exhibit

Deed Exhibit 1

Order No.
Escrow No.
Loan No.
RECORDING REQUESTED BY:
WHEN RECORDED MAIL TO:

Mr. and Mrs. Leonard A. Henson
2689 Colusa Highway
Yuba City, CA. 95993

2003-0012367

Recorded
Official Records
County Of
SUTTER
JOAN BECHTEL
Recorder

REC FEE 12.00

SS
01:34PM 13-May-2003 Page 1 of 3

SPACE ABOVE THIS LINE FOR RECORDER'S USE

MAIL TAX STATEMENTS TO:

SAME AS ABOVE

UNINCORPORATED AREA

DOCUMENTARY TRANSFER TAX $.....NONE.....
.....Computed on the consideration or value of property conveyed; OR
.....Computed on the consideration or value less liens or encumbrances remaining at time of sale.

Mary C Henson
Signature of Declarant or Agent determining tax — Firm Name

QUITCLAIM DEED

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

LEONARD A. HENSON and MARY C. HENSON husband and wife, formerly as Joint Tenants, and now as Community Property,

do hereby REMISE, RELEASE AND FOREVER QUITCLAIM to

LEONARD A. HENSON and MARY CAROL HENSON, Trustees, or their successors in trust, under the HENSON FAMILY LIVING TRUST, dated August 18, 1995 and any amendments thereto,

the real property in the County of Sutter, State of California, described as:

SEE LEGAL DESCRIPTION ATTACHED HERETO AS "EXHIBIT A" AND MADE A PART HEREOF

APN: 17-222-015

8/18/95
DATED

Leonard A. Henson
LEONARD A. HENSON

8-18-95
DATED

Mary C Henson
MARY C HENSON

MAIL TAX STATEMENTS AS DIRECTED ABOVE 1002 (1/91)

EXHIBIT A

All that certain real property situate in the County of Sutter, State of California, being more particularly described as follows:

Lots 22 and 23 of Subdivision No. 2 of the Elmer Tract, according to the Official Recorded Map of said Subdivision No. Two, filed in the office of the County Recorder of the County of Sutter, State of California, on February 4, 1908, and recorded in Book 1 of Surveys, at page 61, Sutter County Records.

EXCEPTING THEREFROM that portion described as follows:

A portion of Lots 22 and 23 of Subdivision No. 2 of the Elmer Tract, according to the Official Recorded Map of said Subdivision No. Two, filed in the office of the County Recorder of the County of Sutter, State of California, on February 4, 1908, and recorded in Book 1 of Surveys, at page 61, Sutter County Records, said portion thereof hereby conveyed being described as follows:

Beginning at the Southeast corner of said Lot 23; thence Westerly along the South line of said Lot 23, a distance of 156.00 feet; thence Northerly parallel to the East line of said Lot 23, a distance of 340.00 feet; thence Easterly parallel to the South line of said Lot 23 and 22, a distance of 200.00 feet; thence South parallel to the East line of said Lot 23, a distance of 340.00 feet to the South line of Lot 22; and thence Westerly along the South line of Lot 22, 44.0 feet to the point of beginning.

STATE OF CALIFORNIA)
) ss.
COUNTY OF SUTTER)

On **August 18, 1995,** before me, **Fred Ekman** personally appeared **Leonard A. Henson and Mary C. Henson** personally known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons or the entities upon behalf of which the persons acted, executed the instrument.

Witness my hand and official seal.

FRED EKMAN
Comm. #986547
NOTARY PUBLIC - CALIFORNIA
NEVADA COUNTY
Comm. Expires March 3, 1997

Notary Public in and for said State

CAPACITY CLAIMED BY SIGNER(S)

{x } INDIVIDUAL_____
{ } CORPORATE_____
OFFICERS_____
TITLES

{ } PARTNERS { } LIMITED
{ } GENERAL

{ } ATTORNEY IN FACT_____
{ } TRUSTEE(S)_____
{ } GUARDIAN/CONSERVATOR_____
{ }
OTHER:_____
_____
_____

SIGNER IS REPRESENTING:
NAME OF PERSON OR ENTITY(IES)

Leonard A. Henson and Mary C. Henson

ATTENTION NOTARY: Although the information requested below is OPTIONAL, it should prevent fraudulent attachments to this certificate to an unauthorized document

THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT

Title or Type of Document: **Quitclaim Deed**
Number of Pages: **2** Document date: **August 18, 1995**
Signer(s) Other than named above_____

END OF DOCUMENT

Preliminary Report Top Sheet

♦ HELP US STAY ON TOP OF YOUR TRANSACTION ♦

IF ANY OF THESE QUESTIONS ARE ANSWERED "YES", OR IF YOU HAVE QUESTIONS ABOUT THE BELOW, PLEASE CONTACT YOUR ESCROW OFFICER IMMEDIATELY

- Have any of the principals recently filed bankruptcy?
- Do any of the principals plan to use a power of attorney?
- Are any of the principals going through a divorce? (if so, is there an attorney involved?)
- Is anyone currently vested in title deceased? Has a new Tax I.D. Number been established?
- Do any of the principals NOT have a valid photo identification?
- Is there construction work in progress or incomplete construction?
    - Any construction completed in the last year?
    - Any construction completed in the last 4 months?
- Is there a mobile or manufactured home on the property?
- Are the sellers a non-resident alien or a foreign out of country seller?
- Is the property an investment property or not considered seller's principal residence?
- Will a new entity be formed? (i.e. Partnership, LLC, Corporation)
- If your principals are currently vested or are taking title in their trust, have bank accounts been established in the name of the Trust?
- Will any of the principals be participating in a 1031 Exchange?
- Are any of the principals not able to sign with a Placer Title Company? If so, an approved notary will be required.

THANK YOU FOR CHOOSING

Placer Title Company

Placer Title Company
1110 Civic Center Blvd., Suite 302
Yuba City, CA 95993
Phone: (530)671-5040
Fax: (530) 671-5270

PLACER TITLE COMPANY
A MOTHER LODE COMPANY

Order No.: P-492574
Reference:
Escrow Officer: Ana Campos
Email: acampos@placertitle.com
Email Loan Docs To: 1201edocs@placertitle.com

Proposed Insured:
Proposed Loan Amount:

Proposed Underwriter: Westcor Land Title Insurance Company

Property Address: 2689 Colusa Highway, Yuba City, CA 95993
2665 Colusa Highway, Yuba City, CA 95993
1139 Hooper Road, Yuba City, CA 95993

PRELIMINARY REPORT

In response to the above referenced application for a policy of title insurance, Placer Title Company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said Policy or Policies are set forth in Attachment One. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Attachment One. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Attachment One of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

Dated: May 21, 2021 at 7:30AM
Title Officer: Brett Gerdts

The form of policy of title insurance contemplated by this report is:

2006 ALTA Standard Owners Policy

2006 ALTA Extended Loan Policy

The estate or interest in the land hereinafter described or referred to covered by this report is:

Fee Simple

Title to said estate or interest at the date hereof is vested in:

Leonard A. Henson and Mary Carol Henson, Trustees, or their successors in trust, under the Henson Family Living Trust, dated August 18, 1995 and any amendments thereto, as to Parcel One;

Leonard A. Henson and Mary Carol Henson, Trustees, and to the Successor Trustees of the Henson Family Trust dated August 18, 1995, as amended, as to Parcel Two; and

Sylvia Henson, a widow, as to a Life Estate, and Leonard A. Henson and Mary Carol Henson, Trustees, or their successors in trust, under the Henson Family Living Trust, dated August 18, 1995 and any amendments thereto, as to the Remainder, as to Parcel Three

The land referred to in this report is described as follows:

See Exhibit “A” Attached for Legal Description

Exhibit "A"
Legal Description

The land described herein is situated in the State of California, County of Sutter, City of Yuba City, described as follows:

Parcel One: (APN: 62-082-009 and 62-082-014)

A portion of Lots 22 and 23 of Subdivision No. 2 of the Elmer Tract, in the City of Yuba City, County of Sutter, State of California, according to the map thereof recorded February 4, 1908 in Book 1, Page 61 of Surveys, in the Office of the County Recorder of said County, described as follows:

Beginning at the Southeast corner of said Lot 23 and running thence Westerly along the South line of said Lot 23, a distance of 156.00 feet; thence Northerly, parallel to the East line of said Lot 23, a distance of 340.00 feet; thence Easterly parallel to the South line of said Lot 23 and Lot 22, a distance of 200 feet; thence South parallel to the East line of said Lot 23, a distance of 340.00 feet to the South line of said Lot 22; and thence Westerly along the South line of Lot 22, 44.0 feet to the point of beginning.

Parcel Two: (APN: 62-082-011)

Lot 24 of Subdivision No. 2 of the Elmer Tract, in the City of Yuba City, County of Sutter, State of California, according to the map thereof recorded February 4, 1908 in Book 1, Page 61 of Surveys, in the Office of the County Recorder of said County.

Excepting therefrom that portion conveyed to Earl D. Larsen and Rosetta M. Larsen, his wife, as Joint Tenants, in deed recorded December 13, 1963 in Book 636, Page 346 of Official Records, described as follows:

Beginning at a point in the West line of Lot 24, as shown upon that certain Map entitled "Map of Subdivision No. 2 of the Elmer Tract", filed February 4, 1908 and recorded in Book 1 of Surveys, at Page 61, Sutter County Records, distant thereon North 1° 04' West, 145.0 feet from the Southwest corner of said lot; thence from said point of beginning, continuing along the West line of said Lot 24, North 1° 04' West, 168.0 feet; thence leaving said West line, running Easterly at right angles to said West boundary line, a distance of 150.0 feet; thence Southerly at right angles, 168.0 feet; thence Westerly at right angles 150.0 feet to the point of beginning.

Parcel Three: (APN: 62-082-015)

Lots 22 and 23 of Subdivision No. 2 of the Elmer Tract, in the City of Yuba City, County of Sutter, State of California, according to the map thereof recorded February 4, 1908 in Book 1, Page 61 of Surveys, in the Office of the County Recorder of said County.

Excepting therefrom that portion described as follows:

A portion of Lots 22 and 23 of Subdivision No. 2 of the Elmer Tract, in the City of Yuba City, County of Sutter, State of California, according to the map thereof recorded February 4, 1908 in Book 1, Page 61 of Surveys, in the Office of the County Recorder of said County, described as follows:

Beginning at the Southeast corner of said Lot 23 and running thence Westerly along the South line of said Lot 23, a distance of 156.00 feet; thence Northerly, parallel to the East line of said Lot 23, a distance of 340.00 feet;

thence Easterly parallel to the South line of said Lot 23 and Lot 22, a distance of 200 feet; thence South parallel to the East line of said Lot 23, a distance of 340.00 feet to the South line of said Lot 22; and thence Westerly along the South line of Lot 22, 44.0 feet to the point of beginning.

APN: 62-082-014, 62-082-015, 62-082-009, 62-082-011

EXCEPTIONS

At the date hereof, exceptions to coverage in addition to the printed Exceptions and Exclusions in said policy form would be as follows:

1. Taxes, special and general, assessment districts and service areas for the fiscal year 2021-2022, a lien, not yet due or payable.

2. The lien of supplemental taxes, if any, assessed pursuant to the provisions of Chapter 3.5, (commencing with Section 75) of the Revenue and Taxation Code, of the State of California.

   NOTE: (For proration purposes only)

   Taxes, special and general, assessment districts and service areas for the Fiscal Year 2020-2021

1st Installment:	$650.65	PAID
2nd Installment:	$650.65	PAID
Parcel Number:	62-082-009	
Code Area:	00-1275	
Land Value:	$49,771.00	
Improvements:	$37,826.00	
Exemption:	$0.00	

   (Affects a portion of Parcel One)

   NOTE: (For proration purposes only)

   Taxes, special and general, assessment districts and service areas for the Fiscal Year 2020-2021:

1st Installment:	$1,465.69	PAID
2nd Installment:	$1,465.69	PAID
Parcel Number:	62-082-014	
Code Area:	00-1275	
Land Value:	$56,835.00	
Improvements:	$114,867.00	
Exemption:	$0.00	

   (Affects the remainder of Parcel One)

   NOTE: (For proration purposes only)

   Taxes, special and general, assessment districts and service areas for the Fiscal Year 2020-2021:

1st Installment:	$1,737.29	PAID
2nd Installment:	$1,737.29	PAID
Parcel Number:	62-082-011	
Code Area:	00-1270	
Land Value:	$273,301.00	

Improvements:	$37,202.00
Exemption:	$0.00

(Affects Parcel Two)

NOTE: (For proration purposes only)

Taxes, special and general, assessment districts and service areas for the Fiscal Year 2020-2021:

1st Installment:	$3,045.59	PAID
2nd Installment:	$3,045.59	PAID
Parcel Number:	62-082-015	
Code Area:	00-1275	
Land Value:	$328,318.00	
Improvements:	$187,308.00	
Exemption:	$0.00	

(Affects Parcel Three)

3. Any taxes or assessments levied by:

   A. Sutter County Water Agency
   B. Sutter Butte Flood Control Agency
   C. Levee District No. 9

4. Oil, Gas and Mineral Lease, by and between W. L. Henson and Mary Etta Henson, husband and wife, as Lessor, and Humble Oil and Refining Company, a corporation, as Lessee, and on the terms and conditions contained therein, recorded as (book) 212 (page) 306, Official Records.

   (Affects Parcels One and Three)
   Document Link

   Defects, liens, encumbrances or other matters affecting the leasehold estate, whether or not shown by the public records.

5. Deed of Trust to secure an indebtedness of $54,700.00, dated January 14, 1993, recorded January 21, 1993, (instrument) 1445, Official Records.

Trustor:	Leonard A. Henson and Mary C. Henson, husband and wife
Trustee:	Fidelity National Title Insurance Company of California, a corporation
Beneficiary:	Sylvia Henson, a widow
Loan No.:	N/A

   (Affects Parcel Three)
   Document Link

6. An easement for public road over the Westerly 25 feet of Parcels Two and Three, the Southerly 25 feet of Parcels One and Three, and the Easterly 25 feet of Parcel Three, as disclosed and depicted on Parcel Map No. 1066, recorded August 8, 2005 in Book 7, Page 36 of Parcel Maps, Sutter County Records.
   Document Link

7. An unrecorded easement for storm drain lines as disclosed by the document entitled "Reimbursement Agreement", recorded April 9, 2009, Instrument No. 2009-0006507, Official Records.

   The exact location and extent of said easement cannot be located from the record information.
   Document Link

8. Any amounts that may be due by reason of the terms, conditions, provisions and stipulations as contained in the agreement entitled "Reimbursement Agreement", by and between City of Yuba City, and Siena Partners, LLC, recorded April 29, 2009, (instrument) 2009-0006507, Official Records.
   Document Link

9. An encroachment of improvements located on Parcel One onto adjoining Parcel Three, as disclosed by an inspection.

10. Any right, interest or claim that may exist, arise or be asserted against the Title under or pursuant to the Perishable Agricultural Commodities Act of 1930, as amended, 7 USC 499a et seq., the Packers and Stockyard Act of 1921, as amended, 7 USC 181 et seq., or any similar state laws.

11. Riparian or water rights, claims, or title to water whether or not shown by the public records.

12. Rights of tenants in possession, including any unrecorded leases and/or subleases affecting the herein described property.

13. Terms, provisions and conditions of that certain trust agreement referred to in the vesting herein. We will require that a completed, signed and notarized trust certification pursuant to Section 18100.5 of the Probate Code be submitted prior to closing. If trustee is deceased, incompetent or has resigned, both a trust certification, signed by successor trustee and copies of the entire trust including any amendments must be submitted for review prior to closing.

14. The requirement that Placer Title Company be provided with a Free and Clear Affidavit-Verification of Unencumbered Property executed by the vestee(s) herein.

    (Affects Parcels One and Two)

    ********** SPECIAL INFORMATION **********

    *** CHAIN OF TITLE REPORT:

    According to the public records, no deeds conveying the property described in this report have been recorded within a period of 2 years prior to the date of this report, except as shown herein: NONE

    *** LENDER'S SUPPLEMENTAL ADDRESS REPORT:

    The above numbered report is hereby modified and/or supplemented to reflect the following additional items relating to the issuance of an American Land Title Association Loan Form Policy:

    Placer Title Company states that the herein described property is a Commercial Structure (Parcel One), Agricultural Land (Parcel Two) and Farm w/Homesite (Parcel Three) and that the property address is:

    2689 Colusa Highway, Yuba City, CA 95993
    2665 Colusa Highway, Yuba City, CA 95993

1139 Hooper Road, Yuba City, CA 95993

***NOTICE REGARDING MAPS

Any maps provided herewith are for reference only. The property and/or easements shown are but approximations, and no assurances are given as to accuracy, reliability, dimensions or acreage. This will not limit the coverage provided by a CLTA 116, 116.1 or 116.03 endorsement if issued to the policy.

*** NOTICE REGARDING FUNDS DEPOSITED IN ESCROW:

IMPORTANT NOTICE- ACCEPTABLE TYPE OF FUNDS

Please be advised that in accordance with the provisions of the California Insurance Code, Section 12413.1, any funds deposited for the closing must be deposited into the escrow depository and cleared prior to disbursement. Funds deposited by wire transfer may be disbursed upon receipt. Funds deposit via cashier's checks drawn on a California based bank may be disbursed the next business day. If funds are deposited with the Company by other methods, recording and/or disbursement may be delayed.

IMPORTANT NOTE: PLEASE BE ADVISED THAT ESCROW HOLDER DOES NOT ACCEPT CASH, MONEY ORDERS, ACH TRANSFERS, OR FOREIGN CHECKS.

PLEASE CONTACT ESCROW REGARDING QUESTIONS ON TYPE OF FUNDS REQUIRED IN ORDER TO FACILITATE THE PROMPT CLOSING OF THIS TRANSACTION.

NOTE: If you intend to remit multiple cashier's checks to close your escrow (which may or may not include gift funds or third party funds) IRS cash reporting under IRS Code 8300 may be required. For this reason, you may wish to consider wiring funds in lieu of remitting cashier's checks.

*** DISCLOSURE OF DISCOUNTS ***

You may be entitled to a discount on your title premiums and/or escrow fees if you meet any of the following conditions:

1. You are an employee of the title insurer or Placer Title Company and the property is your primary residence; or
2. The transaction is a loan, the purpose of which is to rebuild the improvements on the property as a result of a governmentally declared disaster; or
3. The property is being purchased or encumbered by a religious, charitable or nonprofit organization for its use within the normal activities for which such entity was intended.

Please advise the company if you believe any of the above discounts apply.

*** LENDER'S NOTE ***

In accordance with Executive Order 13224, and the USA Patriot Act, **PLACER TITLE COMPANY** compares the names of parties to the proposed transaction to the Specially Designated Nationals and Blocked Persons (SDN List) maintained by the United States Office of Foreign Asset Control.

*** BUYER'S NOTE ***

If an ALTA Residential Owner's Policy is requested and if the property described herein is determined to be eligible for this policy, the following Exceptions From Coverage will appear in the policy:

1. Taxes or assessments which are not shown as liens by the public records or by the records of any taxing authority.

2. (a) Water rights, claims or title to water; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) unpatented mining claims; whether or not the matters exception under (a), (b) or (c) are shown by the public records.

3. Any rights, interest or claims of parties in possession of the land which are not shown by the public records.

4. Any easements or liens not shown by the public records. This exception does not limit the lien coverage in Item 8 of the Covered Title Risks.

5. Any facts about the land which a correct survey would disclose and which are not shown by the public records. This exception does not limit the forced removal coverage in Item 12 of the Covered Title Risks.

CLTA PRELIMINARY REPORT FORM
Attachment One (Rev 06-05-14)
CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY - 1990
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
   (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
   (c) resulting in no loss or damage to the insured claimant;
   (d) attaching or created subsequent to Date of Policy; or
   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I (continued)

2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA/ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13)
EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning: a) building; b) zoning; c) land use; d) improvements on the Land; e) land division; and f) environmental protection. This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks: a) that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records; b) that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date; c) that result in no loss to You; or d) that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
5. Failure to pay value for Your Title.
6. Lack of a right: a) to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and b) in streets, alleys, or waterways that touch the Land. This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

- For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1% of Policy Amount or $2,500.00 (whichever is less)	$10,000.00
Covered Risk 18:	1% of Policy Amount or $5,000.00 (whichever is less)	$25,000.00
Covered Risk 19:	1% of Policy Amount or $5,000.00 (whichever is less)	$25,000.00
Covered Risk 21:	1% of Policy Amount or $2,500.00 (whichever is less)	$5,000.00

2006 ALTA LOAN POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
   (a) a fraudulent conveyance or fraudulent transfer, or
   (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.

EXCLUSIONS FROM COVERAGE (continued)

7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.

2006 ALTA OWNER'S POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.

EXCLUSIONS FROM COVERAGE (continued)

3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
   (a) a fraudulent conveyance or fraudulent transfer; or
   (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

[The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.
7. [Variable exceptions such as taxes, easements, CC&R's, etc. shown here.]

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (12-02-13)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
   (a) a fraudulent conveyance or fraudulent transfer, or
   (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

NOTICE
FEDERAL FOREIGN INVESTMENT IN REAL PROPERTY TAX ACT OF 1980 (FIRPTA)

Upon the sale of United States real property, by a non-resident alien, foreign corporation, partnership or trust, the Foreign Investment in Real Property Tax Act of 1980 (FIRPTA), and as revised by the Tax Reform Act of 1984 (26 USCA 897 (C)(1)(A)(1) and 26 USCA 1445), Revised by the Path Act of 2015, These changes may be reviewed in full in H.R. 2029, now known as Public Law 114-113. See Section 324 of the law for the full text of FIRPTA changes. Effective February 27, 2016, the amendments to FIRPTA contained in the PATH Act have increased the holdback rate from 10% of gross proceeds to 15% of gross proceeds of the sale, regardless of whether the actual tax due may exceed (or be less than) the amount withheld if ANY of the following conditions are met:

1. If the amount realized (generally the sales price) is $300,000 or less, and the property will be used by the Transferee as a residence (as provided for in the current regulations), no monies need be withheld or remitted to the IRS.

2. If the amount realized exceeds $300,000 but does not exceed $1,000,000, and the property will be used by the Transferee as a residence, (as provided for in the current regulations) then the withholding rate is 10% on the full amount realized (generally the sales prices)

3. If the amount realized exceeds $1,000,000, then the withholding rate is 15% on the entire amount, regardless of use by the Transferee. The exemption for personal use as a residence does not apply in this scenario.
If the purchaser who is required to withhold income tax from the seller fails to do so, the purchaser is subject to fines and penalties as provided under Internal Revenue Code Section 1445.

Escrow Holder will, upon written instructions from the purchaser, withhold Federal Income Tax from the seller and will deposit said tax with the Internal Revenue Service, together with IRS Forms 8288 and 8288-A. The fee charged for this service is $25.00 payable to the escrow holder.

CALIFORNIA WITHHOLDING

In accordance with Sections 18662 and 18668 of the Revenue and Taxation Code, a transferee (Buyer) may be required to withhold an amount equal to 3 1/3 percent of the sales price or an alternative withholding amount certified to by the seller in the case of a disposition of California real property interest by either:

1. A seller who is an individual or when the disbursement instructions authorize the proceeds to be sent to a financial intermediary or the seller, OR
2. A corporate seller that has no permanent place of business in California.

The buyer may become subject to penalty for failure to withhold an amount equal to the greater of 10 percent of the amount required to be withheld or five hundred dollars ($500).

However, notwithstanding any other provision included in the California statutes referenced above, no buyer will be required to withhold any amount or be subject to penalty for failure to withhold if:

1. The sales price of the California real property conveyed does not exceed one hundred thousand dollars ($100,000.00), OR
2. The seller executes a written certificate, under the penalty of perjury, of any of the following:
    a. The property qualifies as the seller's (or decedent's, if being sold by the decedent's estate) principal residence within the meaning of Internal Revenue Code (IRC) Section 121; or
    b. The seller (or decedent, if being sold by the decedent's estate) last used the property as the seller's (decedent's) principal residence within the meaning of IRC Section 121 without regard to the two-year time period; or
    c. The seller has a loss or zero gain for California income tax purposes on this sale; or
    d. The property is being compulsorily or involuntarily converted and the seller intends to acquire property that is similar or related in service or use to qualify for non-recognition of gain for California income tax purposes under IRC Section 1033; or
    e. If the transfer qualifies for non-recognition treatment under IRC Section 351 (transfer to a corporation controlled by the transferor) or IRC Section 721 (contribution to a partnership in exchange for a partnership interest); or
    f. The seller is a corporation (or an LLC classified as a corporation for federal and California income tax purposes) that is either qualified through the California Secretary of State or has a permanent place of Business in California; or
    g. The seller is a partnership (or an LLC that is not a disregarded single member LLC and is classified as a partnership for federal and California income tax purposes) with recorded title to the property in the name of the partnership of LLC; or
    h. The seller is a tax-exempt entity under either California or federal law; or
    i. The seller is an insurance company, individual retirement account, qualified pension/profit sharing plan, or charitable remainder trust; or
    j. The transfer qualifies as a simultaneous like-kind exchange within the meaning of IRC Section 1031; or
    k. The transfer qualifies as a deferred like-kind exchange within the meaning of IRC Section 1031; or
    l. The transfer of this property will be an installment sale that you will report as such for California tax purposes and the buyer has agreed to withhold on each principal payment instead of withholding the full amount at the time of transfer.

The Seller is subject to penalty for knowingly filing a fraudulent certificate for the purpose of avoiding the withholding requirement.

NOTICE
DEPOSIT OF FUNDS AND DISBURSEMENT DISCLOSURE

Unless you elect otherwise (as described below), all funds received by (the "Company") in escrow will be deposited with other escrow funds in one or more non-interest bearing escrow accounts of the Company in a financial institution selected by the Company. The depositor acknowledges that the deposit of funds in a non-interest bearing demand account by Escrow Holder may result in said company receiving a range of economic benefits from the bank in the form of services, credits, considerations, or other things of value. The depositor hereby specifically waives any claim to such economic benefits payable to Escrow Holder resulting from non-interest bearing deposits. Unless you direct the Company to open an interest-bearing account (as described below), the Company shall have no obligation to account to you in any manner for the value of, or to compensate any party for, any benefit received by the Company and/or its affiliated company. Any such benefits shall be deemed additional compensation of the Company for its services in connection with the escrow.

If you elect, funds deposited by you prior to the close of escrow may be placed in an individual interest-bearing account arrangement that the Company has established with one of its financial institutions. You do not have an opportunity to earn interest on the funds deposited by a lender. If you elect to earn interest through this special account arrangement, the Company will charge you an additional fee of $50.00 for the establishment and maintenance of the account. This fee compensates the Company for the costs associated with opening and managing the interest-bearing account, preparing correspondence/documentation, transferring funds, maintaining appropriate records for audit/reconciliation purposes, and filing any required tax withholding statements. It is important that you consider this cost in your decision since the cost may exceed the interest you earn.



Placer Title Co., Montana Title and Escrow, National Closing Solutions, National Closing Solutions of Alabama, National Closing Solutions of Maryland, North Idaho Title Insurance, Placer Title Insurance Agency of Utah, Premier Reverse Closings, Premier Title Agency, Texas National Title, Washington Title and Escrow, Western Auxiliary Corp., Wyoming Title and Escrow

NOTICE AT COLLECTION AND PRIVACY POLICY
updated July 1, 2020

We respect your personal information and are committed to protecting it. We are disclosing how Mother Lode Holding Company and its subsidiaries listed above (together referred to as "we," "us," or "our") collect, use, and share your personal information. Sections 1 and 2 constitute our Notice at Collection, Sections 1 – 9 are our Privacy Policy, and Sections 10 – 11 are additional sections of our Privacy Policy that apply only to California residents.

1. Personal Information We Collect

We may collect and over the last 12 months have collected personal information in the following categories: (A) Identity information such as name, postal address, email address, date of birth, social security number, driver's license, passport, signature, physical characteristics or description, telephone number, or other similar information; (B) Financial information (such as bank account information) and insurance information; (C) Records of services or products requested or purchased; (D) Biometric information (thumbprints obtained by notaries); (E) Internet or other electronic network activity information, such as online identifiers, Internet Protocol address, and information relating to interaction with our Internet websites and mobile applications; (F) Audio (voice messages), electronic, or similar information; (G) Professional or employment-related information; (H) Education information; (I) Characteristics of protected classifications such as marital status; (J) Geolocation information (with consent when using our mobile applications); and (K) information relating to pandemics, including medical, health, and travel information.

2. Purposes

We collect the above information, and have collected it in the last 12 months, for the following purposes: Our operational purposes, including providing escrow and title services, fulfilling a transaction, verifying customer information, and providing and improving customer service (categories A-J); Detecting, protecting against, and reporting malicious, deceptive, fraudulent, or illegal activity (A-I); Providing and improving Websites, and debugging to find and repair errors (A, C E, F, J); Auditing and complying with legal and other similar requirements (A-I); and to reduce the risk of spreading infectious diseases and to protect our employees and guests (K).

3. Sources, Sharing

The sources from which the information is and was collected include: the consumer or their authorized representative (A-J); government entities, service providers, financial institutions, our affiliates, real estate settlement service providers, real estate brokers and agents (A-D, F-I); and our internet websites and mobile applications (A-C, E-J). The categories of third parties with whom we share and have shared personal information include: a consumer's authorized representative (A-I); government entities, service providers and consultants, financial institutions, our affiliates, real estate settlement service providers, real estate brokers and agents, abstractors (A-I); notaries public (K); and data analytics and internet service providers (E, F, J). We may also disclose your information as part of a business transaction, such as a merger, sale, reorganization or acquisition (A-J).

4. Cookies and similar technologies

We use "cookies" and similar technologies when you access our websites or mobile applications. A "cookie" is a piece of information that our website sends to your browser, which then stores this information on your system. If a cookie is used, our website will be able to "remember" information about you and your preferences either until you exit your current browser window (if the cookie is temporary) or until you disable or delete the cookie. Many users prefer to use cookies in order to help them navigate a website as seamlessly as possible.

We use "cookies" in the following situations. The first situation is with respect to temporary cookies. If you are accessing our services through one of our online applications our server may automatically send your browser a temporary cookie, which is used to help your browser navigate our site. The only information contained in these temporary cookies is a direction value that lets our software determine which page to show when you hit the back button in your browser. This bit of information is erased when you close your current browser window. The second situation in which we may use cookies is with respect to permanent cookies. This type of cookie remains on your system, although you can always delete or disable it through your browser preferences. There are two instances in which we use a permanent cookie. First, when you visit our website and request documentation or a response from us. When you are filling out a form, you may be given the option of having our website deliver a cookie to your local hard drive. You might choose to receive this type of cookie in order to save time in filling out forms and/or revisiting our website. We only send this type of cookie to your browser when you have clicked on the box labeled "Please remember my profile information" when submitting information or communicating with us. The second instance where we use a permanent cookie is where we track traffic patterns on our site. Analysis of the collected information by our tracking technologies allows us to improve our website and the user experience. In both instances of a persistent cookie, if you choose not to accept the cookie, you will still be able to use our website. Even if you choose to receive this type of cookie, you can set your browser to notify you when you receive any cookie, giving you the chance to decide whether to accept or reject it each time one is sent.

5. Links to Other Websites and Do Not Track

Our website may contain links to third party websites, which are provided and maintained by the third party. Third party websites are not subject to this notice or privacy policy. Currently, we do not recognize "do not track" requests from Internet browsers or similar devices.

6. Sale

We do not sell personal information about consumers and have not sold information about consumers in the last 12 months.

7. Minors

We do not collect information from minors under the age of 18.

8. Safeguards

We restrict access to the information we collect to individuals and entities who need to know the information to provide services as set forth above. We also maintain physical, electronic and procedural safeguards to protect information, including data encryption.

9. Access and Changes

This notice and policy can be accessed https://www.mlhc.com/privacy-policy. Disabled consumers may access this notice in an alternative format by contacting MLHC Counsel, Legal Dept., 1508 Eureka Rd., #130, Roseville, CA 95661, or calling our toll free number at 1-877-626-0668, or emailing privacy@mlhc.com. This notice and policy will change from time to time. All changes will be provided at https://www.mlhc.com/privacy-policy and furnished through an appropriate method such as electronically, by mail, or in person. The effective date will be stated on the notice and policy.

Questions about this notice and privacy policy may be sent to MLHC Counsel, Legal Dept., 1508 Eureka Rd., #130, Roseville, CA 95661 or privacy@mlhc.com.

CALIFORNIA SUPPLEMENT - THE REMAINDER OF THIS POLICY APPLIES ONLY TO CALIFORNIA RESIDENTS

10. Requests Under the California Consumer Privacy Act ("CCPA")

California residents have the right to make a "request to know" (1) the specific pieces of personal information we have collected about them; (2) categories of personal information we have collected; (3) categories of sources from which the personal information was collected; (4) categories of personal information we disclosed for a business purpose; (5) purpose for collecting the information; and (6) categories of third parties with whom we shared personal information. California residents have the right to request that we deliver to them their personal information free of charge. California residents have the right to make a "request to delete" from our records of their personal information that we have collected, subject to legal limitations. We do not discriminate against consumers for exercising rights under the CCPA or other laws.

11. How to Make a Request under the California Consumer Privacy Act

To make a CCPA "request to know," a "request to delete," or any other request under the CCPA, a California consumer may (1) submit a request to privacy@mlhc.com; (2) call us toll-free at 1-877-626-0668; or (3) send a written request to MLHC Counsel, Legal Dept., 1508 Eureka Rd., #130, Roseville, CA 95661. Please note that you must verify your identity before we take further action. To verify your identity, we will try to use information you have already provided. We may also need additional information. Consistent with California law, you may designate an authorized agent to make a request on your behalf. To do this, you must provide a valid power of attorney, the requester's valid government issued identification, and the authorized agent's valid government issued identification. California residents may "opt out" of the sale of their personal information. However, we do not sell your personal information and therefore we do not offer an "opt out."

Upon receipt of a verified consumer request, we will respond by giving you the information requested for the 12-month period before our receipt of your verified consumer request at no cost to you, or deleting the information and notifying any service providers to delete it, subject to legal limitations. If we have a valid reason to retain personal information or are otherwise unable to comply with a request, we will tell you. For example, the law may not require us or allow us to delete certain information collected. In addition, personal information we collect pursuant to the federal Gramm-Leach-Bliley Act is exempt from most of the provisions of the CCPA.

Questions about this notice and privacy policy may be sent to MLHC Counsel, Legal Dept., 1508 Eureka Rd., #130, Roseville, CA 95661 or privacy@mlhc.com.

GRAMM-LEACH-BLILEY ACT PRIVACY POLICY NOTICE

Title V of the Gramm-Leach-Bliley Act (GLBA) requires financial companies to provide you with a notice of their privacy policies and practices, such as the types of nonpublic personal information that they collect about you and the categories of persons or entities to whom it may be disclosed. In compliance with the Gramm-Leach-Bliley-Act, we are notifying you of the privacy policies and practices of:

Mother Lode Holding Co.
Montana Title and Escrow Co.
National Closing Solutions, Inc.
National Closing Solutions of Alabama
National Closing Solutions of Maryland
Premier Reverse Closings
Placer Title Co.
Placer Title Insurance Agency of Utah
Premier Title Agency
North Idaho Title Insurance Co.
Texas National Title
Western Auxiliary Corp.
Wyoming Title and Escrow Co.

The types of personal information we collect and share depend on the transaction involved. This information may include:

- Identity information such as Social Security number and driver's license information.
- Financial information such as mortgage loan account balances, checking account information and wire transfer instructions
- Information from others involved in your transaction such as documents received from your lender

We collect this information from you, such as on an application or other forms, from our files, and from our affiliates or others involved in your transaction, such as the real estate agent or lender.

We may disclose any of the above information that we collect about our customers or former customers to our affiliates or to non-affiliates as permitted by law for our everyday business purposes, such as to process your transactions and respond to legal and regulatory matters. We do not sell your personal information or share it for marketing purposes.

We do not share any nonpublic personal information about you with anyone for any purpose that is not specifically permitted by law.

We restrict access to nonpublic personal information about you to those employees who need to know that information in order to provide products or services to you. We maintain physical, electronic and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Questions about this notice and privacy policy may be sent to MLHC Counsel, Legal Dept., 1508 Eureka Rd., #130, Roseville, CA 95661 or privacy@mlhc.com.

PRIVACY POLICY
Westcor Land Title Insurance Company

Westcor Land Title Insurance Company ("WLTIC") values its customers and is committed to protecting the privacy of personal information. In keeping with that philosophy, we have developed a Privacy Policy, set out below, that will ensure the continued protection of your nonpublic personal information and inform you about the measures WLTIC takes to safeguard that information.

Who is Covered

Our Privacy Policy applies to each customer who purchases a WLTIC title insurance policy. Typically, this means that the customer covered by our Privacy Policy at the closing of the real estate transaction.

Information Collected

In the normal course of business and to provide the necessary services to our customers, we may obtain nonpublic personal information directly from the customer, from customer-related transactions, or from third parties such as our title insurance agents, lenders, appraisers, surveyors or other similar entities.

Access to Information

Access to all nonpublic personal information is limited to those employees who have a need to know in order to perform their jobs. These employees include, but are not limited to, those in departments such as legal, underwriting, claims administration and accounting.

Information Sharing

It is the policy of WLTIC not to share nonpublic personal information that it collects with anyone other than our policy issuing agents as necessary to complete the real estate settlement services and issue the title insurance policy requested by our customer. WLTIC may share nonpublic personal information as permitted by law with entities with whom WLTIC has a joint marketing agreement. Entities with whom WLTIC has a joint marketing agreement have agreed to protect the privacy of our customer's nonpublic personal information by utilizing similar precautions and security measures to those that WLTIC uses to protect this information and only to use the information for lawful purposes. WLTIC, however, may share information as required by law in response to a subpoena, to a government regulatory agency or to prevent fraud.

Information Security

WLTIC, at all times, strives to maintain the confidentiality and integrity of the personal information in its possession and has instituted measures to guard against its unauthorized access. We maintain physical, electronic and procedural safeguards in compliance with federal standards to protect that information.

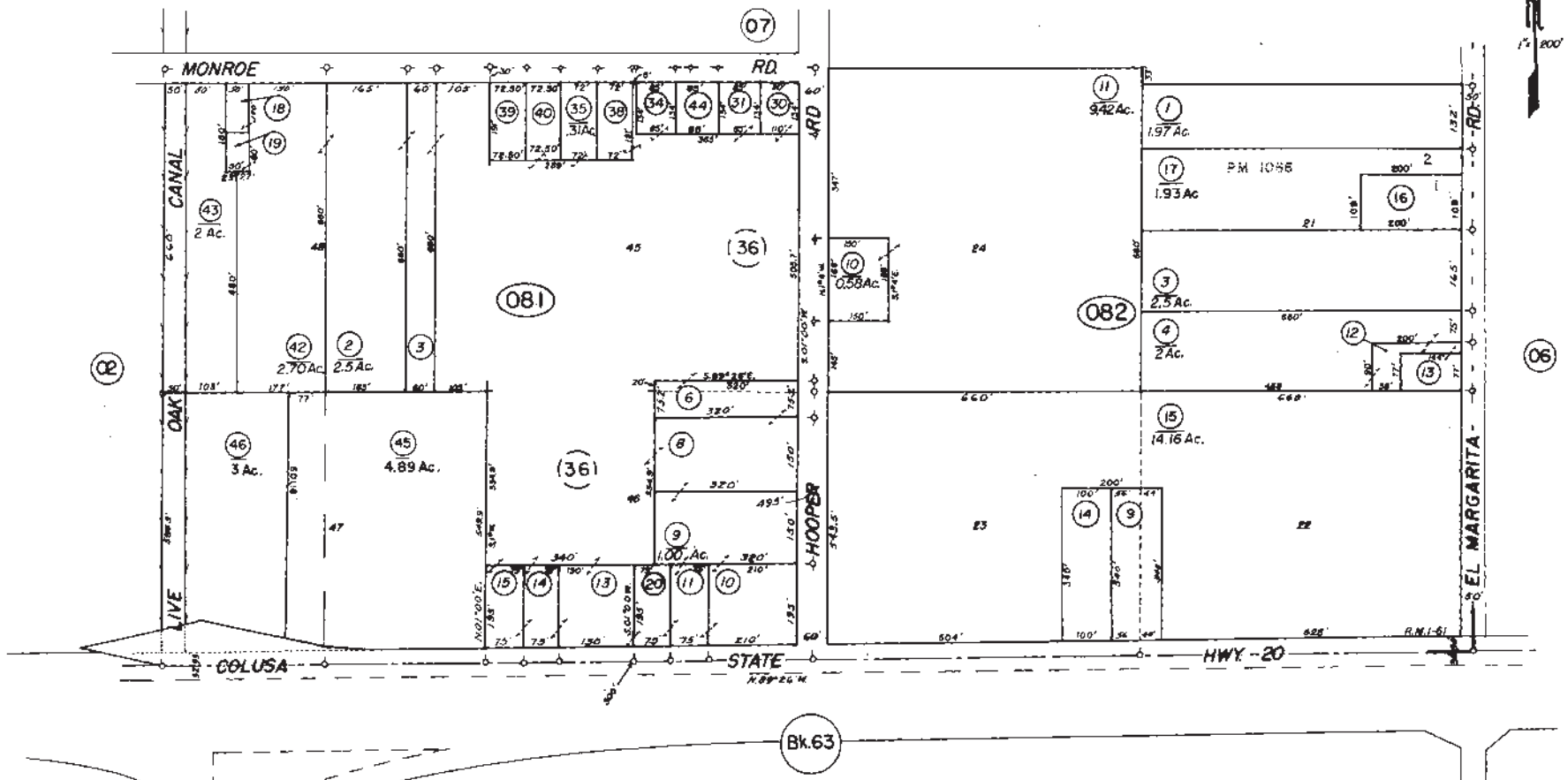
Description: Sutter,CA Assessor Map 62.8 Page: 1 of 1
Order: Brett Comment:

62-08

ELMER TRACT, SUBD. NO. 2

R.M. Bk. 1 Pg. 61

POR. S.W. 1/4 SEC. 17, T. 15 N., R. 3 E., M.D.B.&M.



Assessor's Map Bk. 62 -Pg. 08
County of Sutter, Calif.
2005-3

NOTE - ASSESSOR'S BLOCK & LOT NUMBERS SHOWN IN CIRCLES

Henson Ranch Project
2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Yuba City, CA 95993

Inquiry Number: 6603319.3
August 02, 2021

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

08/02/21

Site Name:

Henson Ranch Project
2689, 2665, 2689 Colusa Hwy,
Yuba City, CA 95993
EDR Inquiry # 6603319.3

Client Name:

Marcus Bole and Associates
104 Brock Drive
Wheatland, CA 95692
Contact: Marcus H Bole

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Marcus Bole and Associates 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 # 7E53-49E5-A068

PO # NA

Project Henson Ranch Project

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 #: 7E53-49E5-A068

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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Henson Ranch Project
2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Yuba City, CA 95993

Inquiry Number: 6603319.8
August 03, 2021

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Marcus Bole and Associates on Aug 03, 2021.

TARGET PROPERTY

2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Yuba City, CA 95993

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Yuba City

Year	*Source*	*TP*	*Adjoining*
2021	Yuba City, Community Development		
2020	Yuba City, Community Development		
2019	Yuba City, Community Development		
2018	Yuba City, Community Development		X
2017	Yuba City, Community Development		X
2016	Yuba City, Community Development		X
2015	Yuba City, Community Development		X
	Yuba City, Community Development	X	
2014	Yuba City, Community Development		X
	Yuba City, Community Development	X	
2013	Yuba City, Community Development		X
2012	Yuba City, Community Development		
2011	Yuba City, Community Development		
2010	Yuba City, Community Development		X
	Yuba City, Community Development	X	
2009	Yuba City, Community Development		
2008	Yuba City, Community Development	X	
2007	Yuba City, Community Development		X
	Yuba City, Community Development	X	
2006	Yuba City, Community Development		X
2005	Yuba City, Community Development		X
2004	Yuba City, Community Development		
2003	Yuba City, Community Development		
2002	Yuba City, Community Development		
2001	Yuba City, Community Development		
2000	Yuba City, Community Development		
1999	Yuba City, Community Development		
1998	Yuba City, Community Development		

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
1997	Yuba City, Community Development		
1996	Yuba City, Community Development		
1995	Yuba City, Community Development		
1994	Yuba City, Community Development		
1993	Yuba City, Community Development		
1992	Yuba City, Community Development		
1991	Yuba City, Community Development		
1990	Yuba City, Community Development		

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Yuba City
Years: 1990-2021
Source: Yuba City, Community Development, YUBA CITY, CA
Phone: (530) 822-4629

Name: Redding
Years: 1926-2021
Source: City of Redding, Development Services, Building Division, OROVILLE, CA
Phone: 530-225-4014

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Yuba City, CA 95993

1139 HOOPER RD

C.O. Issued Date:	**7/30/2015**
Date:	**7/20/2015**
Permit Type:	**WC/R**
Description:	**1" WATER CONNECTION, SFD, CITY**
Permit Description:	**WATER CONNECTION - RESIDE**
Work Class:	
Proposed Use:	PLUM
Permit Number:	14020068
Status:	CLOSED
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	

Date:	**2/6/2014**
Permit Type:	**REP/R**
Description:	**REPLACE EXISTING TUB WITH WALK-IN TUB, ADD 2 DEDICATED 20 AMP GFCI CIRCUITES CHECK BOUNCED; PERMIT PROGRAM INTERFACE WITH FINANCE UNABLE TO UN-POST PAID FEES TO SHOW BALANCE DUE AGAIN SO FEES WERE DOUBLED IN ORDER TO ALLOW FOR RE-POSTING WHEN PAYMENT IS RECEIVED. TJR, 04/09/2014**
Permit Description:	**RESIDENTIAL REPAIRS-REPLA**
Work Class:	
Proposed Use:	RACKING-C
Permit Number:	14020022
Status:	OPEN
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	GREENWORKSUS

TARGET PROPERTY FINDINGS

C.O. Issued Date:	**10/15/2010**
Date:	**8/12/2010**
Permit Type:	**WTH/R**
Description:	**WATER HEATER REPLACEMENT**
Permit Description:	**WATER HEATER - RESIDENTIA**
Work Class:	
Proposed Use:	WTRHTR
Permit Number:	10080069
Status:	CLOSED
Valuation:	$1,711.00
Contractor Company:	
Contractor Name:	GALLAGHER'S HEATING & AIR

Date:	**5/27/2008**
Permit Type:	**ROF/R**
Description:	**Reroof, comp. to comp.**
Permit Description:	**ROOFING - RESIDENTIAL**
Work Class:	
Proposed Use:	
Permit Number:	08050103
Status:	C
Valuation:	$7,000.00
Contractor Company:	
Contractor Name:	

Date:	**9/11/2007**
Permit Type:	**SCR1/R**
Description:	**SEWER CONNECTION, SFD, CITY**
Permit Description:	**SEWER CONNECTION R-1**
Work Class:	
Proposed Use:	
Permit Number:	07090033
Status:	C
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	

TARGET PROPERTY FINDINGS

Date:	**3/30/2007**
Permit Type:	**HVA/R**
Description:	**CHANGE OUT OF EXSISTING HVAC**
Permit Description:	**HVAC UNIT - RESIDENTIAL**
Work Class:	
Proposed Use:	
Permit Number:	07030228
Status:	C
Valuation:	$9,846.00
Contractor Company:	
Contractor Name:	

2689 COLUSA HWY

C.O. Issued Date:	**11/25/2008**
Date:	**11/19/2008**
Permit Type:	**ROF/R**
Description:	**REROOF COMP TO COMP**
Permit Description:	**ROOFING - RESIDENTIAL**
Work Class:	
Proposed Use:	ROOFCOMP
Permit Number:	08110062
Status:	CLOSED
Valuation:	$6,380.00
Contractor Company:	
Contractor Name:	ALPINE ROOFING

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

HOOPER RD

1048 HOOPER RD

Date:	**9/14/2017**
Permit Type:	**Residential Permit**
Description:	**RESIDENTIAL DEMOLITION: DEMOLITION OF TWO SITES - (1) EXISTING DILAPIDATED GARAGE (873 SQFT) (2) EXISTING DILAPIDATED RESIDENCE - 1038 HOOPER (588 SQFT) -**
Permit Description:	**DEMOLITION (DEM/R)**
Work Class:	
Proposed Use:	1 & 2 Family Residence
Permit Number:	BLD17-01497
Status:	Issued
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	

Date:	**11/30/2016**
Permit Type:	**SCR1/R**
Description:	**QUOTE: SEWER AND WATER CONNECTION 1" SFD**
Permit Description:	**SEWER CONNECTION R-1**
Work Class:	PLUMBING
Proposed Use:	
Permit Number:	16110231
Status:	OPEN
Valuation:	$4,500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**6/2/2010**
Permit Type:	**WC/R**
Description:	**1" WATER CONNECTION, SFD, CITY; REDUCED WATER CONNECTION FEE OF $3,070 TO BE FINANCED THROUGH SURCHARGE ON WATER BILL OF $17 PER MONTH OVER 20 YEARS. WELL TO BE RETAINED FOR IRRIGATION, DOUBLE CHECK VALVE TO BE INSTALLED ON WATER SERVICE. SERVICE IS INSTALLED PER DIANA LANGLEY.**
Permit Description:	**WATER CONNECTION - RESIDE**
Work Class:	
Proposed Use:	PLUM
Permit Number:	10060009
Status:	REJECT
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	

1092 HOOPER RD

Date:	**1/6/2015**
Permit Type:	**XEPUNDGRND**
Description:	**SEWER CONNECTION - 1092 HOOPER RD**
Permit Description:	**ENCROACHMENT PERMIT - UND**
Work Class:	ENCROACHMENT RESIDENTIAL
Proposed Use:	
Permit Number:	15010015
Status:	OPEN
Valuation:	$0.00
Contractor Company:	
Contractor Name:	NEWLAND ENTITIES

ADJOINING PROPERTY FINDINGS

Date:	**12/15/2014**
Permit Type:	**WC/R**
Description:	**1" WATER CONNECTION, SFD, CITY**
Permit Description:	**WATER CONNECTION - RESIDE**
Work Class:	PLUMBING
Proposed Use:	
Permit Number:	14120059
Status:	REJECT
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	

Date:	**10/22/2014**
Permit Type:	**XEPUNDGRND**
Description:	
Permit Description:	**ENCROACHMENT PERMIT - UND**
Work Class:	ENCROACHMENT RESIDENTIAL
Proposed Use:	
Permit Number:	14100129
Status:	OPEN
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**1/22/2014**
Permit Type:	**XEPUNDGRND**
Description:	**REMOVE/REPLACE EXIST GAS SERVICE. ROAD RESTORATION TO CENTERLINE (OUT OF WHEEL PATH). CONFIRM LIMITS WITH CITY INSPECTOR PRIOR TO EXCAVATION. PM #31047352**
Permit Description:	**ENCROACHMENT PERMIT - UND**
Work Class:	
Proposed Use:	XENCROACHR
Permit Number:	14010083
Status:	OPEN
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PACIFIC GAS AND ELECTRIC

C.O. Issued Date:	**4/2/2015**
Date:	**9/13/2013**
Permit Type:	**RESADD/R**
Description:	**2198 SQ. FT. ADDITION TO EXISTING 1592 SQ. FT. DWELLING (EXISTING AREA TO BE RE-BUILT AS WELL) FOR TOTAL 3790 SQ. FT. DWELLING WITH 4 CAR GARAGE (1240 SQ. FT.) (WATER FEES PAID ON PERMIT #14120059)**
Permit Description:	**RESIDENTIAL ADDITION**
Work Class:	
Proposed Use:	RESADD
Permit Number:	13050173
Status:	CLOSED
Valuation:	$356,487.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **5/15/2013**
Permit Type: **SCR1/R**
Description: **SEWER CONNECTION, SFD, CITY**

Permit Description: **SEWER CONNECTION R-1**
Work Class:
Proposed Use: PLUM
Permit Number: 13050087
Status: REJECT
Valuation: $4,500.00
Contractor Company:
Contractor Name:

Date: **11/3/2006**
Permit Type: **MEC/R**
Description: **Wood Stove**

Permit Description: **MECHANICAL - RESIDENTIAL**
Work Class:
Proposed Use:
Permit Number: 06110025
Status: O
Valuation: $744.00
Contractor Company:
Contractor Name:

C.O. Issued Date: **4/13/2005**
Date: **3/17/2005**
Permit Type: **ELS/R**
Description: **ELECTRICAL SERVICE UPGRADE**

Permit Description: **ELECTRICAL SERVICE-RESIDE**
Work Class:
Proposed Use: ELEC-R
Permit Number: 05030164
Status: CLOSED
Valuation: $0.00
Contractor Company:
Contractor Name: EXTREME ELECTRIC

ADJOINING PROPERTY FINDINGS

SAN GIMIGNANO DR

2752 SAN GIMIGNANO DR

C.O. Issued Date:	**6/22/2007**
Date:	**10/20/2005**
Permit Type:	**NR-SFD**
Description:	**SINGLE FAMILY DWELLING - MASTER PLAN 1653 SQ. FT. W/2 CAR GARAGE**
Permit Description:	**SINGLE FAMILY DWELLING**
Work Class:	
Proposed Use:	DWL2CAR
Permit Number:	05070100
Status:	CLOSED
Valuation:	$137,890.00
Contractor Company:	
Contractor Name:	

SAN NICCOLO DR

2755 SAN NICCOLO DR

Date:	**7/5/2018**
Permit Type:	**Residential Permit**
Description:	**HVAC Change Out**
Permit Description:	**HVAC, WALL FURNANCE, OR MECHANICAL**
Work Class:	HVAC (HVA/R)
Proposed Use:	1 & 2 Family Residence
Permit Number:	BLD18-01037
Status:	Issued
Valuation:	$6,200.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

C.O. Issued Date:	**9/14/2007**
Date:	**9/16/2005**
Permit Type:	**NR-SFD**
Description:	**SINGLE FAMILY DWELLING - MASTER PLAN 1653 SQ. FT. W/2 CAR GARAGE**
Permit Description:	**SINGLE FAMILY DWELLING**
Work Class:	
Proposed Use:	DWL2CAR
Permit Number:	05060387
Status:	CLOSED
Valuation:	$137,890.00
Contractor Company:	
Contractor Name:	

2756 SAN NICCOLO DR

Date:	**12/26/2007**
Permit Type:	**XEPABVGRND**
Description:	**Complete repairs to sidewalk**
Permit Description:	**ENCROACHMENT PERMIT - ABOVE GR**
Work Class:	
Proposed Use:	
Permit Number:	06090116
Status:	C
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

C.O. Issued Date:	**9/14/2007**
Date:	**7/28/2005**
Permit Type:	**NR-SFD**
Description:	**SINGLE FAMILY DWELLING - MASTER PLAN 1653 SQ. FT. W/2 CAR GARAGE**
Permit Description:	**SINGLE FAMILY DWELLING**
Work Class:	
Proposed Use:	DWL2CAR
Permit Number:	05070124
Status:	CLOSED
Valuation:	$137,890.00
Contractor Company:	
Contractor Name:	

2768 SAN NICCOLO DR

C.O. Issued Date:	**9/14/2007**
Date:	**7/28/2005**
Permit Type:	**NR-SFD**
Description:	**SINGLE FAMILY DWELLING - MASTER PLAN 1531 SQ. FT. W/2 CAR GARAGE**
Permit Description:	**SINGLE FAMILY DWELLING**
Work Class:	
Proposed Use:	DWL2CAR
Permit Number:	05070235
Status:	CLOSED
Valuation:	$125,942.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

2769 SAN NICCOLO DR

C.O. Issued Date:	**9/14/2007**
Date:	**9/16/2005**
Permit Type:	**NR-SFD**
Description:	**SINGLE FAMILY DWELLING - MASTER PLAN 1611 SQ. FT. W/2 CAR GARAGE**
Permit Description:	**SINGLE FAMILY DWELLING**
Work Class:	
Proposed Use:	DWL2CAR
Permit Number:	05060365
Status:	CLOSED
Valuation:	$133,864.00
Contractor Company:	
Contractor Name:	

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Henson Ranch Project
2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Yuba City, CA 95993

Inquiry Number: 6603319.5
August 03, 2021

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1988	☑	☐	POLK DIRECTORY CO
1984	☑	☐	POLK DIRECTORY CO
1979	☑	☐	POLK DIRECTORY CO
1974	☑	☐	POLK DIRECTORY CO
1969	☑	☐	POLK DIRECTORY CO
1964	☑	☐	POLK DIRECTORY CO
1960	☑	☐	POLK DIRECTORY CO

EXECUTIVE SUMMARY

Year	*Target Street*	*Cross Street*	*Source*

FINDINGS

TARGET PROPERTY STREET

2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Yuba City, CA 95993

Year	*CD Image*	*Source*	
COLUSA HWY			
2017	pg A1	EDR Digital Archive	
2014	pg A3	EDR Digital Archive	
2010	pg A5	EDR Digital Archive	
2005	pg A7	EDR Digital Archive	
2000	pg A9	EDR Digital Archive	
1995	pg A11	EDR Digital Archive	
1992	pg A13	EDR Digital Archive	
1988	pg A15	POLK DIRECTORY CO	
1988	pg A16	POLK DIRECTORY CO	
1984	pg A17	POLK DIRECTORY CO	
1984	pg A18	POLK DIRECTORY CO	
1979	pg A19	POLK DIRECTORY CO	
1974	pg A20	POLK DIRECTORY CO	
1969	pg 0	POLK DIRECTORY CO	Target and Adjoining not listed in Source
1964	pg 0	POLK DIRECTORY CO	Target and Adjoining not listed in Source
1960	pg 0	POLK DIRECTORY CO	Target and Adjoining not listed in Source
HOOPER RD			
2017	pg A2	EDR Digital Archive	
2014	pg A4	EDR Digital Archive	
2010	pg A6	EDR Digital Archive	
2005	pg A8	EDR Digital Archive	
2000	pg A10	EDR Digital Archive	
1995	pg A12	EDR Digital Archive	
1992	pg A14	EDR Digital Archive	
1988	pg 0	POLK DIRECTORY CO	Street not listed in Source
1984	pg 0	POLK DIRECTORY CO	Street not listed in Source

FINDINGS

Year	*CD Image*	*Source*	
1979	-	POLK DIRECTORY CO	Street not listed in Source
1974	-	POLK DIRECTORY CO	Street not listed in Source
1969	-	POLK DIRECTORY CO	Street not listed in Source
1964	-	POLK DIRECTORY CO	Street not listed in Source
1960	-	POLK DIRECTORY CO	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COLUSA HWY 2017

2201	NOTT, KAREN S
2225	CROSS, NORLEEN L
2363	DUNCAN, TODD
2387	JORDAN, WILBUR J
2455	CAPRINI, AMELIA A
2489	GARDNER, DAVID R
2530	HONDA YAMAHA SPORTS CENTER
2620	CALVARY CHRISTIAN CENTER
	FAITH CHRISTIAN SCHOOLS
2665	HENSON FARM DEHYDRATORS
	JONES, TED L
2689	HENSON, HENRY B
2700	ORCHARD MACHINERY CORP
2709	HENSON, DOC
2774	BARRETTS ROOFING
2775	GRAHAM, RUSSELL W
2800	AIRGAS
2803	BARNARD, KIMBERLY D
2819	REDMOND, JOHN E
2847	KINOSHITA, ANNA S
2859	DEXTER, TARA
2860	NELSON MFG CO INC
2879	SONNIER, RYAN E
2913	DOW LEWIS MOTORS
	DOW LEWIS MOTORS INC
2920	DERCO SUPPLY
	K ROBERTS ANTIQUES
2930	SCHOHR RANCHES
2947	DIESEL PROS TRUCK & TRAILER PARTS
	QA AUTO SALES
2950	HOLT OF CALIFORNIA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOOPER RD 2017

1070	ZABRISKIE, STERLING
1092	BATH, SAMINA R
1139	CHURCHILL, KEITH R
1212	MITCHELL, MICHAEL
1230	TERRELL, DALE K
1242	EVANS, CLIFFORD D
1263	BATH, ABDULLAH H
1283	BATH, ABDUL R
1293	LEDOUX, FALLON
1302	SHEPHERD OF THE VALLEY LUTHERAN CHUR
1309	UNDERWOOD, RANDALL M
1315	JOHAL, LAKHBIR S
1334	JINKERSON, JOSEPH T
1361	SANCHEZ, ROSIE
1364	HERNANDEZ, ONOFRE
1369	SEPULVEDA, FLORENTINO
1373	AGUILAR, DOMINGO E
1384	FALAS, BRYAN
1397	CUNNINGHAM, LARRY A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COLUSA HWY 2014

2201	NOTT, ROBIN G
2225	CROSS, NORLEEN R
2245	KARWAL, JOSEPH N
2363	DUNCAN, TODD
2387	JORDAN, WILBUR J
2419	OCCUPANT UNKNOWN,
2455	CAPRINI, AMELIA A
2489	GARDNER, DAVID R
2530	HONDA YAMAHA SPORTS CENTER
2620	CALVARY CHRISTIAN CENTER
	FAITH CHRISTIAN SCHOOL
2665	HENSON FARM DEHYDRATORS
	JONES, TED L
2689	HENSON, HENRY B
2700	ORCHARD MACHINERY CORP
2709	HENSON, DOC
2740	ASLAM, MOHAMMAD
2774	ALPINE ROOFING
2775	GRAHAM, LOIS M
2800	AIRGAS
2803	OWNBEY, BILL J
2819	REDMOND, JOHN E
2847	KINOSHITA, ANNA S
2859	DEXTER, TARA
2860	NELSON MFG CO INC
2879	NICKEL, DEWAYNE T
2913	DOW LEWIS MOTORS
	NISSAN DOW LEWIS MOTORS INC
2920	DERCO SUPPLY
	NEW LEGEND INC
2930	SCHOHR RANCHES
2947	FRAZEE PAINT YUBA CITY
	QAAUTO SALES
2950	CAT RENTAL STOREHOLT OF CALIFORNIA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOOPER RD 2014

1020	HEPWORTH, RALPH E
1048	OCCUPANT UNKNOWN,
1092	BATHA, MOHAMMAD R
1139	CHURCHILL, KEITH R
1221	OCCUPANT UNKNOWN,
1230	TERRELL, DALE K
1242	EVANS, CLIFFORD
1263	OCCUPANT UNKNOWN,
1283	BATH, MOHAMMAD A
1293	JAMES, BUMPUS
1302	SHEPHERD OF THE VALLEY LUTHERAN CHUR
1309	UNDERWOOD, RANDALL M
1315	JOHAL, LAKHBIR S
1334	OCCUPANT UNKNOWN,
1361	GARCIA, ARTURO E
1364	HERNANDEZ, ONOFRE
1369	SEPULVEDA, FLORENTINO
1373	AGUILAR, DOMINGO E
1374	OCCUPANT UNKNOWN,
1378	RAMIREZ, MARYANN
1384	SALAS, BRYAN
1397	CUNNINGHAM, LARRY A
1398	ANDRE, ROGER L

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COLUSA HWY 2010

2201	NOTT, KAREN S
2225	CROSS, ROBERT L
2245	KARWAL, JOSEPH N
2363	WIDEMAN, JILLIAN
2387	JORDAN, WILBUR J
2419	COLUSA, ROCA
2455	CAPRINI, AMELIA A
2489	MCVEY, LEONARD E
2530	YAMAHA SPORTS CTR
2620	CALVARY CHRISTIAN CTR
	KIDZ TOWN PRESCHOOL CTR
	LIBERTY CHRISTIAN CTR
2665	JONES, TED L
	SHORT, JERRY L
2689	HENSON FARM DEHYDRATORS
	HENSON, LEONARD A
2700	ORCHARD MACHINERY CORP
2709	HENSON, DOC
2740	AKHTAR, RASHIDA D
2774	PETER, MICHAEL
2775	OWNBEY, BILL J
2800	AIRGAS NORTHERN CA & NEVADA
2803	BARNARD, RORY K
2819	REDMOND, JOHN E
2847	KINOSHITA, ANNA S
2859	SASAKI, KIKUE
2860	NELSON MANUFACTURING CO
2879	NICKEL, DEWAYNE T
2913	DOW LEWIS MOTORS INC
	LEWIS DOW NISSAN
2920	DERCO SUPPLY
2947	Q A AUTO SALES
2950	HOLT OF CALIFORNIA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOOPER RD 2010

1020	HEPWORTH, RALPH E
1048	OCCUPANT UNKNOWN,
1070	JOHNSON, BRENDA
1092	STACHON, MONIKA E
1139	CHURCHILL, KEITH R
1212	POSTON, JOY
1220	WHITEHEAD, ROYCE D
1221	OCCUPANT UNKNOWN,
1230	TERRELL, DALE K
1242	EVANS, CLIFFORD
1263	OCCUPANT UNKNOWN,
1283	OCCUPANT UNKNOWN,
1293	CURNUTTE, KATHY
	JAMES, BUMPUS
1302	SHEPHERD OF THE VALLEY CHURCH
	VALLEY CHRISTIAN ACADEMY
1309	UNDERWOOD, RANDALL M
1315	JOHAL, HARJIT K
1334	OCCUPANT UNKNOWN,
1361	GARCIA, ARTURO E
1364	TORRES, LAURA A
1369	OCCUPANT UNKNOWN,
1373	AGUILAR, DOMINGO E
1374	OCCUPANT UNKNOWN,
1378	RAMIREZ, MARYANN
1384	BETTENCOURT, DENNIS V
1397	OCCUPANT UNKNOWN,
1398	BRAMBILA, ELINA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COLUSA HWY 2005

2201	WYNN, EDWARD W
2225	CROSS, ROBERT L
2245	KARWAL, JOSEPH N
2363	DUNCAN, JAMES T
2387	OCCUPANT UNKNOWN,
2419	FERGUSON, STACY
2455	CAPRINI, AMELIA
2489	MCVEY, LEONARD E
2530	YAMAHA SPORTS CENTER
2620	CALVARY TEMPLE ASSEMBLY OF GOD
2665	HENSON FARM INC
	HENSON, LLOYD W
2689	HENSON FARMS ALMOND PRCSSRS
	HENSON, LEONARD A
2700	ORCHARD MACHINERY CORP
2709	HENSON, DOC
2740	AKHTAR, RASHIDA
2774	HERNANDEZ, S
2775	OCCUPANT UNKNOWN,
2800	AIRGAS NCN
2803	OWNBEY, BILL J
2819	REDMOND, JOHN E
2847	OCCUPANT UNKNOWN,
2859	SASAKI, KIKUE
2860	NELSON MFG CO INC
2879	NICKEL, DEWAYNE V
2900	AIRGAS NORTHERN CAL & NEV
2913	DOW LEWIS MOTORS INC
2920	OCCUPANT UNKNOWN,
	REEBIES GRAPHICS CO
2947	JEFFS PAINT CENTER
	OCCUPANT UNKNOWN,
2950	HOLT OF CALIFORNIA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOOPER RD 2005

1020 HEPWORTH, RALPH E
1038 OCCUPANT UNKNOWN,
1048 STOVER, ROBER L
1092 STACHON, MONIKA E
1139 CHURCHILL, KEITH R
1150 OCCUPANT UNKNOWN,
1212 POSTON, JOY
1221 BECERRA, CIRILO
1230 WHITEHEAD, ROYCE D
1263 OCCUPANT UNKNOWN,
1293 CURNUTTE, KATHY
1302 OCCUPANT UNKNOWN,
SHEPHERD OF THE VALLEY LUTHERAN CHUR
1309 RANDY UNDERWOOD CONSTRUCTION
UNDERWOOD, RANDALL M
1315 JOHAL, LAKHBIR S
1334 HIGGINS, KAREN
1361 GARCIA, ARTURO E
1364 TORRES, LAURA A
1369 OCCUPANT UNKNOWN,
1373 AGUILAR, DOMINGO E
1374 MATA, JUAN C
1382 CAPRINI, JIM
1384 OCCUPANT UNKNOWN,
1397 OCCUPANT UNKNOWN,
1398 SWARTZ, STEVEN D

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COLUSA HWY 2000

2201	HILE, DOUGLAS J
2245	OCCUPANT UNKNOWN,
2363	OCCUPANT UNKNOWN,
2387	JORDAN, WILBUR J
2419	MADISON, LINDA L
2489	OCCUPANT UNKNOWN,
2530	YAMAHA SPORTS CENTER
2620	CALVARY TEMPLE ASSEMBLY OF GOD
	FAITH CHRISTIAN SCHOOLS ELEMENTARY
2665	HENSON FARM DEHYDRATORS
	HENSON, LLOYD W
2689	OCCUPANT UNKNOWN,
2700	MCCRILL, KENNETH L
	ORCHARD MACHINERY CORPORATION
2709	HENSON, DOC
2740	TUFAIL, MOHAMME
2774	CLARK, D
2775	OCCUPANT UNKNOWN,
2800	DOW LEWIS NISSAN
	NISSANDOW LEWIS MOTORS
2803	OWNBEY, BILL J
2819	REDMOND, JOHN E
2847	OCCUPANT UNKNOWN,
2859	OCCUPANT UNKNOWN,
2860	NELSON MANUFACTURING COMPANY INCORPORATED
2879	NICKEL, DE W
2913	DOW LEWIS MOTORS INCORPORATED
	OCCUPANT UNKNOWN,
2920	DERCO SUPPLY
	REEBIES GRAPHICS COMPANY
2930	OCCUPANT UNKNOWN,
2947	AMERICAN TELECASTING INCORPORATED WAN TV
	COLUSA HIGHWAY RV STORAGE
	CORLIN PAINT
	JEFFS PAINT CENTER
	ROPER TRAILER SALES & AUTO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOOPER RD 2000

1038 OCCUPANT UNKNOWN,
1048 OCCUPANT UNKNOWN,
1070 SWINVER, A
1092 ASEDO, ANNA
1139 CHURCHILL, KEITH
1150 BAILEY, BONNIE
1221 OCCUPANT UNKNOWN,
1230 OCCUPANT UNKNOWN,
1242 OCCUPANT UNKNOWN,
1263 OCCUPANT UNKNOWN,
1293 MITCHELL, JOHN W
1302 OCCUPANT UNKNOWN,
SHEPHERD OF THE VALLEY LUTHERAN CHURCH TAALC
1309 UNDERWOOD, RANDY
1315 JOHAL, LAKHBIR S
1334 GROSS, RAYMOND L
1361 OCCUPANT UNKNOWN,
1364 RAMIREZ, MARIA D
1373 AGUILAR, DOMINGO
1374 JOHNSTON, SEAN D
1384 DEHART, CARI E
1398 DOBIAS, DAVID A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COLUSA HWY 1995

2201	RHODD, LOUIS
2245	OCCUPANT UNKNOWNN
2419	OCCUPANT UNKNOWNN
2455	CAPRINI, ANGELO
2489	SHIPPEN, LEONARD D
2530	YAMAHA SPORTS CTR
2620	CALVARY TEMPLE ASSEMBLY OF GOD
	FAITH CHRISTIAN SCHOOLS
	ZAPPY DIAL A STORY
2665	HENSON, LLOYD W
2689	HENSON, LEONARD A
2700	ORCHARD MACHINERY CORP
2709	HENSON, W L
2740	ALI, CHAUDRY S
	MURTAZA, IRFAN
2774	OCCUPANT UNKNOWNN
2800	AIRCO GAS & GEAR CO
2803	OWNBEY, BILL J
2819	REDMOND, JOHN E
2847	OCCUPANT UNKNOWNN
2859	OCCUPANT UNKNOWNN
2860	NELSON MANUFACTURING CO
2879	NICKEL, DEWAYNE
2913	REYNOLDS, CAROL L
2920	DERCO SUPPLY
	REEBIES BUSINESS PRODUCTS
2930	SCHOHR, DOUGLAS B
2947	CAL NOVA
	COLUSA HIGHWAY RV STORAGE
	ROPER TRAILER SALES & AUTO
	SUTTER BUTTES GLASS TINTING
2950	TENCO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOOPER RD 1995

1038	ELLWANGER, MAMIE A
	SHELL, J L
1048	OCCUPANT UNKNOWNN
1070	SWINYER, ANN
1139	CHURCHILL, KEITH
1230	HUBBARD, GENE W
1242	OCCUPANT UNKNOWNN
1263	ARNOLDY, GERALD M
1293	OCCUPANT UNKNOWNN
1302	OCCUPANT UNKNOWNN
	SHEPHERD OF THE VALLEY
1309	UNDERWOOD, RANDY
1315	JOHAL, LAKHBIR S
1334	GROSS, RAYMOND L
1361	GARCIA, ARTURO
1364	RAMIREZ, JOSE A
1369	SANCHEZ, H
1373	GARCIA, ANTONIA
1382	CAPRINI, JIM
1384	RAMIREZ, ADELINA
1397	OCCUPANT UNKNOWNN
1398	OCCUPANT UNKNOWNN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

COLUSA HWY 1992

2201 MATULICH, ANTHONY
2419 BOND, EDWARD N SR
2489 SHIPPEN, LEONARD D
2530 YAMAHA SPORTS CNTR
2620 CALVARY TMPL ASMBLY
FAITH CHRSTN SC ELM
ZAPPY DIAL A STORY
2689 HENSON, LEONARD A
2700 ORCHARD MACHINERY
2709 HENSON, W L
2740 MURTAZA, IRFAN
WAHLA, A
2800 AIRCO
2803 OWNBEY, BILL J
2819 REDMOND, JOHN E
2847 KINOSHITA, RICHARD
2859 SASAKI, K
2860 NELSON MFG CO INC
2879 NICKEL, DEWAYNE
2920 KEYSTONE BATTERIES
REEBIES BUSNS PRDCT
2947 ROPER TRAILER SALES
2950 TENCO TRACTOR

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HOOPER RD 1992

1038	ELLWANGER, MAMIE A
1048	SHELL, V
1070	SWINYER, ANN
1139	CHURCHILL, KEITH R
1302	JEREMIAH, TED
	SHEPHERD OF VLY CH
1315	JOHAL, LAKHBIR S
1334	GROSS, RAYMOND L
1361	GARCIA, ARTURO
1364	RAMIREZ, JOSE A
1382	CAPRINI, JIM
1398	CALDWELL, KYLE

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

COLUSA HWY 1988

COLUSA HWY (YUBA CITY)–FROM 886 COLUSA AV WEST

ZIP CODE 75991
ONSTOTT RD INTERSECTS

1528 Vacant
1529 Canned Food Grocery Outlet 674-5231
1549 Valley Truck & Tractor-John-Deere 673-8283
1560 Morgan Tile Company 673-0472
1615 Vacant
1631 Pool Patio Store The swimming pools & supplies 671-1013
Cake Corner The 673-7118
1641 Valley Contractors Exchange business trade organization 674-2030
Clark Avenue Nursery Inc plants 674-5530
Rock Yard The 671-7625
1721 Yuba City Scrap & Steel mtl 673-9442
1781 Vacant
2078 Montna Larry Equipment reprs 674-7030
2620 Calvary Temple Assembly Of God 673-6035
Faith Christian School 674-3922
2700 Orchard Machinery Corporation 673-2822
2740★Dawinder Kashmer ◎
2774 Crane Art ◎ 673-5407

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

COLUSA HWY 1988

COLUSA HWY (YC)–Contd

2800 Griffith Implement Company Inc dlr 674-2800
2860 Nelson Manufacturing Company farm equip 673-0919
2950 Vacant
3026 Classic Deli & Meats 671-4395
3056 Rent Me Inc construction rental & sls 674-7691
3076 American Pump & Irrigation 674-3233
3101 First United Methodist Church church 673-5858
3105 Faith Christian High School 674-5474

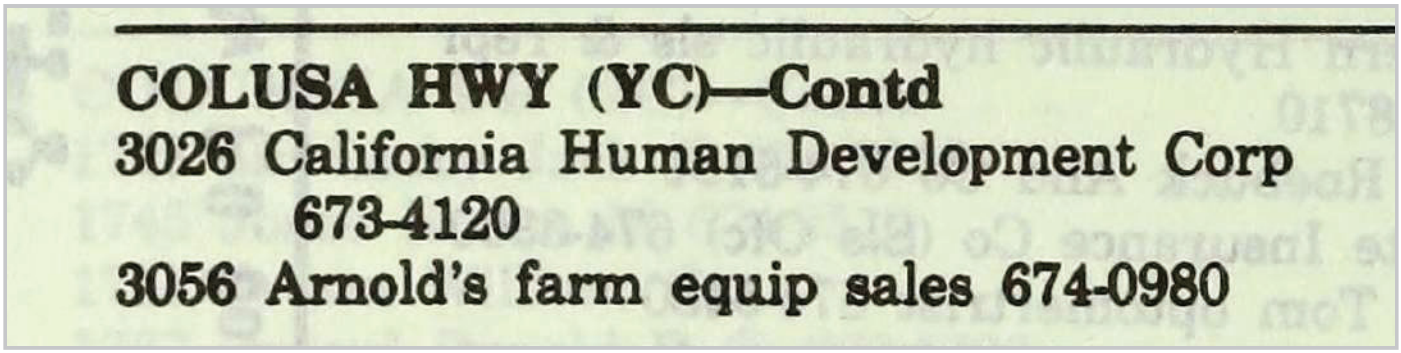
Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

COLUSA HWY 1984

1501 Halldorson Appliance & Discount Video retail sls 671-9533
1528 Good Health Medical Weight Loss Center 674-4215
1529 Canned Foods Warehouse gro 674-5231
1549 Valley Truck & Tractor Co 673-8283
1560 Morgan Tire Co 673-0472
1615 Molly D's Coffee Shop 673-9785
1631 Arlene's Produce Warehouse fruit & vegetables whol 674-3600
1641 Valley Contractors Exchange business trade organization 671-2460
1721 Yuba City Scrap & Steel mtl 673-9442
1781 Vacant
2078 Montna Larry Equipment reprs 674-7030
2620 Calvary Temple Assembly Of God 673-6035
Faith Christian School 674-3922
2700 Orchard Machinery Corp 673-2822
2740★Dean Mukhtar M 673-5105
2774 Crane Art ◎ 673-5407
2800 Griffith Implement Co Inc dlr 674-2800
2860 Nelson N Manufacturing Co Inc farm equip 673-0919
2950 R & K Corral used car sls 674-8680

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

COLUSA HWY 1984



COLUSA HWY (YC)—Contd
3026 California Human Development Corp
673-4120
3056 Arnold's farm equip sales 674-0980

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

COLUSA HWY 1979

1528 Swanson Feed Inc 673-9001
1529 Canned Foods Whse 674-5231
1549 Valley Truck & Tractor Co 673-8283
1560 Morgan Tire Co 673-0472
1615 West Park Pizza 673-9785
1631 Green Stamps Redemption Center 673-1370
1641 Simmons C M Constn Co Inc 674-0305
1721 Yuba City Scrap & Steel mtl 673-9442
1781 H & B Machinery Inc mfrs 673-3328
2620 Calvary Temple Assembly Of God 673-6035
2700 Orchard Machinery Corp 673-2822
2740 Dean Mukhtar Mohammed
2774 Crane Art 673-5407
2800 Griffith Implement Co Inc dlr 674-2800
2860 Nelson N Manufacturing Co Inc farm equip 673-0919

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

COLUSA HWY 1974

COLUSA HWY (YC)—Contd

1528 Texaco Inc 673-9117

1529 Big R Ranch Wholesale Supply agrl impls & ranch sups 673-8182

1549 Valley Truck & Tractor Co 673-8283

1560 Morgan Tire Co 683-0472

1565 Sutter Farm Chemicals fertilizer spreading 673-8111

1615 Alibi The tavern 673-9785

1641 Swanson's Mill feed 673-9001
Davis Charles M ◎ 673-9001

1661 Stephens Clarence L ◎ 673-9763

1721 Yuba City Scrap & Steel mtl 673-9442

1781 H & B Machinery Co Inc mfrs 673-3328

2700 Orchard Machinery Corp 673-2822

2740 Dean Mukhtar Mohammed

2774 Vacant

2800 Griffith Implement Co Inc dlr 674-2800

Henson Ranch Project
2689, 2665, 2689 Colusa Hwy, 1139 Hooper Rd
Yuba City, CA 95993

Inquiry Number: 6603319.6
August 03, 2021

The EDR Property Tax Map Report

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Appendix B

Environmental Noise Assessment For Brownstone Estates

August 13, 2024.

and

Environmental Noise Assessment for Hooper Venture Apartments

August 12, 2022.

Both prepared by Saxelby Acoustics LLC

Environmental Noise Assessment

Brownstone Estates

City of Yuba City, California

August 13, 2024

Project #240708

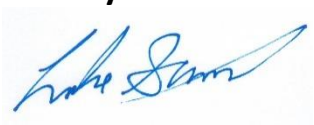
Prepared for:

R72 Capital

11700 Preston Road, Suite 660 #638
Dallas, TX 75230

Prepared by:

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Roseville, CA 95678

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INTRODUCTION

The Brownstone Estates project is located in the City of Yuba City, California. The project includes the construction of 54 single family home lots. The project will be bordered by commercial and industrial space to the south, residential land use to the west, east and north, and SR-20 directly to the south.

Figure 1 shows the project site plan. **Figure 2** shows an aerial photo of the project site and noise measurement locations.

ENVIRONMENTAL SETTING

BACKGROUND INFORMATION ON NOISE

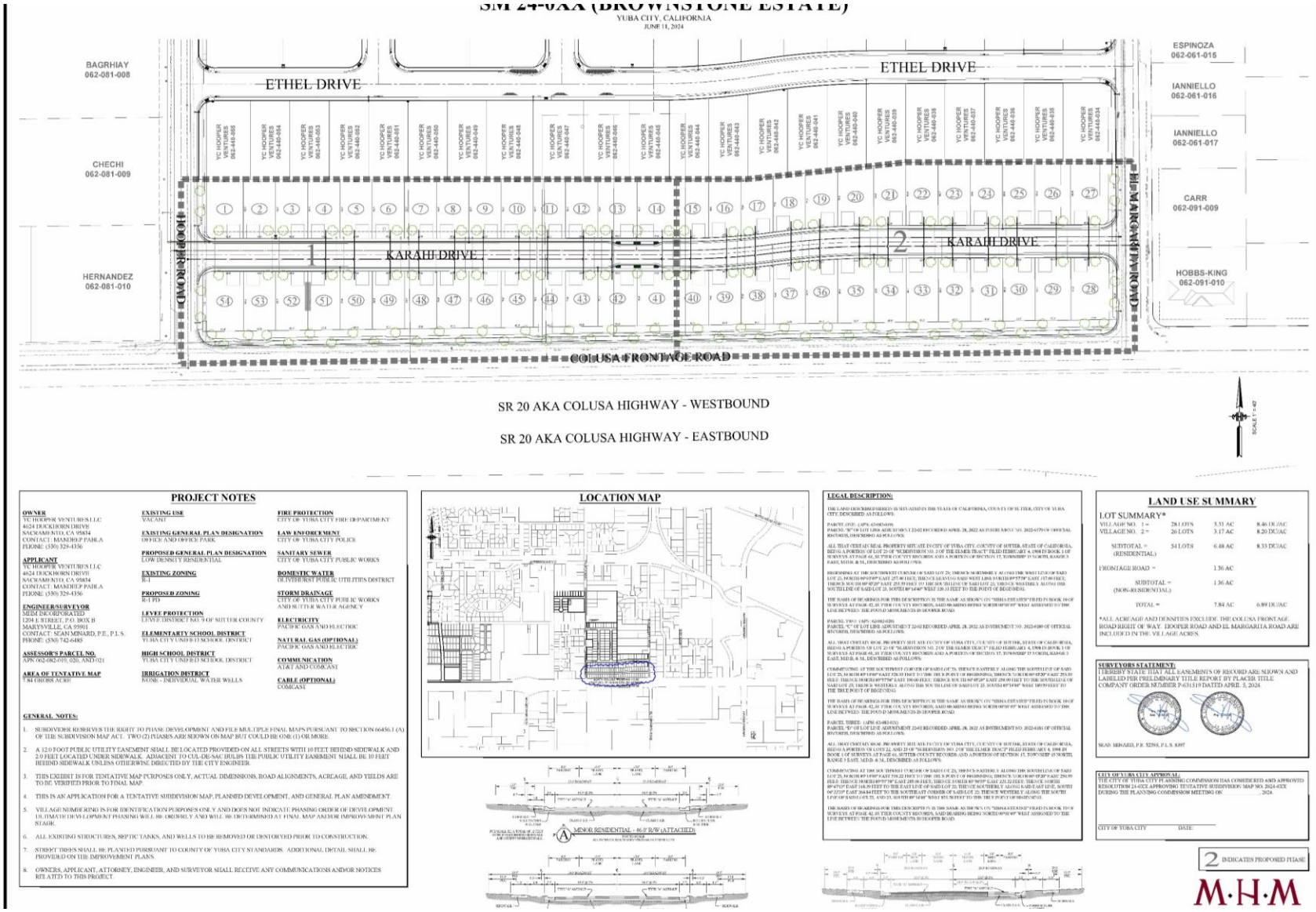
Fundamentals of Acoustics

Acoustics is the science of sound. Sound may be thought of as mechanical energy of a vibrating object transmitted by pressure waves through a medium to human (or animal) ears. If the pressure variations occur frequently enough (at least 20 times per second), then they can be heard and are called sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second or Hertz (Hz).

Noise is a subjective reaction to different types of sounds. Noise is typically defined as (airborne) sound that is loud, unpleasant, unexpected or undesired, and may therefore be classified as a more specific group of sounds. Perceptions of sound and noise are highly subjective from person to person.

Measuring sound directly in terms of pressure would require a very large and awkward range of numbers. To avoid this, the decibel scale was devised. The decibel scale uses the hearing threshold (20 micropascals), as a point of reference, defined as 0 dB. Other sound pressures are then compared to this reference pressure, and the logarithm is taken to keep the numbers in a practical range. The decibel scale allows a million-fold increase in pressure to be expressed as 120 dB, and changes in levels (dB) correspond closely to human perception of relative loudness.

The perceived loudness of sounds is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable, and can be approximated by A-weighted sound levels. There is a strong correlation between A-weighted sound levels (expressed as dBA) and the way the human ear perceives sound. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment.



Brownstone Estates

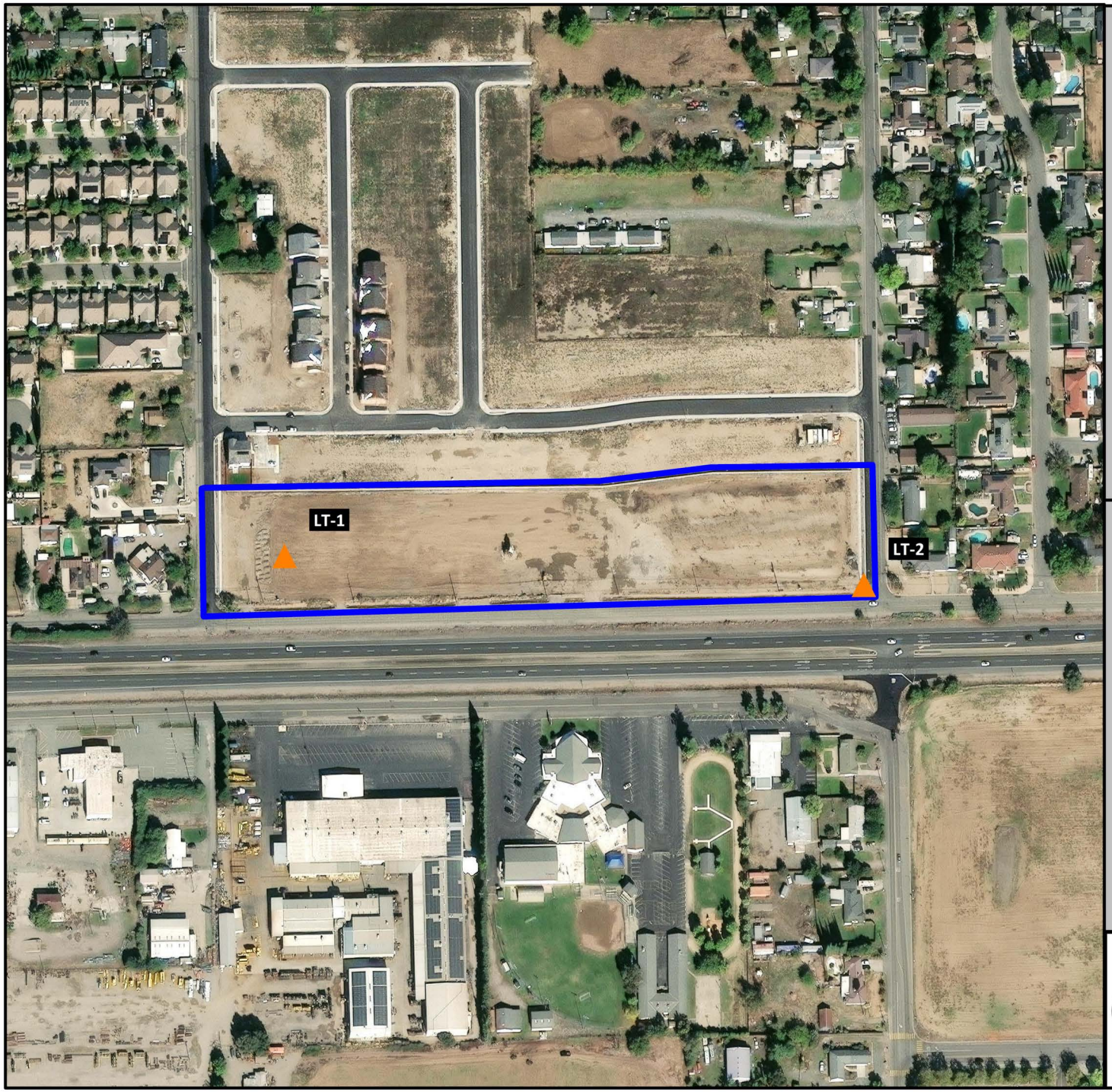
City of Yuba City, California

Figure 1

Project Site Plan



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Brownstone Estates

City of Yuba City, California

Figure 2

Noise Measurement Sites

Legend

Project Site

Noise Measurement Site - Long Term

0 ft 250 ft 500 ft

Projection: UTM Zone 10 / GOOGLE / meters
Rev. Date: 08/13/2024

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The decibel scale is logarithmic, not linear. In other words, two sound levels 10-dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic decibel is A-weighted, an increase of 10-dBA is generally perceived as a doubling in loudness. For example, a 70-dBA sound is half as loud as an 80-dBA sound, and twice as loud as a 60 dBA sound.

Community noise is commonly described in terms of the ambient noise level, which is defined as the all-encompassing noise level associated with a given environment. A common statistical tool is the average, or equivalent, sound level (L_{eq}), which corresponds to a steady-state A weighted sound level containing the same total energy as a time varying signal over a given time period (usually one hour). The L_{eq} is the foundation of the composite noise descriptor, L_{dn}, and shows very good correlation with community response to noise.

The day/night average level (DNL or L_{dn}) is based upon the average noise level over a 24-hour day, with a +10-decibel weighing applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. The nighttime penalty is based upon the assumption that people react to nighttime noise exposures as though they were twice as loud as daytime exposures. Because L_{dn} represents a 24-hour average, it tends to disguise short-term variations in the noise environment.

Table 1 lists several examples of the noise levels associated with common situations. **Appendix A** provides a summary of acoustical terms used in this report.

TABLE 1: TYPICAL NOISE LEVELS

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	--110--	Rock Band
Jet Fly-over at 300 m (1,000 ft.)	--100--	
Gas Lawn Mower at 1 m (3 ft.)	--90--	
Diesel Truck at 15 m (50 ft.), at 80 km/hr. (50 mph)	--80--	Food Blender at 1 m (3 ft.) Garbage Disposal at 1 m (3 ft.)
Noisy Urban Area, Daytime Gas Lawn Mower, 30 m (100 ft.)	--70--	Vacuum Cleaner at 3 m (10 ft.)
Commercial Area Heavy Traffic at 90 m (300 ft.)	--60--	Normal Speech at 1 m (3 ft.)
Quiet Urban Daytime	--50--	Large Business Office Dishwasher in Next Room
Quiet Urban Nighttime	--40--	Theater, Large Conference Room (Background)
Quiet Suburban Nighttime	--30--	Library
Quiet Rural Nighttime	--20--	Bedroom at Night, Concert Hall (Background)
	--10--	Broadcast/Recording Studio
Lowest Threshold of Human Hearing	--0--	Lowest Threshold of Human Hearing

Source: *Caltrans, Technical Noise Supplement, Traffic Noise Analysis Protocol. September 2013.*

Effects of Noise on People

The effects of noise on people can be placed in three categories:

- Subjective effects of annoyance, nuisance, and dissatisfaction
- Interference with activities such as speech, sleep, and learning
- Physiological effects such as hearing loss or sudden startling

Environmental noise typically produces effects in the first two categories. Workers in industrial plants can experience noise in the last category. There is no completely satisfactory way to measure the subjective effects of noise or the corresponding reactions of annoyance and dissatisfaction. A wide variation in individual thresholds of annoyance exists and different tolerances to noise tend to develop based on an individual's past experiences with noise.

Thus, an important way of predicting a human reaction to a new noise environment is the way it compares to the existing environment to which one has adapted: the so-called ambient noise level. In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will be judged by those hearing it.

With regard to increases in A-weighted noise level, the following relationships occur:

- Except in carefully controlled laboratory experiments, a change of 1-dBA cannot be perceived;
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference;
- A change in level of at least 5-dBA is required before any noticeable change in human response would be expected; and
- A 10-dBA change is subjectively heard as approximately a doubling in loudness, and can cause an adverse response.

Stationary point sources of noise – including stationary mobile sources such as idling vehicles – attenuate (lessen) at a rate of approximately 6-dB per doubling of distance from the source, depending on environmental conditions (i.e. atmospheric conditions and either vegetative or manufactured noise barriers, etc.). Widely distributed noises, such as a large industrial facility spread over many acres, or a street with moving vehicles, would typically attenuate at a lower rate.

EXISTING NOISE AND VIBRATION ENVIRONMENTS

EXISTING GENERAL AMBIENT NOISE LEVELS

To quantify the existing ambient noise environment in the project vicinity, Saxelby Acoustics conducted two continuous (24-hr.) noise level measurement on the project site. A summary of the noise level measurement survey results is provided in **Table 2**. **Appendix B** contains the complete results of the noise monitoring.

The sound level meters were programmed to record the maximum, median, and average noise levels at each site during the survey. The maximum value, denoted L_{max}, represents the highest noise level measured. The average value, denoted L_{eq}, represents the energy average of all of the noise received by the sound level meter microphone during the monitoring period. The median value, denoted L_{50}, represents the sound level exceeded 50 percent of the time during the monitoring period.

Larson Davis Laboratories (LDL) model 820 precision integrating sound level meters were used for the ambient noise level measurement survey. The meters were calibrated before and after use with a CAL 200 acoustical calibrator to ensure the accuracy of the measurements. The equipment used meets all pertinent specifications of the American National Standards Institute for Type 1 sound level meters (ANSI S1.4).

TABLE 2: SUMMARY OF EXISTING BACKGROUND NOISE MEASUREMENT DATA

Location	Date	L_{dn}	Daytime L_{eq}	Daytime L_{50}	Daytime L_{max}	Nighttime L_{eq}	Nighttime L_{50}	Nighttime L_{max}
LT-1: 205 ft. to CL of SR-20.	7/6/2022 to 7/7/2022	66	63	60	81	58	50	78
LT-2: 120 ft. to CL of SR-20.	7/6/2022 to 7/7/2022	70	67	63	88	62	54	82

Notes:

- *All values shown in dBA*
- *Daytime hours: 7:00 a.m. to 10:00 p.m.*
- *Nighttime Hours: 10:00 p.m. to 7:00 a.m.*
- *Source: Saxelby Acoustics 2022*

EVALUATION OF FUTURE TRANSPORTATION NOISE ON PROJECT SITE

Saxelby Acoustics used the SoundPLAN noise model to calculate traffic noise levels at the proposed residential uses due to traffic on SR-20. Inputs to the SoundPLAN noise model include topography, existing structures, roadway elevations, and the proposed building pad elevations. It was estimated that existing noise levels would increase by +1 dBA based upon an assumed 1% per year increase in traffic volumes on SR-20. The results of this analysis are shown graphically on **Figure 3**.



Brownstone Estates

City of Yuba City, California

Figure 3

Future Transportation Noise Contours
Ldn, dB(A)

Noise Level, dB(A)

70 < <= 75
75 < <= 80
80 < <= 85
85 <

Legend

- Existing Building
- Project Site
- Proposed 6-foot Sound Wall
- Project Building

Scale 1:235

0 45 90 180 270 360 feet

N

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REGULATORY CONTEXT

FEDERAL

There are no federal regulations related to noise that apply to the Proposed Project.

STATE

There are no state regulations related to noise that apply to the Proposed Project.

LOCAL

City of Yuba City General Plan Noise Element

Implementing Policies

9.1-I-1. Use the "normally acceptable" noise levels for new land uses as established in Figure 9-4 (**Table 3 below)** (Land Use Compatibility for Community Noise Environments) as review criteria.

9.1-I-2. Require a noise study and mitigation for all projects that have noise exposure greater than "normally acceptable" levels. Noise mitigation measures include, but are not limited to, the following actions:

- Screen and control noise sources, such as parking and loading facilities, outdoor activities and mechanical equipment,
- Increase setbacks for noise sources from adjacent dwellings,
- Retain fences, walls, and landscaping that serve as noise buffers,
- Use soundproofing materials and double-glazed windows, and
- Control hours of operation, including deliveries and trash pickup, to minimize noise impacts.

Proposed development can introduce potential noise sources, even when it is compatible with existing adjacent uses. An example is the handling of large trash bins for multi-family housing. If noise exposure is greater than levels considered normally acceptable, some form of noise mitigation will have to be incorporated, to the extent practicable, unless the impacts are found to be less than significant. The mitigation can be conventional insulation features or techniques that require more complex building or equipment design and site layout. Site design and/or screening techniques can help mitigate the resulting noise. Open space, building orientation and design, and landscaping can be used to buffer or mask sound.

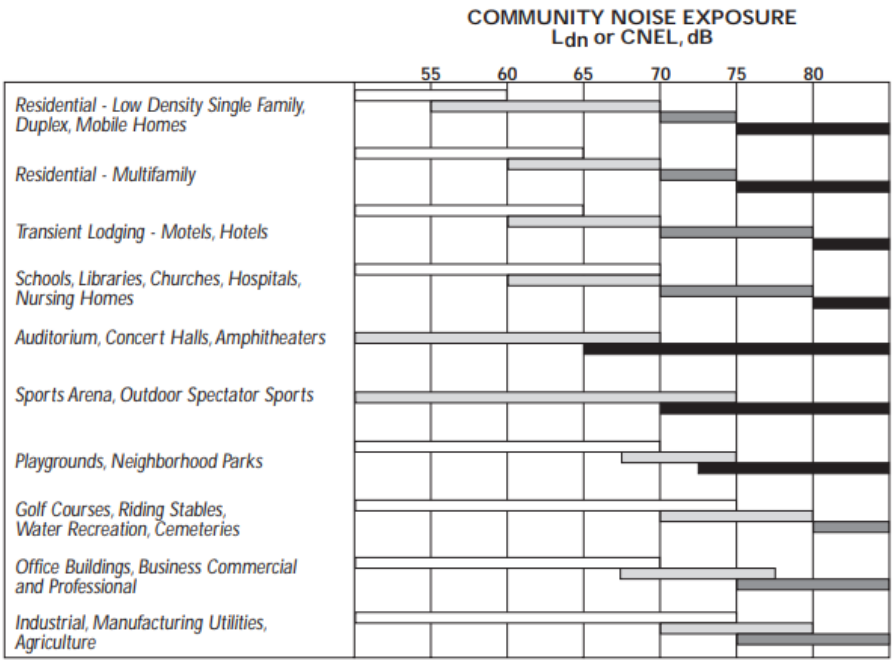
9.1-I-3. In making a determination of impact under the California Environmental Quality Act (CEQA), consider an increase of four or more dBA to be "significant" if the resulting noise level would exceed that described as normally acceptable for the affected land use in **Table 3**.

9.1-I-4. Protect especially sensitive uses, including schools, hospitals, and senior care facilities, from excessive noise, by enforcing "normally acceptable" noise level standards for these uses.

City of Yuba City Municipal Code

Title 4, Chapter 17, Section 4-17.10(e) of the Yuba City Municipal Code prohibits the operation of noise-generating construction equipment before 6:00 a.m. or after 9:00 p.m. daily, except Sunday and State or federal holidays when the prohibited time is before 8:00 a.m. and after 9:00 p.m.

TABLE 3: LAND USE COMPATIBILITY FOR COMMUNITY NOISE ENVIRONMENT



INTERPRETATION:

NORMALLY ACCEPTABLE
Specified land use is satisfactory, based upon the assumption that any building involved is of normal conventional construction, without any special noise insulation requirements.

CONDITIONALLY ACCEPTABLE
New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.

NORMALLY UNACCEPTABLE
New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

CLEARLY UNACCEPTABLE
New construction or development should generally not be undertaken.

SOURCE: California Governor's Office of Planning and Research, 1990.

TRANSPORTATION NOISE ON PROJECT SITE

EXTERIOR TRANSPORTATION NOISE

As shown on **Figure 3**, several of the proposed outdoor activity areas are predicted to be exposed to exterior transportation noise levels up to approximately 67 dBA L_{dn}. This would be considered "Conditionally Acceptable" (60 dBA L_{dn} to 70 dBA L_{dn}) under the Yuba City General Plan Land Use Compatibility Table (**Table 3**). Therefore, no additional exterior noise control measures would be required.

INTERIOR TRANSPORTATION NOISE

Modern building construction methods typically yield an exterior-to-interior noise level reduction of 25 dBA[1]. Therefore, where exterior noise levels are 70 dBA L_{dn}, or less, no additional interior noise control measures are typically required. For this project, exterior noise levels are predicted to be up to 70 dBA L_{dn} at the second floor of the buildings closest to SR-20. This would result in interior noise levels of up to 45 dBA L_{dn} at the second story receivers based on typical building construction. Per the City of Yuba City General Plan, where new developments are considered "Conditionally Acceptable" typical building construction methods will suffice. Saxelby Acoustics concurs with this statement based on the analysis above. Therefore, no additional noise control measures are required to reduce interior noise to acceptable levels.

CONCLUSIONS

The proposed project is predicted to comply with the City of Yuba City noise level standards with no additional noise control measures.

[1] Assuming standard construction with a minimum STC rating of 29 for exterior window assemblies

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Appendix A: Acoustical Terminology

Acoustics	The science of sound.
Ambient Noise	The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.
ASTC	Apparent Sound Transmission Class. Similar to STC but includes sound from flanking paths and correct for room reverberation. A larger number means more attenuation. The scale, like the decibel scale for sound, is logarithmic.
Attenuation	The reduction of an acoustic signal.
A-Weighting	A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.
Decibel or dB	Fundamental unit of sound, A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.
CNEL	Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by +5 dBA and nighttime hours weighted by +10 dBA.
DNL	See definition of Ldn.
IIC	Impact Insulation Class. An integer-number rating of how well a building floor attenuates impact sounds, such as footsteps. A larger number means more attenuation. The scale, like the decibel scale for sound, is logarithmic.
Frequency	The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz (Hz).
Ldn	Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.
Leq	Equivalent or energy-averaged sound level.
Lmax	The highest root-mean-square (RMS) sound level measured over a given period of time.
L(n)	The sound level exceeded a described percentile over a measurement period. For instance, an hourly L50 is the sound level exceeded 50% of the time during the one-hour period.
Loudness	A subjective term for the sensation of the magnitude of sound.
NIC	Noise Isolation Class. A rating of the noise reduction between two spaces. Similar to STC but includes sound from flanking paths and no correction for room reverberation.
NNIC	Normalized Noise Isolation Class. Similar to NIC but includes a correction for room reverberation.
Noise	Unwanted sound.
NRC	Noise Reduction Coefficient. NRC is a single-number rating of the sound-absorption of a material equal to the arithmetic mean of the sound-absorption coefficients in the 250, 500, 1000, and 2,000 Hz octave frequency bands rounded to the nearest multiple of 0.05. It is a representation of the amount of sound energy absorbed upon striking a particular surface. An NRC of 0 indicates perfect reflection; an NRC of 1 indicates perfect absorption.
RT60	The time it takes reverberant sound to decay by 60 dB once the source has been removed.
Sabin	The unit of sound absorption. One square foot of material absorbing 100% of incident sound has an absorption of 1 Sabin.
SEL	Sound Exposure Level. SEL is a rating, in decibels, of a discrete event, such as an aircraft flyover or train pass by, that compresses the total sound energy into a one-second event.
SPC	Speech Privacy Class. SPC is a method of rating speech privacy in buildings. It is designed to measure the degree of speech privacy provided by a closed room, indicating the degree to which conversations occurring within are kept private from listeners outside the room.
STC	Sound Transmission Class. STC is an integer rating of how well a building partition attenuates airborne sound. It is widely used to rate interior partitions, ceilings/floors, doors, windows and exterior wall configurations. The STC rating is typically used to rate the sound transmission of a specific building element when tested in laboratory conditions where flanking paths around the assembly don't exist. A larger number means more attenuation. The scale, like the decibel scale for sound, is logarithmic.
Threshold of Hearing	The lowest sound that can be perceived by the human auditory system, generally considered to be 0 dB for persons with perfect hearing.
Threshold of Pain	Approximately 120 dB above the threshold of hearing.
Impulsive	Sound of short duration, usually less than one second, with an abrupt onset and rapid decay.
Simple Tone	Any sound which can be judged as audible as a single pitch or set of single pitches.

Appendix B: Continuous Ambient Noise Measurement Results

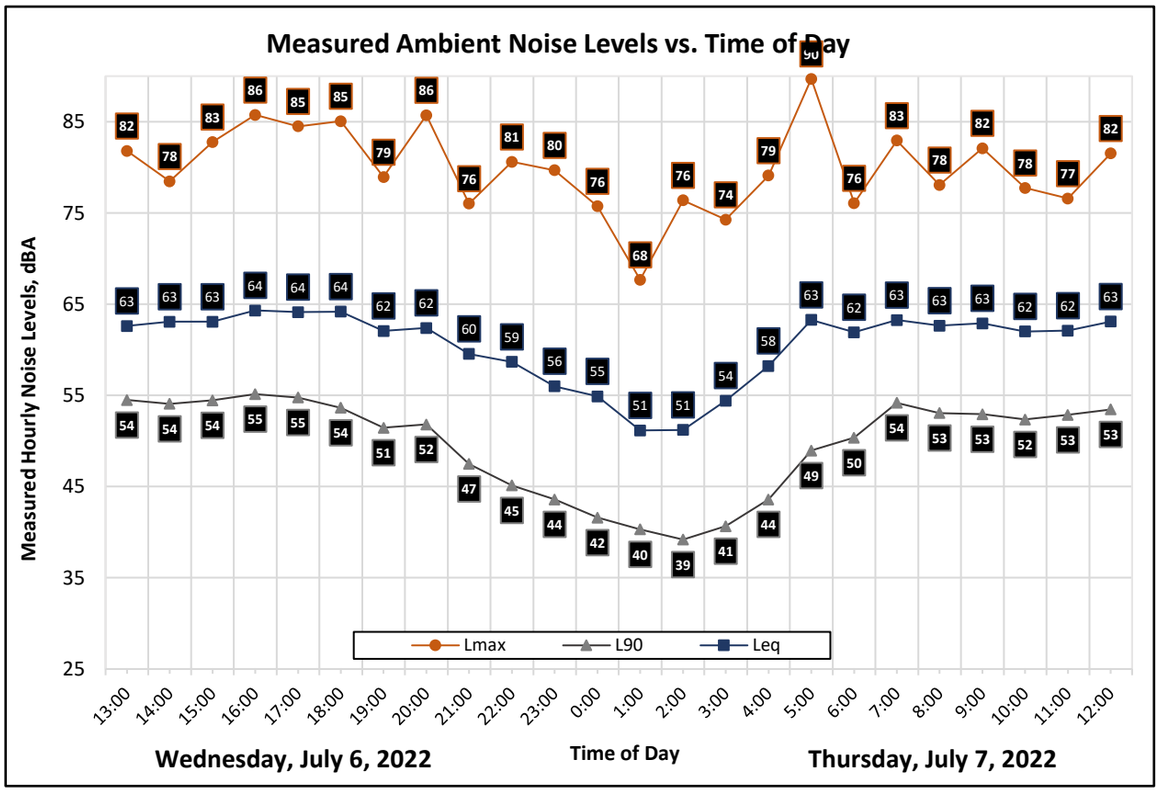


Appendix B1: Continuous Noise Monitoring Results

Site: LT-1
Project: Brownstone Estates
Meter: LDL 820-1
Location: Western Project Boundary
Calibrator: CAL200
Coordinates: 39.1418928°, -121.6669361°

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Wednesday, July 6, 2022	13:00	63	82	60	54
Wednesday, July 6, 2022	14:00	63	78	61	54
Wednesday, July 6, 2022	15:00	63	83	61	54
Wednesday, July 6, 2022	16:00	64	86	61	55
Wednesday, July 6, 2022	17:00	64	85	61	55
Wednesday, July 6, 2022	18:00	64	85	60	54
Wednesday, July 6, 2022	19:00	62	79	59	51
Wednesday, July 6, 2022	20:00	62	86	58	52
Wednesday, July 6, 2022	21:00	60	76	56	47
Wednesday, July 6, 2022	22:00	59	81	53	45
Wednesday, July 6, 2022	23:00	56	80	49	44
Thursday, July 7, 2022	0:00	55	76	47	42
Thursday, July 7, 2022	1:00	51	68	44	40
Thursday, July 7, 2022	2:00	51	76	42	39
Thursday, July 7, 2022	3:00	54	74	45	41
Thursday, July 7, 2022	4:00	58	79	52	44
Thursday, July 7, 2022	5:00	63	90	58	49
Thursday, July 7, 2022	6:00	62	76	60	50
Thursday, July 7, 2022	7:00	63	83	61	54
Thursday, July 7, 2022	8:00	63	78	60	53
Thursday, July 7, 2022	9:00	63	82	60	53
Thursday, July 7, 2022	10:00	62	78	60	52
Thursday, July 7, 2022	11:00	62	77	60	53
Thursday, July 7, 2022	12:00	63	82	60	53

Statistics	Leq	Lmax	L50	L90
Day Average	63	81	60	53
Night Average	58	78	50	44
Day Low	60	76	56	47
Day High	64	86	61	55
Night Low	51	68	42	39
Night High	63	90	60	50
Ldn	66	Day %		82
CNEL	66	Night %		18



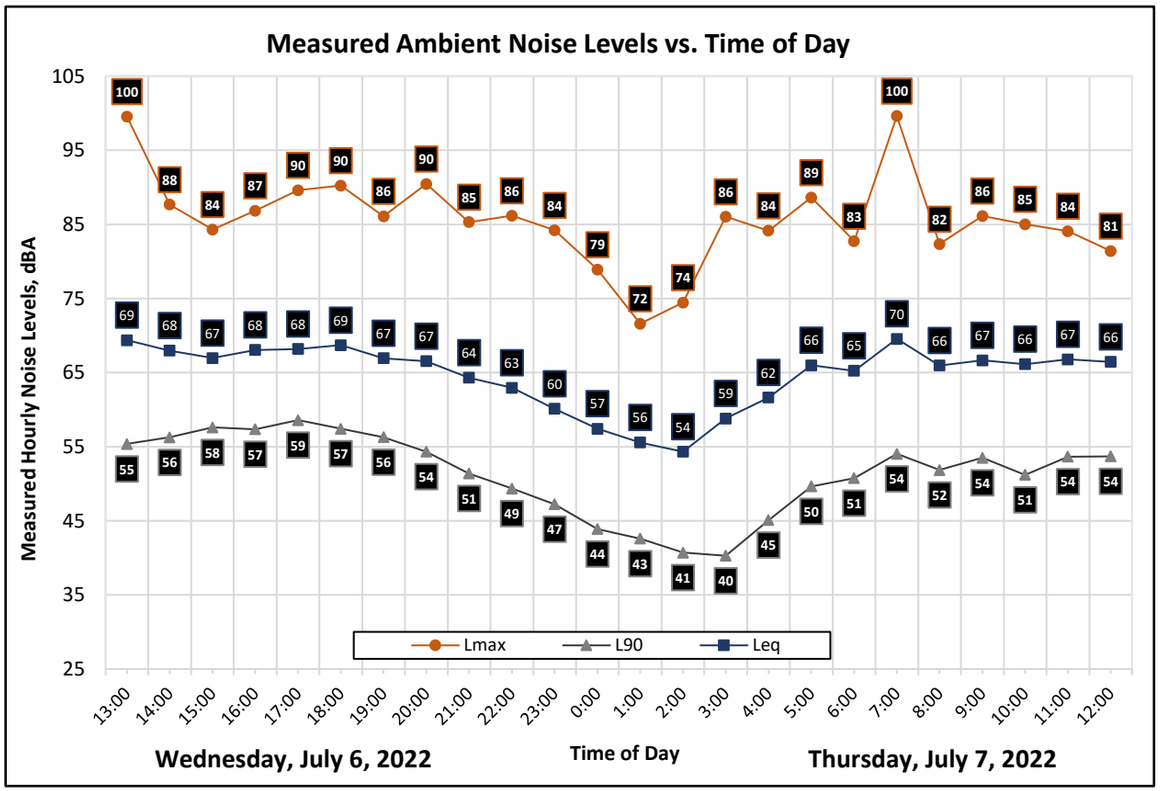


Appendix B2: Continuous Noise Monitoring Results

Site: LT-2
Project: Brownstone Estates
Location: Eastern Project Boundary
Coordinates: 39.1418161°, -121.6626466°
Meter: LDL 820-2
Calibrator: CAL200

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Wednesday, July 6, 2022	13:00	69	100	64	55
Wednesday, July 6, 2022	14:00	68	88	65	56
Wednesday, July 6, 2022	15:00	67	84	64	58
Wednesday, July 6, 2022	16:00	68	87	65	57
Wednesday, July 6, 2022	17:00	68	90	65	59
Wednesday, July 6, 2022	18:00	69	90	64	57
Wednesday, July 6, 2022	19:00	67	86	63	56
Wednesday, July 6, 2022	20:00	67	90	62	54
Wednesday, July 6, 2022	21:00	64	85	59	51
Wednesday, July 6, 2022	22:00	63	86	57	49
Wednesday, July 6, 2022	23:00	60	84	55	47
Thursday, July 7, 2022	0:00	57	79	51	44
Thursday, July 7, 2022	1:00	56	72	50	43
Thursday, July 7, 2022	2:00	54	74	47	41
Thursday, July 7, 2022	3:00	59	86	48	40
Thursday, July 7, 2022	4:00	62	84	54	45
Thursday, July 7, 2022	5:00	66	89	60	50
Thursday, July 7, 2022	6:00	65	83	61	51
Thursday, July 7, 2022	7:00	70	100	63	54
Thursday, July 7, 2022	8:00	66	82	63	52
Thursday, July 7, 2022	9:00	67	86	63	54
Thursday, July 7, 2022	10:00	66	85	62	51
Thursday, July 7, 2022	11:00	67	84	63	54
Thursday, July 7, 2022	12:00	66	81	63	54

Statistics	Leq	Lmax	L50	L90
Day Average	67	88	63	55
Night Average	62	82	54	46
Day Low	64	81	59	51
Day High	70	100	65	59
Night Low	54	72	47	40
Night High	66	89	61	51
Ldn	70	Day %		86
CNEL	70	Night %		14





Environmental Noise Assessment

Hooper Venture Apartments

City of Yuba City, California

August 12, 2022

Project #220508

Prepared for:

YC Hooper Ventures, LLC
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INTRODUCTION

The Hooper Ventures Apartments project is located in the City of Yuba City, California. The project includes the construction of 148 new residential units. The project will be bordered by commercial and industrial space to the south, residential land use to the west and east, and SR-20 to the south.

Figure 1 shows the project site plan. **Figure 2** shows an aerial photo of the project site.

ENVIRONMENTAL SETTING

BACKGROUND INFORMATION ON NOISE

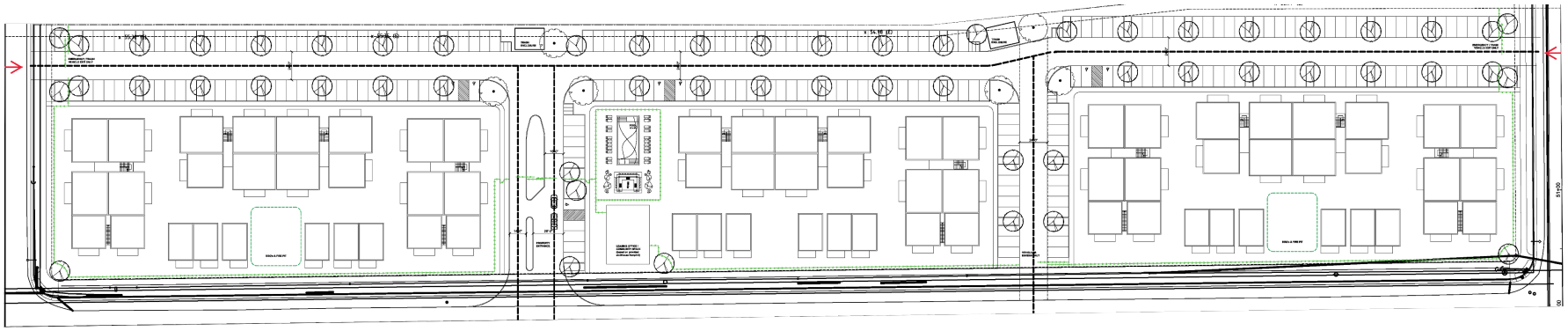
Fundamentals of Acoustics

Acoustics is the science of sound. Sound may be thought of as mechanical energy of a vibrating object transmitted by pressure waves through a medium to human (or animal) ears. If the pressure variations occur frequently enough (at least 20 times per second), then they can be heard and are called sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second or Hertz (Hz).

Noise is a subjective reaction to different types of sounds. Noise is typically defined as (airborne) sound that is loud, unpleasant, unexpected or undesired, and may therefore be classified as a more specific group of sounds. Perceptions of sound and noise are highly subjective from person to person.

Measuring sound directly in terms of pressure would require a very large and awkward range of numbers. To avoid this, the decibel scale was devised. The decibel scale uses the hearing threshold (20 micropascals), as a point of reference, defined as 0 dB. Other sound pressures are then compared to this reference pressure, and the logarithm is taken to keep the numbers in a practical range. The decibel scale allows a million-fold increase in pressure to be expressed as 120 dB, and changes in levels (dB) correspond closely to human perception of relative loudness.

The perceived loudness of sounds is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable, and can be approximated by A-weighted sound levels. There is a strong correlation between A-weighted sound levels (expressed as dBA) and the way the human ear perceives sound. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment.

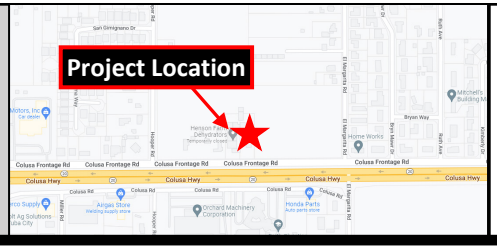


Hooper Ventures Apartments

Yuba City, California

Figure 1

Project Site Plan



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Hooper Ventures Apartments

City of Yuba City, California

Figure 2

Noise Measurement Sites

Legend

Project Site

Noise Measurement Site - Long Term

0 ft 500 ft 1000 ft 1500 ft 2000 ft 2500 ft

Projection: UTM Zone 10 / WGS84 / meters
Rev. Date: 07/29/2022

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The decibel scale is logarithmic, not linear. In other words, two sound levels 10-dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic decibel is A-weighted, an increase of 10-dBA is generally perceived as a doubling in loudness. For example, a 70-dBA sound is half as loud as an 80-dBA sound, and twice as loud as a 60 dBA sound.

Community noise is commonly described in terms of the ambient noise level, which is defined as the all-encompassing noise level associated with a given environment. A common statistical tool is the average, or equivalent, sound level (L_{eq}), which corresponds to a steady-state A weighted sound level containing the same total energy as a time varying signal over a given time period (usually one hour). The L_{eq} is the foundation of the composite noise descriptor, L_{dn}, and shows very good correlation with community response to noise.

The day/night average level (DNL or L_{dn}) is based upon the average noise level over a 24-hour day, with a +10-decibel weighing applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. The nighttime penalty is based upon the assumption that people react to nighttime noise exposures as though they were twice as loud as daytime exposures. Because L_{dn} represents a 24-hour average, it tends to disguise short-term variations in the noise environment.

Table 1 lists several examples of the noise levels associated with common situations. **Appendix A** provides a summary of acoustical terms used in this report.

TABLE 1: TYPICAL NOISE LEVELS

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	--110--	Rock Band
Jet Fly-over at 300 m (1,000 ft.)	--100--	
Gas Lawn Mower at 1 m (3 ft.)	--90--	
Diesel Truck at 15 m (50 ft.), at 80 km/hr. (50 mph)	--80--	Food Blender at 1 m (3 ft.) Garbage Disposal at 1 m (3 ft.)
Noisy Urban Area, Daytime Gas Lawn Mower, 30 m (100 ft.)	--70--	Vacuum Cleaner at 3 m (10 ft.)
Commercial Area Heavy Traffic at 90 m (300 ft.)	--60--	Normal Speech at 1 m (3 ft.)
Quiet Urban Daytime	--50--	Large Business Office Dishwasher in Next Room
Quiet Urban Nighttime	--40--	Theater, Large Conference Room (Background)
Quiet Suburban Nighttime	--30--	Library
Quiet Rural Nighttime	--20--	Bedroom at Night, Concert Hall (Background)
	--10--	Broadcast/Recording Studio
Lowest Threshold of Human Hearing	--0--	Lowest Threshold of Human Hearing

Source: *Caltrans, Technical Noise Supplement, Traffic Noise Analysis Protocol. September 2013.*

Effects of Noise on People

The effects of noise on people can be placed in three categories:

- Subjective effects of annoyance, nuisance, and dissatisfaction
- Interference with activities such as speech, sleep, and learning
- Physiological effects such as hearing loss or sudden startling

Environmental noise typically produces effects in the first two categories. Workers in industrial plants can experience noise in the last category. There is no completely satisfactory way to measure the subjective effects of noise or the corresponding reactions of annoyance and dissatisfaction. A wide variation in individual thresholds of annoyance exists and different tolerances to noise tend to develop based on an individual's past experiences with noise.

Thus, an important way of predicting a human reaction to a new noise environment is the way it compares to the existing environment to which one has adapted: the so-called ambient noise level. In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will be judged by those hearing it.

With regard to increases in A-weighted noise level, the following relationships occur:

- Except in carefully controlled laboratory experiments, a change of 1-dBA cannot be perceived;
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference;
- A change in level of at least 5-dBA is required before any noticeable change in human response would be expected; and
- A 10-dBA change is subjectively heard as approximately a doubling in loudness, and can cause an adverse response.

Stationary point sources of noise – including stationary mobile sources such as idling vehicles – attenuate (lessen) at a rate of approximately 6-dB per doubling of distance from the source, depending on environmental conditions (i.e. atmospheric conditions and either vegetative or manufactured noise barriers, etc.). Widely distributed noises, such as a large industrial facility spread over many acres, or a street with moving vehicles, would typically attenuate at a lower rate.

EXISTING NOISE AND VIBRATION ENVIRONMENTS

EXISTING NOISE RECEPTORS

Some land uses are considered more sensitive to noise than others. Land uses often associated with sensitive receptors generally include residences, schools, libraries, hospitals, and passive recreational areas. Sensitive noise receptors may also include threatened or endangered noise sensitive biological species, although many jurisdictions have not adopted noise standards for wildlife areas. Noise sensitive land uses are typically given special attention in order to achieve protection from excessive noise.

Sensitivity is a function of noise exposure (in terms of both exposure duration and insulation from noise) and the types of activities involved. In the vicinity of the project site, sensitive land uses include existing single-family residential uses to the north of the project site, multi-family residential uses to the east of the project site, and commercial and office uses to the west and south of the project site.

EXISTING GENERAL AMBIENT NOISE LEVELS

To quantify the existing ambient noise environment in the project vicinity, Saxelby Acoustics conducted a continuous (24-hr.) noise level measurement at two locations on the project site. Noise measurement locations are shown on **Figure 2**. A summary of the noise level measurement survey results is provided in **Table 2**. **Appendix B** contains the complete results of the noise monitoring.

The sound level meters were programmed to record the maximum, median, and average noise levels at each site during the survey. The maximum value, denoted L_{max}, represents the highest noise level measured. The average value, denoted L_{eq}, represents the energy average of all of the noise received by the sound level meter microphone during the monitoring period. The median value, denoted L_{50}, represents the sound level exceeded 50 percent of the time during the monitoring period.

Larson Davis Laboratories (LDL) model 820 precision integrating sound level meters were used for the ambient noise level measurement survey. The meters were calibrated before and after use with a CAL 200 acoustical calibrator to ensure the accuracy of the measurements. The equipment used meets all pertinent specifications of the American National Standards Institute for Type 1 sound level meters (ANSI S1.4).

TABLE 2: SUMMARY OF EXISTING BACKGROUND NOISE MEASUREMENT DATA

Location	Date	L_{dn}	Daytime L_{eq}	Daytime L_{50}	Daytime L_{max}	Nighttime L_{eq}	Nighttime L_{50}	Nighttime L_{max}
LT-1: 205 ft. to CL of SR-20.	7/6/2022 to 7/7/2022	66	63	60	81	58	50	78
LT-2: 120 ft. to CL of SR-20.	7/6/2022 to 7/7/2022	70	67	63	88	62	54	82

Notes:

- *All values shown in dBA*
- *Daytime hours: 7:00 a.m. to 10:00 p.m.*
- *Nighttime Hours: 10:00 p.m. to 7:00 a.m.*
- *Source: Saxelby Acoustics 2022*

FUTURE TRAFFIC NOISE ENVIRONMENT AT OFF-SITE RECEPTORS

Off-Site Traffic Noise Impact Assessment Methodology

To assess noise impacts due to project-related traffic increases on the local roadway network, traffic noise levels are predicted at sensitive receptors for existing and future, project and no-project conditions.

Existing and Cumulative noise levels due to traffic are calculated using the Federal Highway Administration Highway Traffic Noise Prediction Model (FHWA RD-77-108). The model is based upon the Calveno reference noise factors for automobiles, medium trucks and heavy trucks, with consideration given to vehicle volume, speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the site.

The FHWA model was developed to predict hourly L_{eq} values for free-flowing traffic conditions. To predict traffic noise levels in terms of L_{dn}, it is necessary to adjust the input volume to account for the day/night distribution of traffic.

Project trip generation volumes were provided by the project traffic engineer (KD Anderson & Associates 2022), truck usage and vehicle speeds on the local area roadways were estimated from field observations. The predicted increases in traffic noise levels on the local roadway network for Existing and Cumulative conditions which would result from the project are provided in terms of L_{dn}.

Traffic noise levels are predicted at the sensitive receptors located at the closest typical setback distance along each project-area roadway segment. In some locations sensitive receptors may not receive full shielding from noise barriers or may be located at distances which vary from the assumed calculation distance.

Tables 3 and 4 summarize the modeled traffic noise levels at the nearest sensitive receptors along each roadway segment in the Project area. **Appendix C** provides the complete inputs and results of the FHWA traffic modeling.

TABLE 3: PREDICTED TRAFFIC NOISE LEVEL AND PROJECT-RELATED TRAFFIC NOISE LEVEL INCREASES

Roadway	Segment	Predicted Exterior Noise Level (dBA L_{dn}) at Closest Sensitive Receptors		
		Existing No Project	Existing + Project	Change
Hooper Road	Colusa Frontage and Project Dwy	53.4	53.5	0.1
Colusa Frontage	West of Hooper Road	57.5	57.8	0.3
Colusa Frontage	East of West Project Dwy	46.1	47.3	1.2
Colusa Frontage	West of West Project Dwy	43.9	44.5	0.6
Colusa Frontage	East of El Margarita	54.2	55.5	1.3
El Margarita Road	Project Dwy and Jefferson Road	48.6	48.6	0.0
El Margarita Road	Colusa Frontage and Project Dwy	50.0	50.5	0.5
Hooper Road	Project Dwy and Jefferson Road	54.4	54.5	0.1

TABLE 4: CUMULATIVE TRAFFIC NOISE LEVEL AND PROJECT-RELATED TRAFFIC NOISE LEVEL INCREASES

Roadway	Segment	Predicted Exterior Noise Level (dBA L_{dn}) at Closest Sensitive Receptors		
		Cumulative No Project	Cumulative + Project	Change
Hooper Road	Colusa Frontage and Project Dwy	55.6	55.6	0.0
Colusa Frontage	West of Hooper Road	60.5	60.6	0.1
Colusa Frontage	East of West Project Dwy	49.8	50.4	0.6
Colusa Frontage	West of West Project Dwy	47.7	47.9	0.2
Colusa Frontage	East of El Margarita	57.0	57.8	0.8
El Margarita Road	Project Dwy and Jefferson Road	52.1	52.1	0.0
El Margarita Road	Colusa Frontage and Project Dwy	53.6	53.8	0.2
Hooper Road	Project Dwy and Jefferson Road	56.6	56.6	0.0

Based upon the **Tables 3 and 4** data, the proposed project is predicted to result in an increase in a maximum traffic noise level increase of 1.3 dBA.

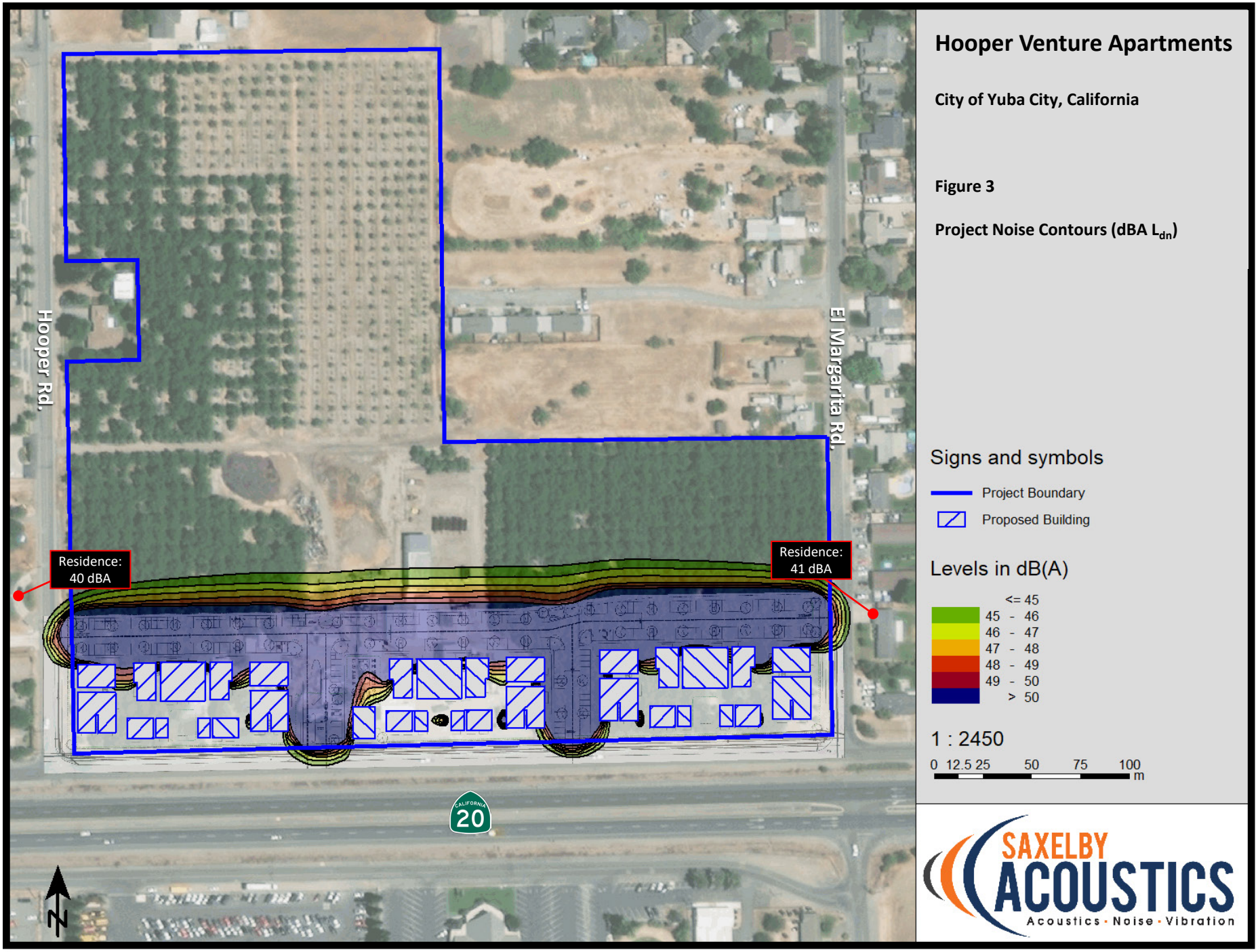
EVALUATION OF PROJECT OPERATIONAL NOISE ON EXISTING SENSITIVE RECEPTORS

Project site traffic circulation and residential HVAC noise are considered to be the primary noise sources for this project. The following is a list of assumptions used for the noise modeling. The data used is based upon a combination of manufacturer's provided data and Saxelby Acoustics data from similar operations.

On-Site Circulation: The project is projected to generate 998 daily trips with 33 trips in the evening peak hour (KD Anderson & Associates). Saxelby Acoustics assumed that 2 of these trips could be trucks. Parking lot movements are predicted to generate a sound exposure level (SEL) of 71 dBA SEL at 50 feet for cars and 85 dBA SEL at 50 feet for trucks. Nighttime traffic outside of the AM or PM peak hour was assumed to be equal to the number of daytime trips during nighttime hours (10:00 p.m. to 7:00 a.m.). Saxelby Acoustics data.

HVAC: Assumes a single three-ton HVAC unit for each residential unit. The units were assumed to have a sound level rating of 70 dBA (manufacturer's data) and operate continuously during both daytime and nighttime hours. Steady state HVAC noise does not fluctuate greatly, so exceedances of the City's maximum noise level standard are not predicted to occur.

Saxelby Acoustics used the SoundPLAN noise prediction model. Inputs to the model included sound power levels for the proposed amenities, existing and proposed buildings, terrain type, and locations of sensitive receptors. These predictions are made in accordance with International Organization for Standardization (ISO) standard 9613-2:1996 (Acoustics – Attenuation of sound during propagation outdoors). ISO 9613 is the most commonly used method for calculating exterior noise propagation. **Figure 3** shows the noise level contours resulting from operation of the project.



Hooper Venture Apartments

City of Yuba City, California

Figure 3

Project Noise Contours (dBA L_{dn})

Signs and symbols

- Project Boundary
- Proposed Building

Levels in dB(A)

<= 45
45 - 46
46 - 47
47 - 48
48 - 49
49 - 50
> 50

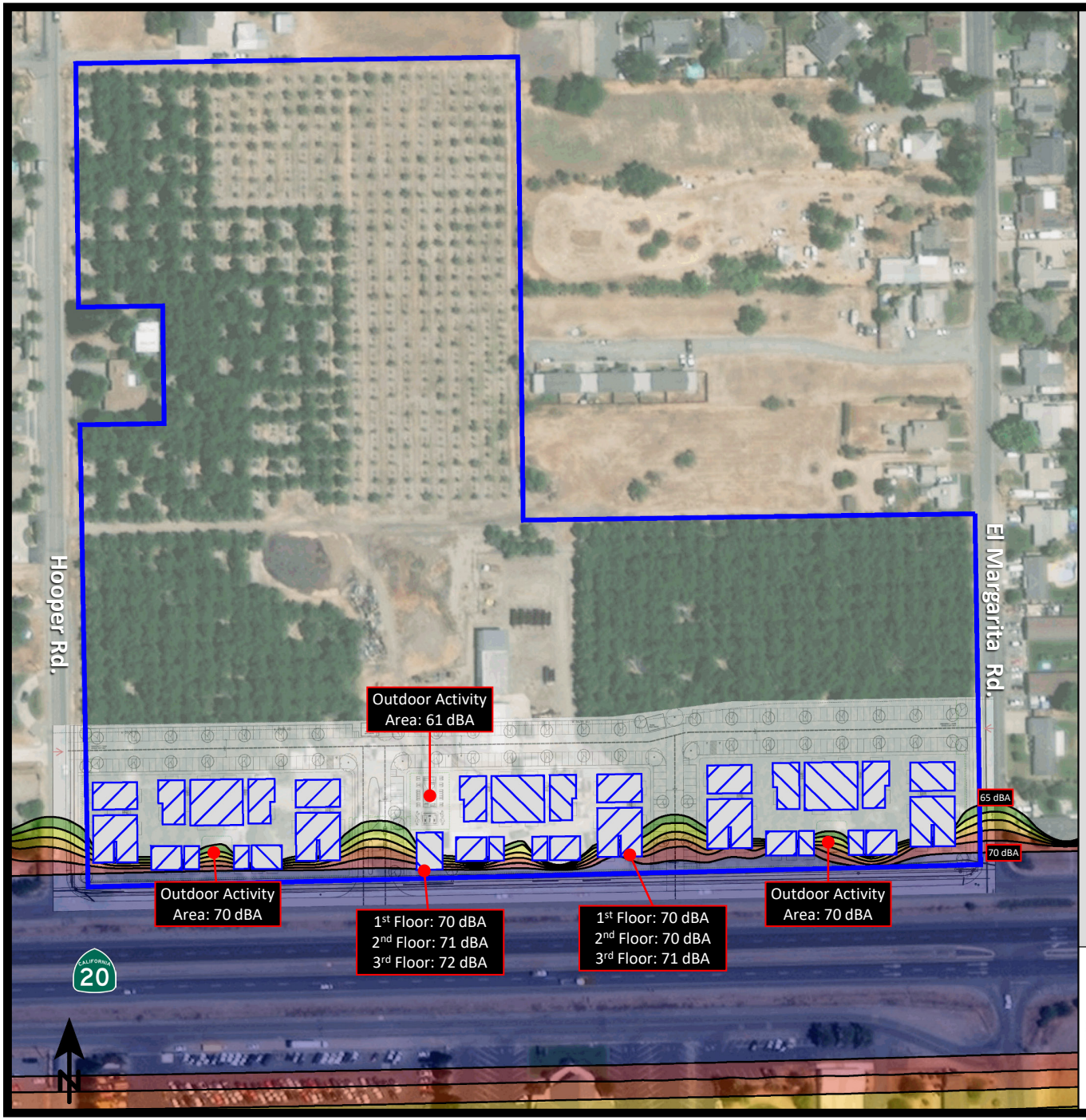
1 : 2450

0 12.5 25 50 75 100 m

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EVALUATION OF FUTURE TRANSPORTATION NOISE ON PROJECT SITE

Saxelby Acoustics used the SoundPLAN noise model to calculate traffic noise levels at the proposed residential uses due to traffic on SR-20. Inputs to the SoundPLAN noise model include topography, existing structures, roadway elevations, and the proposed building pad elevations. It was estimated that existing noise levels would increase by +1 dBA based upon an assumed 1% per year increase in traffic volumes on SR-20. The results of this analysis are shown graphically on **Figure 4**.



Hooper Venture Apartments

City of Yuba City, California

Figure 4

Future Transportation Noise Contours (dBA L_{dn})

Signs and symbols

Project Boundary

Proposed Building

Levels in dB(A)

<= 65
65 - 66
66 - 67
67 - 68
68 - 69
69 - 70
> 70

1 : 2450

0 12.5 25 50 75 100 m

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CONSTRUCTION NOISE ENVIRONMENT

During the construction of the proposed project, noise from construction activities would temporarily add to the noise environment in the project vicinity. As shown in **Table 5**, activities involved in construction would generate maximum noise levels ranging from 76 to 90 dB at a distance of 50 feet.

TABLE 5: CONSTRUCTION EQUIPMENT NOISE

Type of Equipment	Maximum Level, dBA at 50 feet
Auger Drill Rig	84
Backhoe	78
Compactor	83
Compressor (air)	78
Concrete Saw	90
Dozer	82
Dump Truck	76
Excavator	81
Generator	81
Jackhammer	89
Pneumatic Tools	85

Source: Roadway Construction Noise Model User's Guide. Federal Highway Administration. FHWA-HEP-05-054. January 2006.

CONSTRUCTION VIBRATION ENVIRONMENT

The primary vibration-generating activities associated with the proposed project would occur during construction when activities such as grading, utilities placement, and parking lot construction occur. **Table 6** shows the typical vibration levels produced by construction equipment.

TABLE 6: VIBRATION LEVELS FOR VARIOUS CONSTRUCTION EQUIPMENT

Type of Equipment	Peak Particle Velocity at 25 feet (inches/second)	Peak Particle Velocity at 50 feet (inches/second)	Peak Particle Velocity at 100 feet (inches/second)
Large Bulldozer	0.089	0.031	0.011
Loaded Trucks	0.076	0.027	0.010
Small Bulldozer	0.003	0.001	0.000
Auger/drill Rigs	0.089	0.031	0.011
Jackhammer	0.035	0.012	0.004
Vibratory Hammer	0.070	0.025	0.009
Vibratory Compactor/roller	0.210 (Less than 0.20 at 26 feet)	0.074	0.026

Source: Transit Noise and Vibration Impact Assessment Guidelines. Federal Transit Administration. May 2006.

REGULATORY CONTEXT

FEDERAL

There are no federal regulations related to noise that apply to the Proposed Project.

STATE

California Environmental Quality Act

The California Environmental Quality Act (CEQA) Guidelines, Appendix G, indicate that a significant noise impact may occur if a project exposes persons to noise or vibration levels in excess of local general plans or noise ordinance standards, or cause a substantial permanent or temporary increase in ambient noise levels. CEQA standards are discussed more below under the Thresholds of Significance section.

LOCAL

City of Yuba City General Plan Noise Element

Guiding Policies

9.1-G-1. Strive to achieve an acceptable noise environment for the present and future residents of Yuba City.

9.1-G-2. Incorporate noise considerations into land use planning decisions, and guide the location and design of transportation facilities to minimize the effects of noise on adjacent land uses.

Implementing Policies

9.1-I-1. Use the "normally acceptable" noise levels for new land uses as established in Figure 9-4 (**Table 7 below)** (Land Use Compatibility for Community Noise Environments) as review criteria.

9.1-I-2. Require a noise study and mitigation for all projects that have noise exposure greater than "normally acceptable" levels. Noise mitigation measures include, but are not limited to, the following actions:

- Screen and control noise sources, such as parking and loading facilities, outdoor activities and mechanical equipment,
- Increase setbacks for noise sources from adjacent dwellings,
- Retain fences, walls, and landscaping that serve as noise buffers,
- Use soundproofing materials and double-glazed windows, and
- Control hours of operation, including deliveries and trash pickup, to minimize noise impacts.

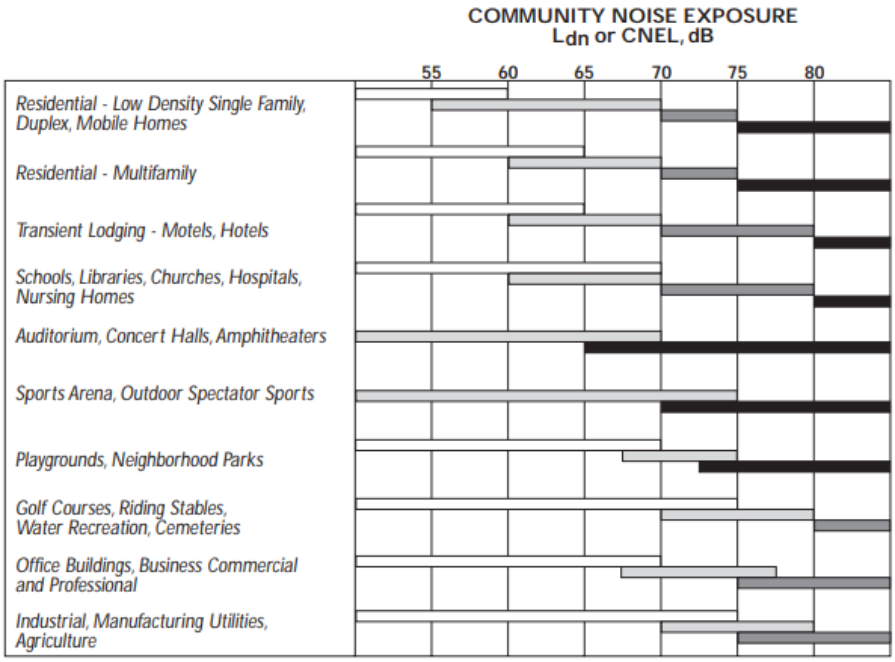
Proposed development can introduce potential noise sources, even when it is compatible with existing adjacent uses. An example is the handling of large trash bins for multi-family housing. If noise exposure is greater than levels considered normally acceptable, some form of noise mitigation will have to be

incorporated, to the extent practicable, unless the impacts are found to be less than significant. The mitigation can be conventional insulation features or techniques that require more complex building or equipment design and site layout. Site design and/or screening techniques can help mitigate the resulting noise. Open space, building orientation and design, and landscaping can be used to buffer or mask sound.

9.1-I-3. In making a determination of impact under the California Environmental Quality Act (CEQA), consider an increase of four or more DBA to be "significant" if the resulting noise level would exceed that described as normally acceptable for the affected land use in Figure 9-4.

9.1-I-4. Protect especially sensitive uses, including schools, hospitals, and senior care facilities, from excessive noise, by enforcing “normally acceptable” noise level standards for these uses.

TABLE 7: LAND USE COMPATIBILITY FOR COMMUNITY NOISE ENVIRONMENT



INTERPRETATION:

NORMALLY ACCEPTABLE
Specified land use is satisfactory, based upon the assumption that any building involved is of normal conventional construction, without any special noise insulation requirements.

CONDITIONALLY ACCEPTABLE
New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.

NORMALLY UNACCEPTABLE
New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

CLEARLY UNACCEPTABLE
New construction or development should generally not be undertaken.

SOURCE: California Governor's Office of Planning and Research, 1990.

City of Yuba City Municipal Code

Title 4, Chapter 17, Section 4-17.10(e) of the Yuba City Municipal Code prohibits the operation of noise-generating construction equipment before 6:00 a.m. or after 9:00 p.m. daily, except Sunday and State or federal holidays when the prohibited time is before 8:00 a.m. and after 9:00 p.m.

Criteria for Acceptable Vibration

Vibration is like noise in that it involves a source, a transmission path, and a receiver. While vibration is related to noise, it differs in that noise is generally considered to be pressure waves transmitted through air, whereas vibration usually consists of the excitation of a structure or surface. As with noise, vibration consists of an amplitude and frequency. A person's perception to the vibration will depend on their individual sensitivity to vibration, as well as the amplitude and frequency of the source and the response of the system which is vibrating.

Vibration can be measured in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration measures in terms of peak particle velocities in inches per second. Standards pertaining to perception as well as damage to structures have been developed for vibration levels defined in terms of peak particle velocities.

Human and structural response to different vibration levels is influenced by a number of factors, including ground type, distance between source and receptor, duration, and the number of perceived vibration events. **Table 8**, which was developed by Caltrans, shows the vibration levels which would normally be required to result in damage to structures. The vibration levels are presented in terms of peak particle velocity in inches per second.

Table 8 indicates that the threshold for architectural damage to structures is 0.20 in/sec p.p.v. A threshold of 0.20 in/sec p.p.v. is considered to be a reasonable threshold for short-term construction projects.

TABLE 8: EFFECTS OF VIBRATION ON PEOPLE AND BUILDINGS

Peak Particle Velocity		Human Reaction	Effect on Buildings
mm/second	in/second		
0.15-0.30	0.006-0.019	Threshold of perception; possibility of intrusion	Vibrations unlikely to cause damage of any type
2.0	0.08	Vibrations readily perceptible	Recommended upper level of the vibration to which ruins and ancient monuments should be subjected
2.5	0.10	Level at which continuous vibrations begin to annoy people	Virtually no risk of "architectural" damage to normal buildings
5.0	0.20	Vibrations annoying to people in buildings (this agrees with the levels established for people standing on bridges and subjected to relative short periods of vibrations)	Threshold at which there is a risk of "architectural" damage to normal dwelling - houses with plastered walls and ceilings. Special types of finish such as lining of walls, flexible ceiling treatment, etc., would minimize "architectural" damage
10-15	0.4-0.6	Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable to some people walking on bridges	Vibrations at a greater level than normally expected from traffic, but would cause "architectural" damage and possibly minor structural damage

Source: *Transportation Related Earthborne Vibrations.* Caltrans. TAV-02-01-R9601. February 20, 2002.

IMPACTS AND MITIGATION MEASURES

THRESHOLDS OF SIGNIFICANCE

Appendix G of the CEQA Guidelines states that a project would normally be considered to result in significant noise impacts if noise levels conflict with adopted environmental standards or plans or if noise generated by the project would substantially increase existing noise levels at sensitive receivers on a permanent or temporary basis. Significance criteria for noise impacts are drawn from CEQA Guidelines Appendix G (Items XI [a-c]).

Would the project:

a. Generate 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. Generate excessive groundborne vibration or groundborne noise levels?

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

The proposed project is not located within two miles of a public or private airport, therefore item "c" is not discussed any further in this study.

Noise Level Increase Criteria for Long-Term Project-Related Noise Level Increases

The California Environmental Quality Act (CEQA) guidelines define a significant impact of a project if it "increases substantially the ambient noise levels for adjoining areas." Generally, a project may have a significant effect on the environment if it will substantially increase the ambient noise levels for adjoining areas or expose people to severe noise levels. In practice, more specific professional standards have been developed. These standards state that a noise impact may be considered significant if it would generate noise that would conflict with local project criteria or ordinances, or substantially increase noise levels at noise sensitive land uses. The potential increase in traffic noise from the project is a factor in determining significance. Research into the human perception of changes in sound level indicates the following:

- A 3-dB change is barely perceptible,
- A 5-dB change is clearly perceptible, and
- A 10-dB change is perceived as being twice or half as loud.

A limitation of using a single noise level increase value to evaluate noise impacts is that it fails to account for pre-project noise conditions. **Table 9** is based upon recommendations made by the Federal Interagency Committee on Noise (FICON) to provide guidance in the assessment of changes in ambient noise levels resulting from aircraft operations. The recommendations are based upon studies that relate aircraft noise levels to the percentage of persons highly annoyed by the noise. Although the FICON recommendations were specifically developed to assess aircraft noise impacts, it has been accepted that they are applicable to all sources of noise described in terms of cumulative noise exposure metrics such as the L_{dn}.

TABLE 9: SIGNIFICANCE OF CHANGES IN NOISE EXPOSURE

Ambient Noise Level Without Project, L_{dn}	Increase Required for Significant Impact
<60 dB	+5.0 dB or more
60-65 dB	+3.0 dB or more
>65 dB	+1.5 dB or more

Source: Federal Interagency Committee on Noise (FICON).

Based on the **Table 9** data, an increase in the traffic noise level of 5 dB or more would be significant where the pre-project noise levels are less than 60 dB L_{dn}, or 3 dB or more where existing noise levels are between 60 to 65 dB L_{dn}. Extending this concept to higher noise levels, an increase in the traffic noise level of 1.5 dB or more may be significant where the pre-project traffic noise level exceeds 65 dB L_{dn}. The rationale for the **Table 9** criteria is that, as ambient noise levels increase, a smaller increase in noise resulting from a project is sufficient to cause annoyance.

PROJECT-SPECIFIC IMPACTS AND MITIGATION MEASURES

Impact 1: ***Would the project generate 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?***

Traffic Noise Increases at Off-Site Receptors

Based upon the **Table 9** FICON criteria, where existing traffic noise levels are greater than 65 dBA L_{dn}, at the outdoor activity areas of noise-sensitive uses, a +1.5 dBA L_{dn} increase in roadway noise levels will be considered significant. Where traffic noise levels are between 60 dBA L_{dn} and 65 dBA L_{dn}, a +3.0 dB L_{dn} increase in roadway noise levels will be considered significant. Where traffic noise levels are less than 60 dBA L_{dn}, a +5.0 dB L_{dn} increase in roadway noise levels will be considered significant. As shown in **Tables 3 and 4**, the maximum increase in roadway noise levels is predicted to be 1.3 dBA on the Colusa Frontage Road. Increases in noise levels due to project traffic do not exceed the FICON criteria at the analyzed roadway segments.

Therefore, impacts resulting from increased traffic noise would be considered ***less-than-significant***, and no mitigation is required.

Operational Noise at Existing Sensitive Receptors

The City of Yuba City Land Use Compatibility Table (**Table 7**) defines "Normally Acceptable" noise levels to be less than 60 dBA L_{dn}. As shown on **Figure 3**, the project is predicted to expose nearby residences to noise levels up to 41 dBA, L_{dn}. The predicted project operational noise levels would therefore comply with the Yuba City noise level standards.

This is a ***less-than-significant*** impact, and no mitigation is required.

Construction Noise

During the construction phases of the project, noise from construction activities would add to the noise environment in the immediate project vicinity. As indicated in **Table 5**, activities involved in construction would generate maximum noise levels ranging from 76 to 90 dBA L_{max} at a distance of 50 feet. Construction activities would also be temporary in nature and are anticipated to occur during normal daytime working hours.

Noise would also be generated during the construction phase by increased truck traffic on area roadways. A project-generated noise source would be truck traffic associated with transport of heavy materials and equipment to and from the construction site. This noise increase would be of short duration and would occur during daytime hours.

Noise from localized point sources (such as construction sites) typically decreases by approximately 6 dBA with each doubling of distance from source to receptor. Given this noise attenuation rate and assuming no noise shielding from either natural or human-made features (e.g., trees, buildings, fences), outdoor receptors within approximately 1,600 feet of construction sites could experience maximum instantaneous noise levels of greater than 60 dBA when on-site construction-related noise levels exceed approximately 90 dBA at the boundary of the construction site. As previously discussed, nearby noise-sensitive receptors consist predominantly of residential dwellings located near the western and eastern boundaries of the project site.

Project construction activities would comply with the City's Municipal Code and be limited to the hours of 6:00 a.m. to 9:00 p.m. Monday through Saturday, and the hours of 8:00 a.m. to 9:00 p.m. on Sundays and state and federal holidays. Noise produced from construction-related activities would be exempt from the exterior noise limits set by the City of Yuba City Municipal Code. Compliance with a noise ordinance is adequate mitigation to reduce the impact to a less-than-significant level. However, because construction activities could expose occupants of adjacent buildings to high levels of noise during the day, mitigation measure 1(a) is recommended to further reduce noise associated with construction.

Transportation Noise on Project Site (Non-CEQA Issue)

Exterior Transportation Noise

Compliance with City's standards on new noise-sensitive receptors is not a CEQA consideration. However, this information is provided here so that a determination can be made regarding the ability of the proposed project to meet the requirements of the City of Yuba City for exterior and interior noise levels at new sensitive uses proposed under the project.

As shown on **Figure 4**, several of the proposed outdoor activity areas are predicted to be exposed to exterior transportation noise levels up to approximately 70 dBA L_{dn}. This would be considered "Normally Unacceptable" under the Yuba City General Plan Land Use Compatibility Table (**Table 7**). Therefore, additional noise control measures would be required.

To reduce noise levels to "Conditionally Acceptable" noise levels (60 dBA L_{dn} to 70 dBA L_{dn}), Saxelby Acoustics determined the effect of including a sound wall in the project design. A 6-foot-tall barrier was modeled along the southern project boundary. The barrier is predicted to lower noise levels at all outdoor activity areas on the project site to 62 dBA L_{dn} or lower. **Figure 5** shows the recommended sound wall and resulting noise level contours.



Hooper Venture Apartments

City of Yuba City, California

Figure 5

Future Transportation Noise Contours (dBA L_{dn}) – with Sound Walls

Signs and symbols

- Project Boundary
- Recommended 6-Foot Wall
- Proposed Building

Levels in dB(A)

- <= 65
- 65 - 66
- 66 - 67
- 67 - 68
- 68 - 69
- 69 - 70
- > 70

1 : 2450

0 12.5 25 50 75 100 m

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Interior Transportation Noise

Modern building construction methods typically yield an exterior-to-interior noise level reduction of 25 dBA. Therefore, where exterior noise levels are 70 dBA L_{dn}, or less, no additional interior noise control measures are typically required. For this project, exterior noise levels are predicted to be up to 72 dBA L_{dn} at the second and third stories of the buildings closest to SR-20. This would result in interior noise levels of up to 47 dBA L_{dn} at the second story receivers based on typical building construction. This exceeds the City of Yuba City which requires that interior noise levels do not exceed 45 dB L_{dn}. Therefore, additional noise control measures are required to reduce interior noise to acceptable levels.

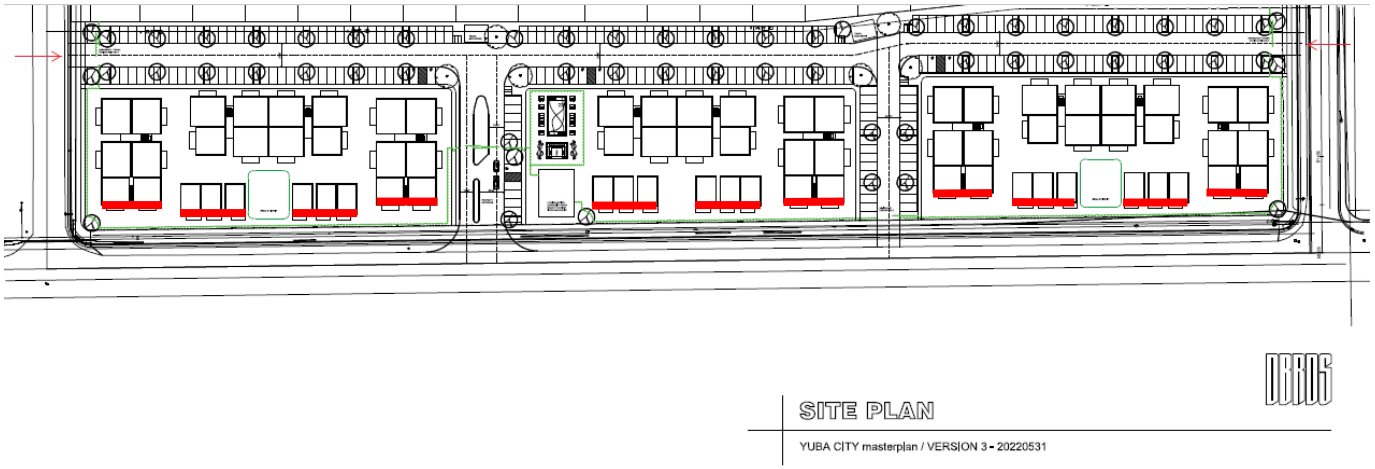
The proposed residential buildings located along the SR-20 frontage shall be designed to achieve a 25 dBA exterior to interior noise level reduction to satisfy the requirements of the City of Yuba City. **Figure 6** shows the locations of facades requiring acoustic upgrades. **Figure 6** and **Appendix D** provide an estimate of interior noise control measures required to meet the applicable standards. It should be noted that interior noise control measures are based upon an estimate of the future residence layouts. These assumptions should be verified once floor plans become available for an accurate assessment of interior noise control measures.

Hooper Ventures Apartments

City of Yuba City, California

Figure 6

Interior Noise Control Measures



Legend

Facades Needing Acoustic Upgrades

Interior Noise Control Measures
(Required for Indicated Facades of Proposed Building)

- *Glazing shall have a sound transmission class (STC) rating of 32 minimum;*
- *Exterior finish shall be stucco with sheathing;*
- *Interior gypsum at exterior walls shall be 5/8" on resilient channel or 5/8" on staggered stud wall assembly;*
- *Ceiling gypsum shall be 5/8";*
- *Floors shall be vinyl plank or carpet;*
- *Mechanical ventilation shall be installed in all residential uses to allow residents to keep doors and windows closed, as desired for acoustical isolation;*
- *No PTAC's shall be used.*

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Mitigation Measures

1(a) The City shall establish the following as conditions of approval for any permit that results in the use of construction equipment:

- Construction shall be limited to the hours of 6:00 a.m. to 9:00 p.m. Monday through Saturday, and the hours of 8:00 a.m. to 9:00 p.m. on Sundays and state and federal holidays.
- Quiet construction equipment, particularly air compressors, are to be selected whenever possible.
- Unnecessary idling of internal combustion engines is prohibited.
- All stationary noise-generating construction equipment such as generators or air compressors are to be located as far as is practical from existing residences. In addition, the project contractor shall place such stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site.
- Whenever stationary noise sources – such as generators and compressors – are used within line of sight to occupied residences (on or offsite), temporary barriers shall be constructed around the source to shield the ground floor of the noise-sensitive uses. These barriers shall be of ¾-inch Medium Density Overlay (MDO) plywood sheeting, or other material of equivalent utility and appearance to achieve a Sound Transmission Class of STC-30, or greater, based on certified sound transmission loss data taken according to ASTM Test Method E90 or as approved by the City of Yuba City Building Official.
- Construction equipment staging areas shall be located as far as feasible from residential areas while still serving the needs of construction contractors.
- Equipment and trucks used for construction will use the industry standard noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically-attenuating shields or shrouds, wherever feasible).
- Impact tools (e.g., jack hammers, pavement breakers, and rock drills) used for construction shall be hydraulically- or electrically-powered where feasible to avoid noise associated with compressed air exhaust from pneumatically-powered tools. Where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used; this muffler can lower noise levels from the exhaust by up to about 10 dB. External jackets on the tools themselves shall be used where feasible; this could achieve a reduction of 5 dB. Quieter procedures, such as use of drills rather than impact tools, shall be used whenever feasible.

Timing/Implementation: Implemented prior to approval of grading and/or building permits
Enforcement/Monitoring: City of Yuba City Community Development Services Department

Implementation of mitigation measures 1(a) would help to reduce construction-generated noise levels.

Recommended Condition of Approval

Prior to approval of project improvement plans, the plans for the proposed project shall show that the southern area of the project site shall be shielded from SR-20 through the use of minimum 6-foot-tall sound walls per the approval of the City Engineer. Sound wall may include a combination of earthen berm and masonry wall to achieve the required wall height. Wall heights shall be measured relative to either pad or roadway centerline elevations, whichever is higher. The approximate locations of these barriers are shown on **Figure 5**. Other types of barrier may be employed but shall be reviewed by an acoustical engineer prior to being constructed.

Additionally, the proposed residential buildings located along the SR-20 frontage shall be designed to achieve an interior noise level of 45 dBA L_{dn}. **Figure 6** shows the locations of facades requiring acoustic upgrades. **Figure 6** and **Appendix D** provide an estimate of interior noise control measures required to meet the applicable standards. It should be noted that interior noise control measures are based upon an estimate of the future residence layouts. These assumptions should be verified once floor plans become available for an accurate assessment of interior noise control measures.

Impact 2: ***Would the project generate excessive groundborne vibration or groundborne noise levels?***

Construction vibration impacts include human annoyance and building structural damage. Human annoyance occurs when construction vibration rises significantly above the threshold of perception. Building damage can take the form of cosmetic or structural.

The **Table 6** data indicate that construction vibration levels anticipated for the project are less than the 0.2 in/sec threshold at distances of 26 feet. Sensitive receptors which could be impacted by construction related vibrations, especially vibratory compactors/rollers, are located further than 26 feet from typical construction activities. At distances greater than 26 feet construction vibrations are not predicted to exceed acceptable levels. Additionally, construction activities would be temporary in nature and would likely occur during normal daytime working hours.

This is a **less-than-significant** impact and no mitigation is required.

Impact 3: ***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?***

There are no airports within two miles of the project vicinity. Therefore, this impact is not applicable to the proposed project.

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Appendix A: Acoustical Terminology

Acoustics	The science of sound.
Ambient Noise	The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.
ASTC	Apparent Sound Transmission Class. Similar to STC but includes sound from flanking paths and correct for room reverberation. A larger number means more attenuation. The scale, like the decibel scale for sound, is logarithmic.
Attenuation	The reduction of an acoustic signal.
A-Weighting	A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.
Decibel or dB	Fundamental unit of sound, A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.
CNEL	Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by +5 dBA and nighttime hours weighted by +10 dBA.
DNL	See definition of Ldn.
IIC	Impact Insulation Class. An integer-number rating of how well a building floor attenuates impact sounds, such as footsteps. A larger number means more attenuation. The scale, like the decibel scale for sound, is logarithmic.
Frequency	The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz (Hz).
Ldn	Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.
Leq	Equivalent or energy-averaged sound level.
Lmax	The highest root-mean-square (RMS) sound level measured over a given period of time.
L(n)	The sound level exceeded a described percentile over a measurement period. For instance, an hourly L50 is the sound level exceeded 50% of the time during the one-hour period.
Loudness	A subjective term for the sensation of the magnitude of sound.
NIC	Noise Isolation Class. A rating of the noise reduction between two spaces. Similar to STC but includes sound from flanking paths and no correction for room reverberation.
NNIC	Normalized Noise Isolation Class. Similar to NIC but includes a correction for room reverberation.
Noise	Unwanted sound.
NRC	Noise Reduction Coefficient. NRC is a single-number rating of the sound-absorption of a material equal to the arithmetic mean of the sound-absorption coefficients in the 250, 500, 1000, and 2,000 Hz octave frequency bands rounded to the nearest multiple of 0.05. It is a representation of the amount of sound energy absorbed upon striking a particular surface. An NRC of 0 indicates perfect reflection; an NRC of 1 indicates perfect absorption.
RT60	The time it takes reverberant sound to decay by 60 dB once the source has been removed.
Sabin	The unit of sound absorption. One square foot of material absorbing 100% of incident sound has an absorption of 1 Sabin.
SEL	Sound Exposure Level. SEL is a rating, in decibels, of a discrete event, such as an aircraft flyover or train pass by, that compresses the total sound energy into a one-second event.
SPC	Speech Privacy Class. SPC is a method of rating speech privacy in buildings. It is designed to measure the degree of speech privacy provided by a closed room, indicating the degree to which conversations occurring within are kept private from listeners outside the room.
STC	Sound Transmission Class. STC is an integer rating of how well a building partition attenuates airborne sound. It is widely used to rate interior partitions, ceilings/floors, doors, windows and exterior wall configurations. The STC rating is typically used to rate the sound transmission of a specific building element when tested in laboratory conditions where flanking paths around the assembly don't exist. A larger number means more attenuation. The scale, like the decibel scale for sound, is logarithmic.
Threshold of Hearing	The lowest sound that can be perceived by the human auditory system, generally considered to be 0 dB for persons with perfect hearing.
Threshold of Pain	Approximately 120 dB above the threshold of hearing.
Impulsive	Sound of short duration, usually less than one second, with an abrupt onset and rapid decay.
Simple Tone	Any sound which can be judged as audible as a single pitch or set of single pitches.

Appendix B: Continuous Ambient Noise Measurement Results

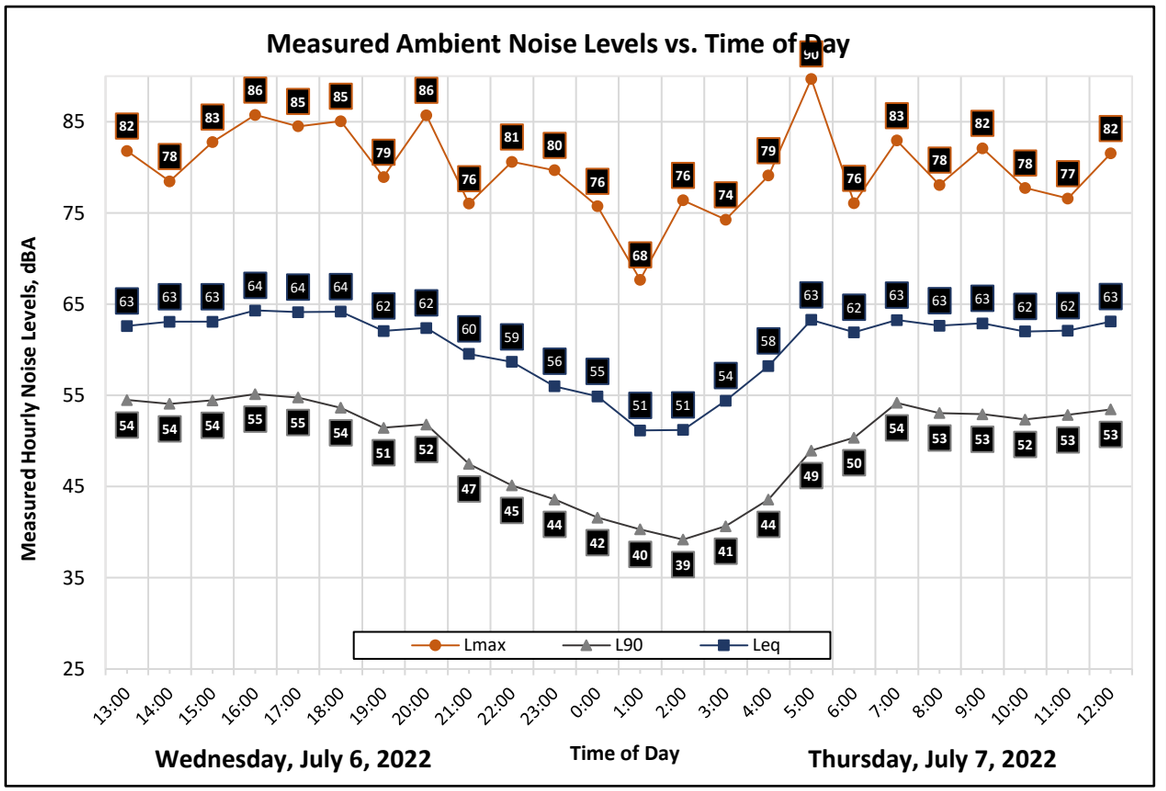


Appendix B1: Continuous Noise Monitoring Results

Site: LT-1
Project: Hooper Venture Apartments
Location: Western Project Boundary
Coordinates: 39.1418928°, -121.6669361°
Meter: LDL 820-1
Calibrator: CAL200

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Wednesday, July 6, 2022	13:00	63	82	60	54
Wednesday, July 6, 2022	14:00	63	78	61	54
Wednesday, July 6, 2022	15:00	63	83	61	54
Wednesday, July 6, 2022	16:00	64	86	61	55
Wednesday, July 6, 2022	17:00	64	85	61	55
Wednesday, July 6, 2022	18:00	64	85	60	54
Wednesday, July 6, 2022	19:00	62	79	59	51
Wednesday, July 6, 2022	20:00	62	86	58	52
Wednesday, July 6, 2022	21:00	60	76	56	47
Wednesday, July 6, 2022	22:00	59	81	53	45
Wednesday, July 6, 2022	23:00	56	80	49	44
Thursday, July 7, 2022	0:00	55	76	47	42
Thursday, July 7, 2022	1:00	51	68	44	40
Thursday, July 7, 2022	2:00	51	76	42	39
Thursday, July 7, 2022	3:00	54	74	45	41
Thursday, July 7, 2022	4:00	58	79	52	44
Thursday, July 7, 2022	5:00	63	90	58	49
Thursday, July 7, 2022	6:00	62	76	60	50
Thursday, July 7, 2022	7:00	63	83	61	54
Thursday, July 7, 2022	8:00	63	78	60	53
Thursday, July 7, 2022	9:00	63	82	60	53
Thursday, July 7, 2022	10:00	62	78	60	52
Thursday, July 7, 2022	11:00	62	77	60	53
Thursday, July 7, 2022	12:00	63	82	60	53

Statistics	Leq	Lmax	L50	L90
Day Average	63	81	60	53
Night Average	58	78	50	44
Day Low	60	76	56	47
Day High	64	86	61	55
Night Low	51	68	42	39
Night High	63	90	60	50
Ldn	66	Day %		82
CNEL	66	Night %		18



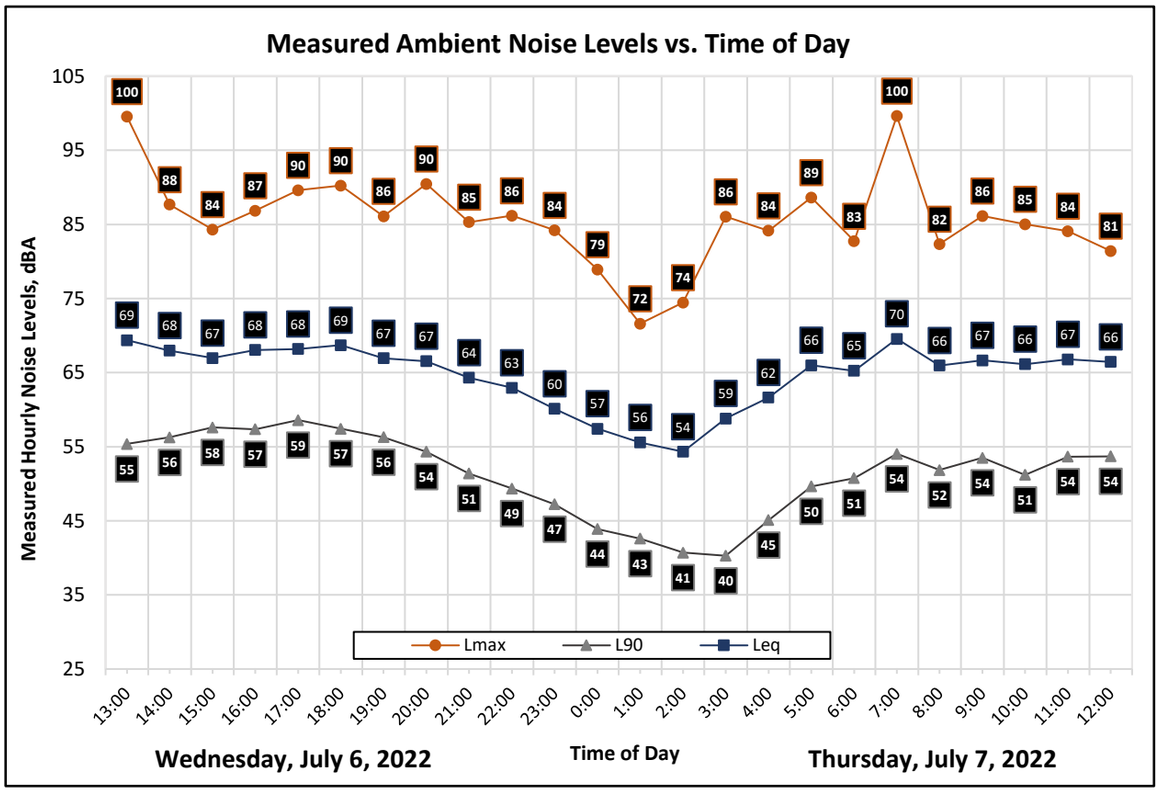


Appendix B2: Continuous Noise Monitoring Results

Site: LT-2
Project: Hooper Venture Apartments
Location: Eastern Project Boundary
Coordinates: 39.1418161°, -121.6626466°
Meter: LDL 820-2
Calibrator: CAL200

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Wednesday, July 6, 2022	13:00	69	100	64	55
Wednesday, July 6, 2022	14:00	68	88	65	56
Wednesday, July 6, 2022	15:00	67	84	64	58
Wednesday, July 6, 2022	16:00	68	87	65	57
Wednesday, July 6, 2022	17:00	68	90	65	59
Wednesday, July 6, 2022	18:00	69	90	64	57
Wednesday, July 6, 2022	19:00	67	86	63	56
Wednesday, July 6, 2022	20:00	67	90	62	54
Wednesday, July 6, 2022	21:00	64	85	59	51
Wednesday, July 6, 2022	22:00	63	86	57	49
Wednesday, July 6, 2022	23:00	60	84	55	47
Thursday, July 7, 2022	0:00	57	79	51	44
Thursday, July 7, 2022	1:00	56	72	50	43
Thursday, July 7, 2022	2:00	54	74	47	41
Thursday, July 7, 2022	3:00	59	86	48	40
Thursday, July 7, 2022	4:00	62	84	54	45
Thursday, July 7, 2022	5:00	66	89	60	50
Thursday, July 7, 2022	6:00	65	83	61	51
Thursday, July 7, 2022	7:00	70	100	63	54
Thursday, July 7, 2022	8:00	66	82	63	52
Thursday, July 7, 2022	9:00	67	86	63	54
Thursday, July 7, 2022	10:00	66	85	62	51
Thursday, July 7, 2022	11:00	67	84	63	54
Thursday, July 7, 2022	12:00	66	81	63	54

Statistics	Leq	Lmax	L50	L90
Day Average	67	88	63	55
Night Average	62	82	54	46
Day Low	64	81	59	51
Day High	70	100	65	59
Night Low	54	72	47	40
Night High	66	89	61	51
Ldn	70	Day %		86
CNEL	70	Night %		14





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Appendix C: Traffic Noise Calculation Inputs and Results



Appendix C-1
FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Project #: 220508
Description: Hooper Venture Apartments- Existing
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway	Segment	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No Offset 60 dBA	65 dBA	70 dBA	Level, dBA
1	Hooper Road	Colusa Frontage and Project Dwy	2,170	82	0	18	1.0%	1.0%	25	70	0	25	12	5	53.4
2	Colusa Frontage	West of Hooper Road	2,580	86	0	14	1.0%	1.0%	40	70	0	48	22	10	57.5
3	Colusa Frontage	East of West Project Dwy	1,370	84	0	16	1.0%	1.0%	40	280	0	33	15	7	46.1
4	Colusa Frontage	West of West Project Dwy	1,370	86	0	14	1.0%	1.0%	40	370	0	31	15	7	43.9
5	Colusa Frontage	East of El Margarita	1,410	90	0	10	1.0%	1.0%	40	70	0	29	13	6	54.2
6	El Margarita Road	Project Dwy and Jefferson Road	600	90	0	10	1.0%	1.0%	25	50	0	9	4	2	48.6
7	El Margarita Road	Colusa Frontage and Project Dwy	600	90	0	10	1.0%	1.0%	25	40	0	9	4	2	50.0
8	Hooper Road	Project Dwy and Jefferson Road	2,170	82	0	18	1.0%	1.0%	25	60	0	25	12	5	54.4

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Appendix C-2

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Project #: 220508
Description: Hooper Venture Apartments-Existing + Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway	Segment	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No Offset 60 dBA	65 dBA	70 dBA	Level, dBA
1	Hooper Road	Colusa Frontage and Project Dwy	2,220	82	0	18	1.0%	1.0%	25	70	0	26	12	6	53.5
2	Colusa Frontage	West of Hooper Road	2,750	86	0	14	1.0%	1.0%	40	70	0	50	23	11	57.8
3	Colusa Frontage	East of West Project Dwy	1,800	84	0	16	1.0%	1.0%	40	280	0	40	18	9	47.3
4	Colusa Frontage	West of West Project Dwy	1,570	86	0	14	1.0%	1.0%	40	370	0	34	16	7	44.5
5	Colusa Frontage	East of El Margarita	1,930	90	0	10	1.0%	1.0%	40	70	0	35	16	8	55.5
6	El Margarita Road	Project Dwy and Jefferson Road	600	90	0	10	1.0%	1.0%	25	50	0	9	4	2	48.6
7	El Margarita Road	Colusa Frontage and Project Dwy	670	90	0	10	1.0%	1.0%	25	40	0	9	4	2	50.5
8	Hooper Road	Project Dwy and Jefferson Road	2,230	82	0	18	1.0%	1.0%	25	60	0	26	12	6	54.5

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Appendix C-3

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Project #: 220508
Description: Hooper Venture Apartments - Cumulative
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway	Segment	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No Offset 60 dBA	65 dBA	70 dBA	Level, dBA
1	Hooper Road	Colusa Frontage and Project Dwy	3,600	82	0	18	1.0%	1.0%	25	70	0	35	16	8	55.6
2	Colusa Frontage	West of Hooper Road	5,090	86	0	14	1.0%	1.0%	40	70	0	75	35	16	60.5
3	Colusa Frontage	East of West Project Dwy	3,250	84	0	16	1.0%	1.0%	40	280	0	59	27	13	49.8
4	Colusa Frontage	West of West Project Dwy	3,250	86	0	14	1.0%	1.0%	40	370	0	56	26	12	47.7
5	Colusa Frontage	East of El Margarita	2,720	90	0	10	1.0%	1.0%	40	70	0	44	21	10	57.0
6	El Margarita Road	Project Dwy and Jefferson Road	1,360	90	0	10	1.0%	1.0%	25	50	0	15	7	3	52.1
7	El Margarita Road	Colusa Frontage and Project Dwy	1,360	90	0	10	1.0%	1.0%	25	40	0	15	7	3	53.6
8	Hooper Road	Project Dwy and Jefferson Road	3,600	82	0	18	1.0%	1.0%	25	60	0	35	16	8	56.6

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Appendix C-4

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Project #: 220508
Description: Hooper Venture Apartments - Cumulative + Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway	Segment	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No Offset 60 dBA	65 dBA	70 dBA	Level, dBA
1	Hooper Road	Colusa Frontage and Project Dwy	3,650	82	0	18	1.0%	1.0%	25	70	0	36	17	8	55.6
2	Colusa Frontage	West of Hooper Road	5,240	86	0	14	1.0%	1.0%	40	70	0	77	36	17	60.6
3	Colusa Frontage	East of West Project Dwy	3,720	84	0	16	1.0%	1.0%	40	280	0	64	30	14	50.4
4	Colusa Frontage	West of West Project Dwy	3,450	86	0	14	1.0%	1.0%	40	370	0	58	27	13	47.9
5	Colusa Frontage	East of El Margarita	3,270	90	0	10	1.0%	1.0%	40	70	0	50	23	11	57.8
6	El Margarita Road	Project Dwy and Jefferson Road	1,360	90	0	10	1.0%	1.0%	25	50	0	15	7	3	52.1
7	El Margarita Road	Colusa Frontage and Project Dwy	1,440	90	0	10	1.0%	1.0%	25	40	0	16	7	3	53.8
8	Hooper Road	Project Dwy and Jefferson Road	3,660	82	0	18	1.0%	1.0%	25	60	0	36	17	8	56.6

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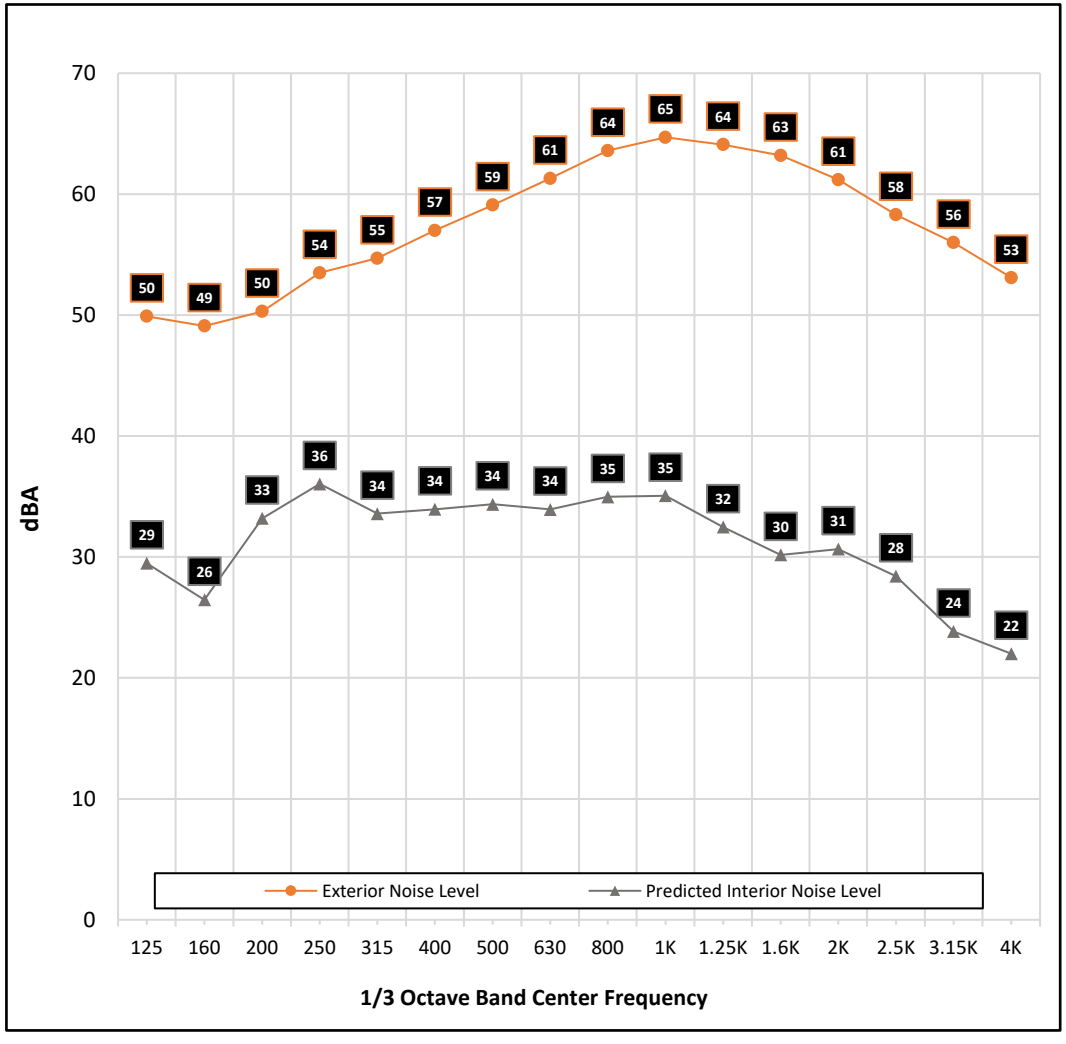
Appendix D: Exterior to Interior Noise Reduction Calculations

Appendix D1: Interior Noise Calculation Sheet

Project: Hooper Ventures Apartments
Room Description: Bedroom

Inputs		
Parallel Exterior level, dBA:	72.0	Ldn
Correction Factor, dBA:	5.0	
Noise Source:	Freeway Traffic	
Room Perimeter, ft:	40.0	
Room Area, ft:	100.0	
Room Height, ft:	9.0	
Transmitting Panel Length, ft:	20.0	
Glazing Area, ft:	24.0	
Ceiling Finish:	Gyp Board	
Ceiling, sf:	100	
Wall Finish 1:	Gyp Board	
Wall Finish 1, sf:	336	
Wall Finish 2:	Glass	
Wall Finish 2, sf:	24	
Floor:	Vinyl Plank	
Floor, sf:	100	
Misc. Finish:	Soft Furnishings	
Misc. Finish, sf:	25	
Transmitting Element 1:	Wall - 1-Coat Stucco, 5/8" gyp INSUL	
Element 1, sf:	156	
Transmitting Element 2:	Glazing - STC 32	
Element 2, sf:	24	
Transmitting Element 3:		
Element 3, sf:		
Transmitting Element 4:		
Element 4, sf:		

Predicted Interior Noise Level, dBA: 45
Noise Reduction, dBA: -27



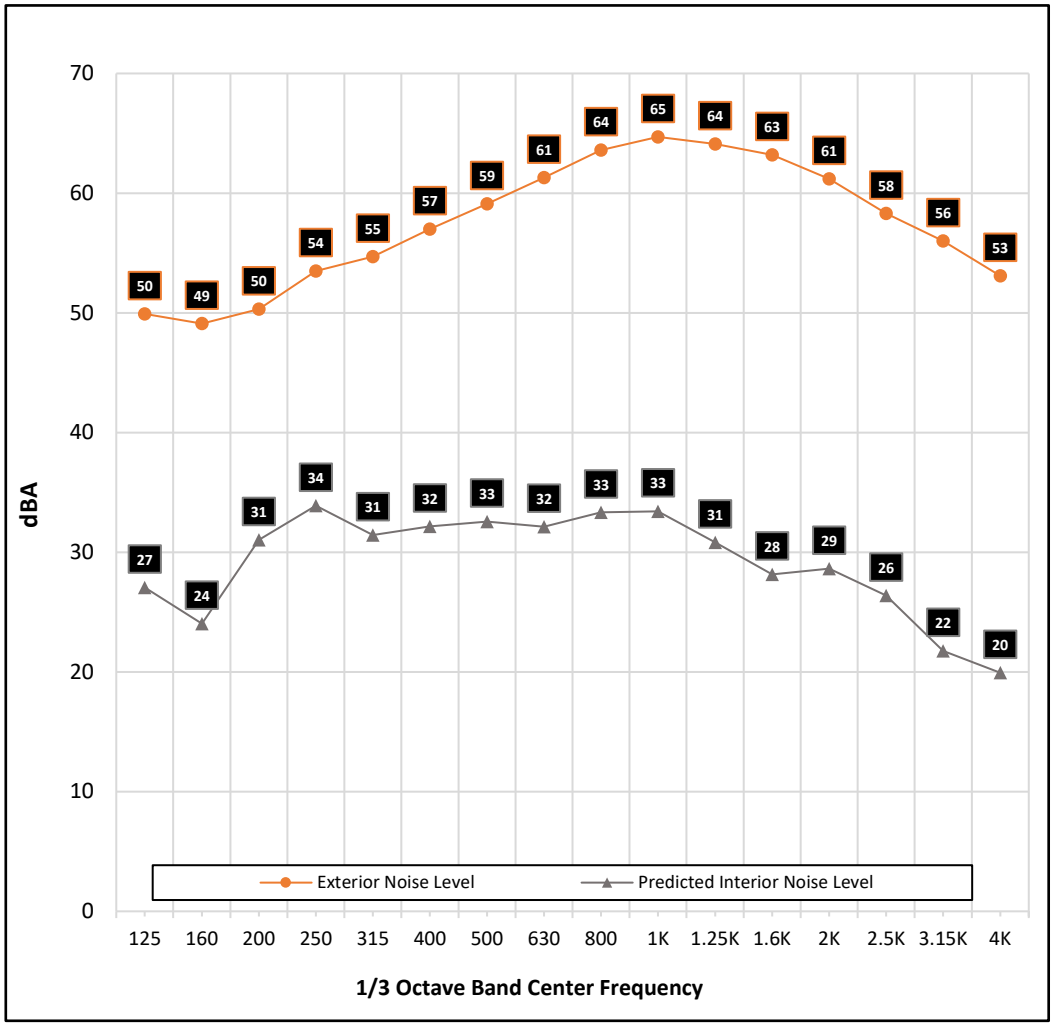
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Appendix D2: Interior Noise Calculation Sheet

Project: Hooper Ventures Apartments
Room Description: Living Room

Inputs		
Parallel Exterior level, dBA:	72.0	Ldn
Correction Factor, dBA:	5.0	
Noise Source:	Freeway Traffic	
Room Perimeter, ft:	64.0	
Room Area, ft:	240.0	
Room Height, ft:	9.0	
Transmitting Panel Length, ft:	20.0	
Glazing Area, ft:	24.0	
Ceiling Finish:	Gyp Board	
Ceiling, sf:	240	
Wall Finish 1:	Gyp Board	
Wall Finish 1, sf:	552	
Wall Finish 2:	Glass	
Wall Finish 2, sf:	24	
Floor:	Vinyl Plank	
Floor, sf:	240	
Misc. Finish:	Soft Furnishings	
Misc. Finish, sf:	25	
Transmitting Element 1:	Wall - 1-Coat Stucco, 5/8" gyp INSUL	
Element 1, sf:	156	
Transmitting Element 2:	Glazing - STC 32	
Element 2, sf:	24	
Transmitting Element 3:		
Element 3, sf:		
Transmitting Element 4:		
Element 4, sf:		

Predicted Interior Noise Level, dBA: 43
Noise Reduction, dBA: -29



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Appendix C

Trip Generation Analysis - Brownstone Estates (Formerly Henson Farms Apartments)

&

Transportation Impact Analysis For Henson Farms Apartments

Both Prepared by

Flecker Associates

Flecker Associates
Transportation Engineers

July 29, 2024

Mr. Mandeep Pabla
YC Hooper Ventures, LLC
4624 Duckhorn Drive
Sacramento, CA 95834

RE: TRIP GENERATION ANALYSIS – BROWNSTONE ESTATES (FORMERLY HENSON APARTMENTS), YUBA CITY, CA

Dear Mr. Pabla:

Flecker Associates (FA) has completed our trip generation comparative analysis for the Henson Ranch property, now referred to as Brownstone Estates in Yuba City. This memo has been requested to demonstrate to Caltrans that the proposed new project will generate fewer trips than the original project.

The original project consisted of 138 multifamily dwelling units. The site has been reconfigured to provide 54 single family residential units.

Trip Generation. The number of vehicle trips expected to be generated by development of the Henson Farms Apartments was estimated using typical trip generation rates for single family housing (Land Use 210). Applicable rates are published by the Institute of Transportation Engineers (ITE) in *Trip Generation, 11th Edition*. These rates are presented in Table 1. The proposed single family residential project is expected to generate 509 daily trips, with 38 trips in the a.m. peak hour and 51 trips in the evening p.m. peak hour.

The previous project application consisted of a 138-unit multifamily housing development – Low Rise Residential (Land Use 220); the Low Rise Residential designation considers multifamily buildings of three stories or less. Table 1 also presents the trip generation for the multifamily use. That project was projected to generate about 930 daily trips, 55 a.m. peak hour trips and about 70 p.m. peak hour trips.

Findings. The modification of the Brownstone Estates project, formerly Henson Ranch Apartments, will modify the site from a 138-unit multifamily residential project to a 54-unit single family subdivision. The revised project is expected to generate about 509 daily trips, 38 a.m. peak hour trips and 51 p.m. peak hour trips. The former project was projected to generate about 930 daily trips with 55 a.m. peak hour trips and 70 p.m. peak hour trips.

The proposed project will result in a net decrease of traffic, with about 421 fewer daily trips generated. The a.m. and p.m. peak hours are also expected to have a decrease in traffic, with about 17 fewer a.m. peak hour trips and 20 fewer p.m. peak hour trips.

TABLE 1
TRIP GENERATION RATES[1]

Land Use	Unit	Trip Per Unit						
		Daily	AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
Proposed Project								
Single Family Housing (LU 210)	dwelling	9.43	26%	74%	0.70	63%	37%	0.94
Brownstone Estates	54 du	**509**	10	28	**38**	32	19	**51**
Previous Project designation								
Multifamily Housing – Low Rise (LU 220)	dwelling	6.74	24%	76%	0.40	63%	37%	0.51
Henson Farms Apts	138 du	**930**	13	42	**55**	44	26	**70**
Net Difference Single Family Residential and Multifamily Residential								
Net Difference		**-421**			**-17**			**-20**

[1]*ITE Trip Generation*, 11th Edition
du – dwelling unit
numbers may not equal due to rounding

Should you have any questions please free to contact me at (916) 501-7513 or you may reach me via e-mail at jonathan@fa-transportation.com.

Sincerely,

.

Flecker Associates

Jonathan Flecker, P.E., T.E.
President

0 Trip Gen Comparison Henson Ranch 20240729

TRANSPORTATION IMPACT ANALYSIS

FOR

HENSON RANCH APARTMENTS

Yuba City, CA

Prepared For:

YC Hooper Ventures, LLC
4624 Duckhorn Drive
Sacramento, CA 95834

Prepared By:

KD Anderson & Associates, Inc.
3853 Taylor Road, Suite G
Loomis, CA 95650
(916) 660-1555

July 11, 2022

9531-01

Henson Ranch Apts.rpt

TRANSPORTATION IMPACT ANALYSIS FOR
HENSON RANCH APARTMENTS
Yuba City, CA

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KDA

TRANSPORTATION IMPACT ANALYSIS FOR
HENSON RANCH APARTMENTS
Yuba City, CA

INTRODUCTION

This report summarizes KD Anderson & Associates analysis of the potential transportation impacts and traffic operational effects associated with the Henson Ranch Apartment complex in Yuba City, California. The Henson Ranch Apartments are located north of State Route 20 between George Washington Blvd and Harter Parkway, as located regionally in Figure 1, and the proposed site plan is shown in Figure 2.

Project Description. Henson Ranch will occupy roughly seven acres located between Hooper Road and El Margarita Road. The project proposes 148 apartments directly south of a previously approved 96-lot single family residential subdivision. Access to the local circulation system is planned at a new full access driveway along N. Colusa Frontage Road between Hooper Road and El Margarita Road, and new driveways on Hooper Road and El Margarita Road. The driveways along Hooper Road and El Margarita Road will provide right-out only movements and provide emergency vehicle access.

Analysis Approach. The purpose of this analysis is to identify the potential impacts of the project under the California Environmental Quality Act and to evaluate the project's effects on local traffic operations within the requirements of City of Yuba City General Plan standards and policies. The analysis includes identification / evaluation of existing traffic circulation conditions in the area based on current a.m. and p.m. peak hour traffic volumes.

The extent to which improvements are already needed has been determined. The general characteristics of the proposed project have also been determined based on probable peak hour and daily trip generation, regional trip distribution and local trip assignment. The impact of the project on regional Vehicle Miles Traveled (VMT), alternative transportation modes and safety at Caltrans facilities have been assessed. Local traffic operational analysis identified resulting Levels of Service and queuing at study intersections under Existing plus Project conditions, and a long-term cumulative analysis assuming the City of Yuba City travel demand forecasting model's Market Absorption forecast has also been presented.

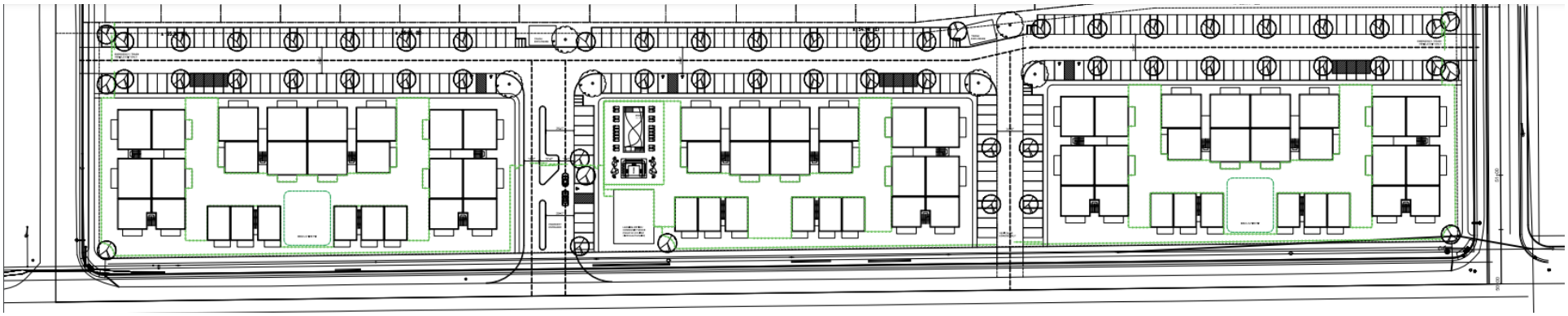


VICINITY MAP

KD Anderson & Associates, Inc.
Transportation Engineers

9531-01 RA 7/8/2022

figure 1



SITE PLAN

EXISTING SETTING

Existing Street System

Streets and Highways. Regional access to the Henson Ranch Apartments is provided by several major roads. Colusa Avenue (SR 20) connects the project with the Yuba City - Marysville urban area, with SR 99 to the east and with the balance of Sutter County to the west. Butte House Road links the project with northern Yuba City and the town of Sutter. Local access will initially be the SR 20 Colusa Frontage Road which links the site with SR 20 intersections at George Washington Blvd and with Harter Parkway. The text that follows describes these facilities, as well as other roads in the area of the project.

Colusa Avenue (State Route 20) is a major east-west route serving Yuba City and Marysville. In the vicinity of the project Colusa Avenue is a four-lane expressway with access limited to major signalized intersections and stop controlled side streets on appreciable spacing. The most recent traffic counts available from Caltrans suggest that in 2019 SR 20 carried an *Annual Average Daily Traffic (AADT)* volumes ranging from about 17,500 vehicles per day east of George Washington Blvd to 30,000 AADT west of Civic Center Blvd. Trucks comprise 6% of the daily traffic on this area of SR 20. The posted speed limits range from 65 mph west of George Washington Blvd to 60 mph from George Washington Blvd to El Margarita Road and 55 mph form that point to Tharp Road.

State Route 99 (SR 99) is the major north-south route through Yuba City. This four-lane facility is located about 2 miles east of the Harter Specific Plan area and is accessed via the signalized SR 20/SR 99 intersection. SR 99 carries about 33,500 AADT south of SR 20 and 22,800 to the north.

Harter Parkway is a north south "parkway" that today links Butte House Road with Colusa Avenue. Harter Pkwy is a four-lane facility along the area north of SR 20 to the Sacramento Northern Railroad (SNRR) line and narrows to two lanes near Butte House Road. To the south of SR 20 Harter Pkwy currently terminates along the River Valley HS frontage south of Lassen Blvd. Harter Pkwy will eventually be extended north to Pease Road and south to Bogue Road. The posted speed limit is 35 mph, and Harter Parkway is a designated STAA truck terminal route.

George Washington Blvd is a north-south Major Arterial street that extends southerly from SR 20 though Yuba City to an intersection on SR 113 in Sutter County. George Washington Blvd extends north of SR 20 for about 80 feet to an intersection with the Colusa Frontage Road. To the south George Washington Blvd is a two-lane rural roadway with a 45 mph speed limit that will eventually be widened to four lanes under the General Plan.

The ***N. Colusa Frontage Road*** is a two-lane local street that runs parallel to and north of the state highway from Township Road on the west to Harter Parkway on the east. Over the years portions of the frontage road have been made discontinuous or have been relocated away from the highway at intersecting streets. This is the case on Harter Parkway where the frontage road intersection is about 900 feet beyond SR 20. The posted speed limit is 40 mph.

Hooper Road is a two-lane north-south collector street that extends north from an intersection on the Colusa Frontage Road across Butte House Road to True Road. Hooper Road generally provides access to the residential area north of SR 20 and west of Harter Parkway. The posted speed limit is 25 mph.

El Margarita Road is a north-south street that extends south from SR 20 and north from the Colusa Frontage Road in the area of the project. The southern two-lane segment is designated a collector street extends from a traffic signal on SR 20 south to Franklin Road. The northern segment is a two-lane local street linking the Colusa Frontage Road and Jefferson Avenue.

Jefferson Avenue is a two-lane collector street that runs parallel to and south of the old railroad right-of-way from the area of Western Parkway east toward Harter Parkway. Today the roadway continues through the area of the project across Hooper Road to Ruth Avenue. Under the General Plan Jefferson Avenue will continue for another ¼ mile to Harter Parkway. The posted speed limit is 25 mph on Jefferson Avenue.

Monroe Road is a two-lane local east-west street that lies roughly midway between the Colusa Frontage Road and Jefferson Avenue and extends from Township Road to Hooper Road. Monroe Road intersects Hooper Road about 150 feet beyond the northern Henson Ranch access intersection.

Intersections. The operational analysis considers these intersections.

The ***SR 20 / George Washington Blvd intersection*** is controlled by a traffic signal that operates with "split" phasing on the George Washington Blvd approaches. SR 20 has two through travel lanes in each direction as well as separate left turn lanes and a dedicated westbound right turn lane. The northbound George Washington Blvd approach has a combined left+through lane and a "free" right turn lane. The southbound approach has a single lane that is wide enough (i.e., 28 feet) for automobiles to make right turns around through traffic queues. Crosswalks are marked on all four legs of the intersection, and accessible ramps / landings are provided on the east side of the intersection. Streetlights exist on all corners.

The ***George Washington Blvd / N. Colusa Frontage Road intersection*** is a "Tee" located 140 feet from SR 20 (i.e., centerline to centerline), and about 40-50 feet of storage is available between the two intersections. Each approach has a single travel lane, and traffic is controlled by stop signs on the N. Colusa Frontage Road approaches. There are sidewalks on the northeast corner of this intersection, and no crosswalks are marked at this location.

The ***Hooper Road / Jefferson Avenue intersection*** is controlled by an all-way stop. Each approach has a single travel lane. A crosswalk is marked on the north leg of the intersection. A portion of the Yuba-Sutter bike path begins just north of the intersection and continues west for 4½ miles to the community of Sutter.

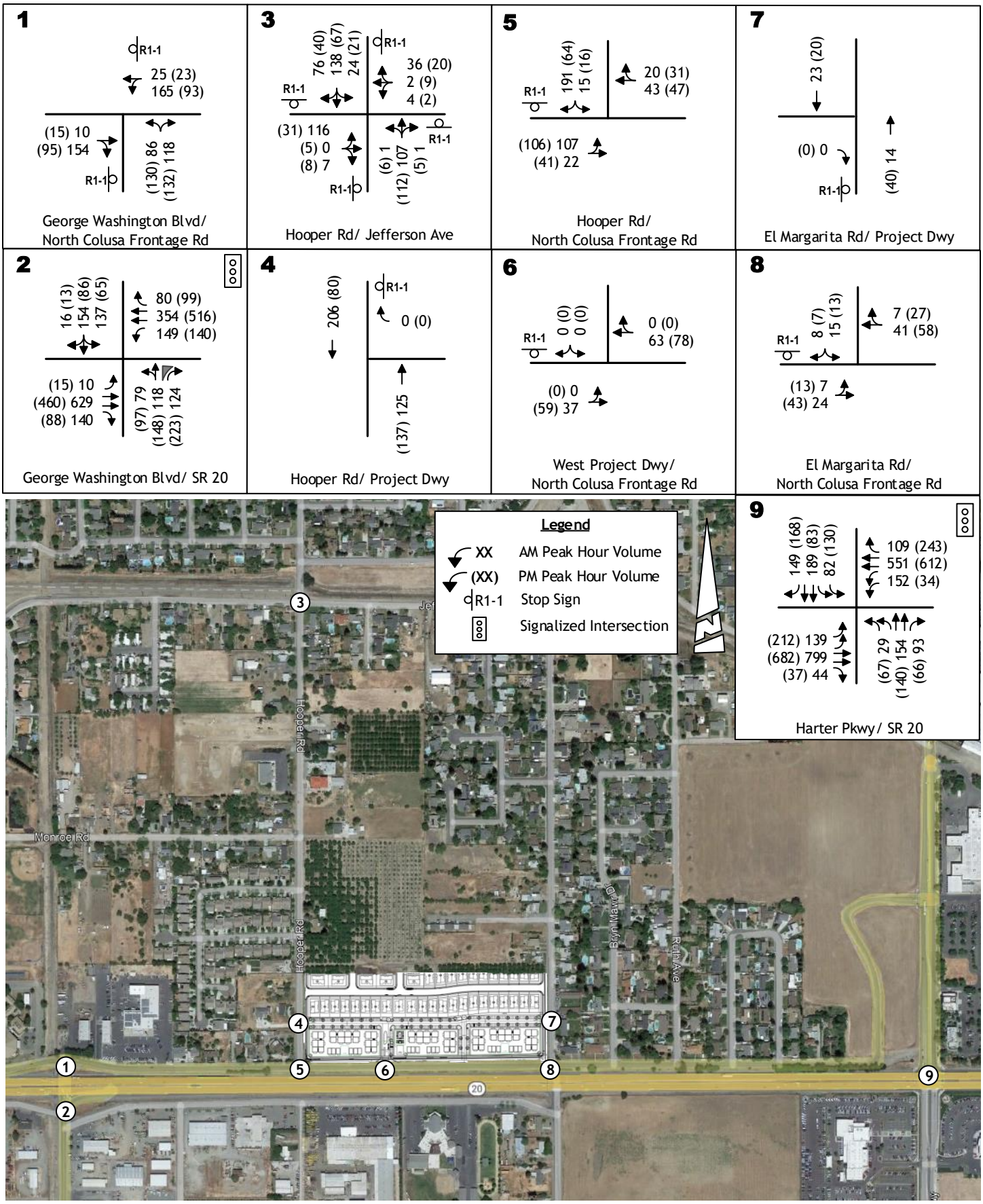
The ***Hooper Road / N. Colusa Frontage Road intersection*** is a "Tee" controlled by a stop sign on the southbound Hooper Road approach. Each approach has a single travel lane, and no crosswalks are marked.

The ***El Margarita Road / N. Colusa Frontage Road intersection*** is a "Tee" controlled by a stop sign on the southbound El Margarita Road approach. Each approach has a single travel lane, and no crosswalks are marked.

The ***SR 20 / Harter Parkway intersection*** is controlled by a traffic signal that operates with "protected" left turn phasing on each approach. SR 20 approaches and the Harter Parkway approaches have two through travel lanes as well as dual left turn lanes and right turn lanes. Crosswalks are marked on all four legs of the intersection, and accessible ramps / landings are provided on each corner. Streetlights exist on all corners.

Existing Traffic Volumes

Traffic Counts. Traffic counts assembled from recent traffic studies and new traffic counts completed in October 2021 as part of the Henson Ranch subdivision project were used as the basis of existing intersection turning movements volumes. Traffic count data collected in 2019 for the City of Yuba City's Impact Fee Update project was available for study area intersections on SR 20. Figure 3 presents the existing volumes at all study locations.



EXISTING TRAFFIC VOLUMES AND LANE CONFIGURATIONS

KD Anderson & Associates, Inc.
Transportation Engineers

9531-01 RA 7/8/2022

figure 3

Level of Service / 95th Percentile Queue Calculation

Level of Service. To quantitatively evaluate traffic conditions and to provide a basis for comparison of operating conditions with and without project generated traffic, Levels of Service were determined at study area intersections.

"Level of Service" (LOS) is a quantitative measure of traffic operating conditions whereby a letter grade "A" through "F" is assigned to an intersection. LOS "A" through "F" represents progressively worsening traffic conditions. The characteristics associated with the various LOS for intersections are presented in Table 1. The City of Yuba City General Plan has established LOS "D" measured over the peak hour as the minimum standard for City streets, with specific exceptions identified where conditions in excess of the LOS D standard will be acceptable. The Caltrans TCR for SR 20, however, identifies LOS E as the Concept LOS for the Harter Parkway intersection and points east.

Levels of Service were calculated for this study using the methodology contained in the *Highway Capacity Manual, 6th Edition (HCM)*. The overall Level of Service for intersections was determined based on the average length of delays for all motorists at signalized intersections. At unsignalized intersections the Level of Service was predicated on the length of the average delay experienced by motorists who must yield the right of way before turning or continuing through an intersection.

Level of Service was calculated using SYNCHRO 11.0 software except at the SR 20 / George Washington Blvd and George Washington Blvd / N. Colusa Frontage Road intersections. SimTraffic simulation was used at these two locations to account for the unconventional traffic control at the frontage road intersection and the short distance between intersections.

The SimTraffic software is intended to be a stochastic model (i.e., randomness is intentionally present when running the simulations). The results for each individual run will vary within each scenario and between scenarios, and this variation may result in some intersections having lower delays and/or shorter queues in the 'Plus Project' scenarios than in the 'No Project' scenarios. This is a normal occurrence for stochastic models, and it is not unexpected that delays or queues could improve at one intersection while increasing at other intersections. The simulation results contained herein reflect the average of the mean 8 simulation runs selected from a 10-run sample.

Peak Period Queues. Queues created during peak periods at signalized intersections were identified. For this analysis 95th percentile queues were estimated at the SR 20 / George Washington Blvd intersection and frontage road intersection using SimTraffic software, while Synchro was used at SR 20 / Harter Parkway. 95th percentile queues would not necessarily be the longest queue occurring during the peak period but would represent queues with length that is exceeded only 5% of the time. While the City of Yuba City has not adopted significance criteria for queueing, it is commonly accepted that queue's length that extend beyond the limits of available turn lane storage and interfere with through traffic represent a potential safety conflict.

TABLE 1 LEVEL OF SERVICE DEFINITIONS			
Level of Service	**Signalized Intersection**	**Unsignalized Intersection**	**Roadway (Daily)**
"A"	Uncongested operations, all queues clear in a single-signal cycle. Delay ≤ 10.0 sec	Little or no delay. Delay ≤ 10 sec/veh	Completely free flow.
"B"	Uncongested operations, all queues clear in a single cycle. Delay > 10.0 sec and ≤ 20.0 sec	Short traffic delays. Delay > 10 sec/veh and ≤ 15 sec/veh	Free flow, presence of other vehicles noticeable.
"C"	Light congestion, occasional backups on critical approaches. Delay > 20.0 sec and ≤ 35.0 sec	Average traffic delays. Delay > 15 sec/veh and ≤ 25 sec/veh	Ability to maneuver and select operating speed affected.
"D"	Significant congestions of critical approaches but intersection functional. Cars required to wait through more than one cycle during short peaks. No long queues formed. Delay > 35.0 sec and ≤ 55.0 sec	Long traffic delays. Delay > 25 sec/veh and ≤ 35 sec/veh	Unstable flow, speeds and ability to maneuver restricted.
"E"	Severe congestion with some long-standing queues on critical approaches. Blockage of intersection may occur if traffic signal does not provide for protected turning movements. Traffic queue may block nearby intersection(s) upstream of critical approach(es). Delay > 55.0 sec and ≤ 80.0 sec	Very long traffic delays, failure, extreme congestion. Delay > 35 sec/veh and ≤ 50 sec/veh	At or near capacity, flow quite unstable.
"F"	Total breakdown, stop-and-go operation. Delay > 80.0 sec	Intersection blocked by external causes. Delay > 50 sec/veh	Forced flow, breakdown.
Sources: Highway Capacity Manual, 6th Edition.			

Current Peak Hour Traffic Conditions

Current a.m. and p.m. peak hour Levels of Service were calculated at existing intersections selected by the City for inclusion in the analysis (Refer to Appendix for calculation worksheets) under "Existing" conditions, and the results are presented in Table 2. At signalized intersections current Caltrans traffic signal timing plans were obtained and employed for the analysis.

Level of Service. As shown, traffic conditions in the study area vary. Peak hour operating conditions at all of the two signalized study intersections meet the City's LOS D standard. The two approaches to the stop-controlled N. Colusa Frontage Road / George Washington Blvd intersection operate at LOS C in the morning and evening peak hours.

TABLE 2
EXISTING PEAK HOUR INTERSECTION LEVELS OF SERVICE

Intersection	Control	Min LOS[1]	AM Peak Hour		PM Peak Hour	
			Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS
N. Colusa Frontage Rd / George Washington Blvd[2]	EB/WB Stop	D	31.5	C	21.7	C
SR 20 / George Washington Blvd	Signal	D	31.7	C	20.8	C
Jefferson Ave / Hooper Road	AWS	D	10.0	B	7.9	A
N. Colusa Frontage Rd / Hooper Road	SB Stop	D	10.6	B	9.5	A
N. Colusa Frontage Rd / El Margarita Rd	SB Stop	D	8.9	A	9.3	A
SR 20 / Harter Parkway	Signal	E	16.9	B	15.9	B

[1] minimum LOS established by the City of Yuba City or Caltrans SR 20 TCR.

[2] Motorists waiting on the westbound and eastbound approaches experience total delays that is the sum of stopped delay at this intersection and the SB delay at SR 20 / George Washington Blvd intersection

Peak Hour 95th Percentile Queues. Table 3 presents current peak hour traffic volumes and 95th percentile queues identified from SimTraffic simulation. As shown, traffic on the N. Colusa Frontage Road approaches to the George Washington Blvd intersection creates queues during peak hour as motorists wait for a green indication on southbound George Washington Blvd at the SR 20 signal. The estimated 95th percentile queues are consistent with observation of morning peak period before classes began at River Valley HS. An 8-vehicle westbound queue was observed at that time. However, the traffic signal accommodated the queues each time, and no motorist was required to sit thru more than one signal cycle. No safety issues were observed.

TABLE 3
EXISTING PEAK HOUR INTERSECTION 95th PERCENTILE QUEUE LENGTHS

Intersection	Lane	Storage (feet)	AM Peak Hour Volume (vph)	AM Peak Hour 95th % Queue (feet)	PM Peak Hour Volume (vph)	PM Peak Hour 95th % Queue (feet)
N. Colusa Frontage Rd / George Washington Blvd[1]	WB	-	190	160	116	110
	EB	-	164	165	110	120
SR 20 / George Washington Blvd	EB left	285	10	40	15	40
	WB left	215	149	80	140	160
	SB thru+left	40[2]	291	**75**[3]	151	**85**[3]
	NB thru+left	130[2]	197	**215**	245	**235**
SR 20 / Harter Parkway	EB left	600	139	65	212	80
	WB left	575	152	70	34	20
	SB left	500	82	45	130	55
	NB left	170	29	<25	67	35

[1] queues are the sum of estimated queues on the Southbound George Washington Blvd approach in excess of available storage and the N. Colusa Frontage Road approach queues
[2] separation between crosswalk and frontage road intersection
[3] simulation report value. No vehicles were observed to extend into the frontage road intersection.

BOLD values exceed storage or extend beyond next intersection

Collison History. Recent collision history for key intersections was obtained from the California Highway Patrol (CHP), review and assessed. Table 4 summarizes the results over the last 5 years at intersections on SR 20.

TABLE 4
YEAR 2016 -2020 COLLISION HISTORY

Location	2016 total	2016 inj	2017 total	2017 inj	2018 total	2018 inj	2019 total	2019 inj	2020 total	2020 inj	Total total	Total inj
SR 20 / George Washington Blvd	4	3	5	3	3	1	5	2	2	2	18[2]	13
George Washington Blvd / N. Colusa Frontage Rd	2	1[1]	0	0	0	0	1	1[1]	0	0	2	2
SR 20 / Harter Parkway	6	6	5	5	8	2	5	4	3	3	27[3]	20
N. Colusa Frontage / Hooper Rd	1	1	1	0	0	0	1	1	0	0	3	2

[1] rear end collision related to speeding
[2] collision frequency 18,000,000 / 5/365/21,500 entering vehicles = 0.46 acc/MV
[3] collision frequency 27,000,000 / 5/365/29,750 entering vehicles = 0.51 acc/MV
Statewide average is 0.50 for total collisions at rural signalized intersections (Group 05), with injury / fatal accidents representing 37% of the total

Equivalent annual collision frequency rates were calculated for intersections on SR 20, and the results were compared to statewide averages for similar facilities (i.e., 0.50 acc/mv). The recent overall collision frequency is similar to the statewide average, however the share of those collisions that cause injuries is higher than average.

On the N. Colusa Frontage Road two rear-end collisions occurred relating to speeding.

Alternative Transportation Modes

The text which follows outlines facilities for pedestrians, bicyclists and transit riders in the area of the project.

Pedestrians. Sidewalks are rare in the area of the proposed project but have been provided as new development has completed frontage improvements. Typically pedestrians walk along the paved shoulders on major roads and on unimproved shoulders on local streets. Table 5 summarizes available pedestrian facilities.

TABLE 5
STUDY AREA PEDESTRIAN FACILITIES

Street	Location	Side	Description
Hooper Road	N. Colusa Frontage Rd to Jefferson Avenue	east	none
		west	500 feet along adjacent subdivision
N. Colusa Frontage Rd	George Washington Blvd to Hooper Rd	south	None
		north	600 feet along existing auto dealer
	Hooper Road to Harter Pkwy	south	None
		north	None
El Margarite Road	N. Colusa Frontage Rd to Jefferson Avenue	east	None
		west	550 feet along adjacent subdivision

Bicycles. The Yuba City Bicycle Master Plan (2011) identifies existing and planned facilities for this transportation mode under these classifications:

- Class 1 Bicycle Path – a facility separated from other vehicular traffic
- Class 2 Bicycle Lanes – a paved lane along a street striped for the exclusive use of bicycles
- Class 3I Bicycle Route – a shared facility designated for bicycle use

Table 6 identifies existing and planned bicycle facilities in the area of the proposed project.

TABLE 6 STUDY AREA BICYCLE FACILITIES			
Street	**Location**	**Side**	**Description**
Existing			
Yuba Sutter Bike path	Acacia Avenue to Hooper Road	-	Class 1 Path
Hooper Rd	N. Colusa Frontage Rd to Butte House Road	Both	Class 2 Lanes
Jefferson Ave	Western Parkway to Stonegate Drive	Both	Class 2 lanes
Planned			
Railroad ROW	Hooper Road to Bridge Street	-	Class 1 Path
George Washington Blvd	SR 20 to Bogue Road	Both	Class 2 Lanes
Harter Parkway	Butte House Road to Lassen Blvd	Both	Class 2 Lanes
N. Colusa Frontage Rd	Western Parkway to Harter Parkway	Both	Class 2 Lanes
Jefferson Avenue	Stonegate Drive to Hooper Road	-	Class 3 Route
Source: Yuba City Bicycle Master Plan, 2011			

Transit Services. The Yuba City area is served by Yuba Sutter Transit. Fixed route service is provided via routes 1 (Yuba City to Yuba College) and 5 (South Yuba City to North Yuba City). These routes travel on 30 minute and 60 minute headways on Harter Parkway in the area between Butte House Road and SR 20 with a designated stop at the Harter Parkway / Colusa Frontage Road intersection (Walmart). That stop is roughly ¾ mile from the project site via the N. Colusa Frontage Road.

Yuba-Sutter Dial-A-Ride offers curb-to-curb shared ride service to eligible passengers anywhere within its service area. The Henson Rach Apartments are within the current service area. This service is available from 6:30 a.m. to 9:30 p.m. on weekdays and from 8:30 a.m. to 5:30 p.m. on Saturdays. No service is provided on Sundays or holidays.

PROJECT CHARACTERISTICS

Project Description

The text that follows describes the characteristics of the project in terms of automobile trip generation and distribution.

Trip Generation. The number of vehicle trips that are expected to be generated by development of the Henson Ranch Apartments can be estimated using typical trip generation rates for multifamily housing – Low Rise Apartments; these are buildings of three stories or less. Applicable rates are published by the Institute of Transportation Engineers (ITE) in *Trip Generation Manual, 11th Edition*. These rates are presented in Table 7, and as shown the proposed project is expected to generate 998 daily trips, with 59 trips in the a.m. peak hour and 75 trips in the evening p.m. peak hour.

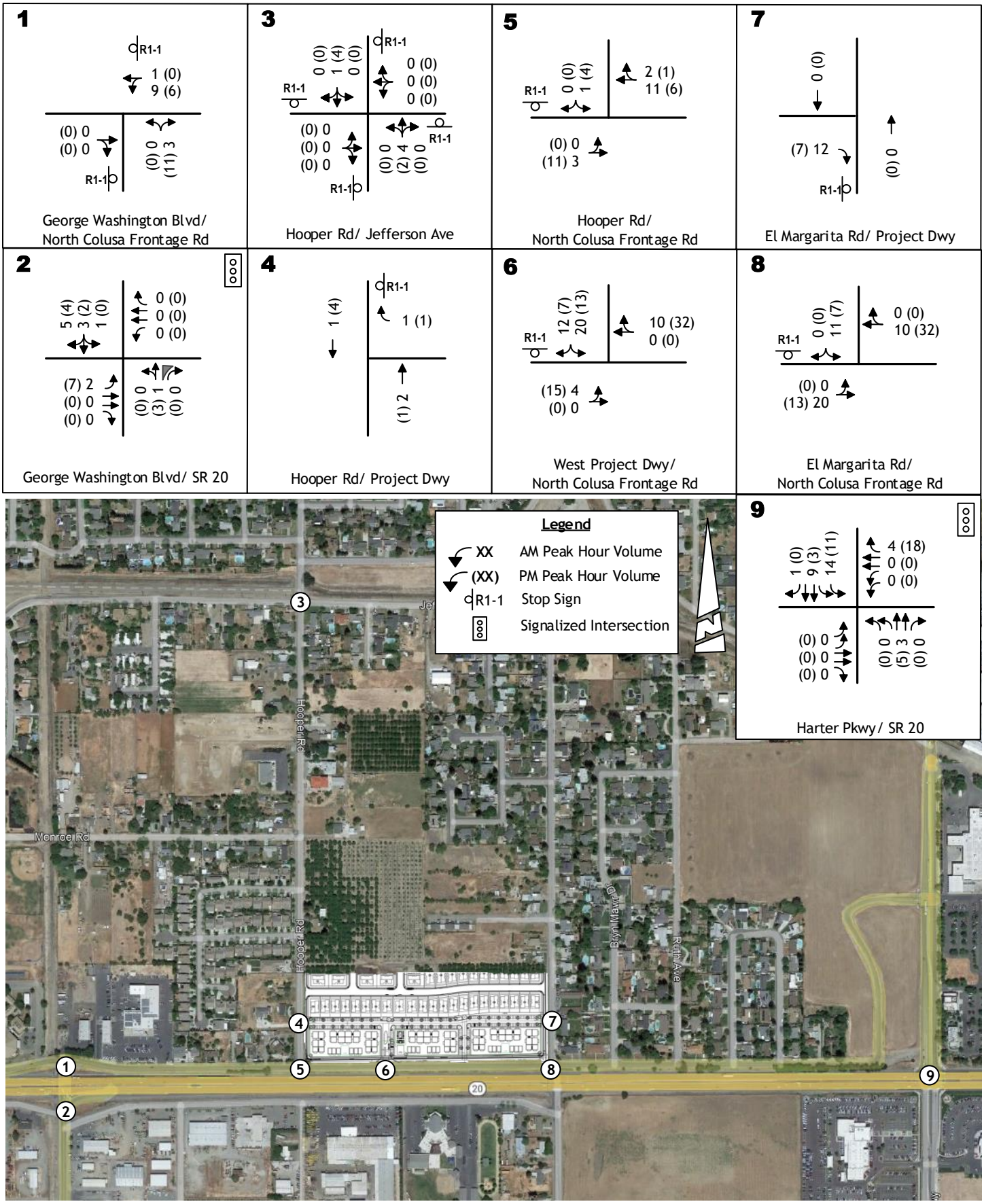
TABLE 7
TRIP GENERATION RATES

Land Use	Unit	Trip Per Unit						
			AM Peak Hour			PM Peak Hour		
		Daily	In	Out	Total	In	Out	Total
Multifamily Housing – Low Rise	dwelling	6.74	24%	76%	0.40	63%	37%	0.51
Henson Ranch Apts	148 du	998	14	45	59	48	28	75

Trip Distribution. The regional distribution of project trips was derived from "select link" analysis using an available version of the City of Yuba City's regional travel demand forecasting model, however manual adjustments were made to account for factors that are not readily reflected in regional model results (i.e., a.m. peak hour school traffic). The results are shown in Table 8. The distribution assumptions vary between a.m. and p.m. peak hour primarily due to the location of community schools. Variation also occurs between current and long-term conditions, primarily due to the extension of major north-south streets.

TABLE 8 PROJECT TRIP DISTRIBUTION ASSUMPTIONS					
Direction	**Route**	**Percentage**			
		AM Peak Hour		**PM Pak Hour**	
		Current	**Future**	**Current**	**Future**
North	Hooper Rd	8%	4%	8%	7%
	Harter Parkway beyond N. Colusa Frontage Rd	13%	16%	15%	17%
East	SR 20 beyond Harter Pkwy	30%	28%	38%	33%
	Yuba City Marketplace (Walmart)	3%	3%	5%	5%
South	George Washington Blvd	6%	12%	7%	11%
	El Margarita Rd	5%	5%	2%	2%
	Harter Pkwy	20%	21%	10%	16%
West	SR 20 beyond George Washington Blvd	12%	7%	15%	8%
	N. Colusa Frontage Rd beyond George Washington Blvd	3%	3%	0%	0%
	Jefferson Ave beyond Hooper Rd	0%	1%	0%	1%
Total		**100%**	**100%**	**100%**	**100%**

Trip Assignment. The projects were assigned to the study area circulation system based on the access identified in the tentative map and the least time path between residences in the apartment complex and identified destinations. "Project only" traffic under this scenario is presented in Figure 4.



PROJECT ONLY TRAFFIC VOLUMES AND LANE CONFIGURATIONS

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Transportation Engineers

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figure 4

CEQA TRANSPORTATION IMPACTS

This report section identifies transportation impact under current CEQA requirements and Caltrans transportation analysis guidelines.

Vehicle Miles Traveled Analysis

Vehicle Miles Traveled (VMT) refers to the amount and distance of vehicle travel attributable to a project. VMT generally represents the number of vehicle trips generated by a project multiplied by the average trip length for those trips. For CEQA transportation impact assessment, VMT shall be calculated using the origin-destination VMT method, which accounts for the full distance of vehicle trips with one end from the project.

Process. Because Yuba City has not yet adopted guidelines for addressing VMT impacts for land development projects in compliance with CEQA Guidelines Section 15064.3, guidance provided in the Governor's Office of Planning and Research (OPR) technical directive on CEQA has been employed. The directive addresses several aspects of VMT impact analysis, and is organized as follows:

- ***Screening Criteria***: Screening criteria are intended to quickly identify when a project should be expected to cause a less-than-significant VMT impact without conducting a detailed study.

- ***Significance Thresholds***: Significance thresholds define what constitutes an acceptable level of VMT and what is considered a significant level of VMT requiring mitigation.

- ***Analysis Methodology***: These are the procedures and tools for producing VMT forecasts to use in the VMT impact assessment.

- ***Mitigation***: Projects that are found to have a significant VMT impact based on the County's significance thresholds are required to implement mitigation measures to reduce impacts to a less than significant level (or to the extent feasible).

Screening Criteria. Screening criteria can be used to quickly identify whether sufficient evidence exists to presume a project will have a less than significant VMT impact without conducting a detailed study. However, each project should be evaluated against the evidence supporting that screening criteria to determine if it applies. Projects meeting at least one of the criteria below can be presumed to have a less than significant VMT impact, absent substantial evidence that the project will lead to a significant impact.

The following screening criteria have been reviewed. The extent to which the proposed project qualifies under each criterion is also noted.

- ***Small Projects:*** Defined as a project that generates 110 or fewer average daily vehicle trips or less than 880 VMT on a typical day.

Assessment: The proposed project is estimated to generate 944 vehicle trips per day. As this value exceeds the 110 daily trip threshold, the Henson Ranch Apartments does not qualify under this metric.

Conclusion. This criterion does not apply to the project.

- ***Affordable Housing:*** Defined as a project consisting of deed-restricted affordable housing.

  Conclusion. The proposed project is a residential use but is not proposed to include Below Market Rate housing. This screening criteria does not apply.

- ***Locations Served by High Quality Transit***: Projects within ½ mile of "high quality" transit can be presumed to have a less than significant impact on regional VMT. High quality transit is defined as headways of 15 minutes or less.

  Assessment: The proposed project is more than 1.2 mile from the Yuba Sutter Transit stop on Harter Parkway and current service does not meet the 15-minute headway requirements.

  Conclusion. The proposed project is not in an area served by high quality transit.

Overall, the project does not qualify under any screening criterion, and additional assessment is required.

Projects in Low VMT-Generating Area. This evaluation criteria is defined as a residential or office project that is in a VMT efficient area where regional VMT reduction goals are already satisfied. The project must be consistent in size and land use type (i.e., density, mix of uses, transit accessibility, etc.) as the surrounding built environment.

The Sacramento Area Council of Governments (SACOG) has identified ***Low VMT generating locations*** within this region, including Yuba City. The Henson Ranch Apartments location within SACOG region was determined, and the per capita VMT characteristics of the existing residences in this area of Yuba City was identified, as noted in Table 9. As shown, the SACOG regional average per capita VMT rate for residences is 20.82 vehicles miles per day. The location primarily containing the Henson Ranch Apartments has a rate of 13.59, split about halfway between Hex CK-65 and CK-66. The OPR recommended goal would be a 15% reduction from the regional average, or 17.70. Thus, the project is located in a defined Low VMT generating region that meets the goal, and the project's impact can be presumed to be less than significant under this screen line criteria.

TABLE 9 VMT ANALYSIS RESULTS				
Per Capita VMT			Henson Ranch Reduction from Average	Regional Goal Met?
SACOG Regional Average	15% Reduction Goal	Henson Ranch		
20.82	17.70	13.59	35%	Yes

Multi-Modal Plan Consistency

The significance of the project's Multi-Modal impacts is discussed in the text which follows.

Transit Service and Facilities. As no fixed route transit service runs along North Colusa Road in the area of the project today nor is planned in the future, the project does not physically disrupt an existing transit service or facility nor interfere with implementation of a planned transit service or facility. The project's traffic contribution to streets near the Walton Avenue Transfer Center would be too slight to result in increased travel time for busses that adversely affects system on-time performance. The project could result in use of the dial-a-ride service operated by Yuba-Sutter Transit, but the project would not result in increased transit ridership demands that result in passenger loads that exceed vehicle loading standards. As the project access is not adjacent to any Transit facility and demand response service can be loaded and unloaded on site, the project does not result in increased potential for safety conflicts involving transit vehicles and other modes of travel.

Conclusion. The project's impact to Transit Service and Facilities is not significant.

Bicycle Facilities. The project will construct frontage improvements along North Colusa Frontage Road, Hooper Road and El Margarita Road that are consistent with City standards. By designing and constructing these improvements to Yuba City standards, the project does not physically disrupt an existing bicycle facility or interfere with implementation of any planned facilities. Some project residents may elect to ride bicycles to the community attractions such as local schools and retail areas. The Yuba City Bicycle Master Plan reported census data that indicated that 0.22% of community commuters ride bicycles, and bicycles capture 1.46% of the total commute – school travel. Within the area of the Henson Ranch Apartments, River Valley HS on South Colusa Frontage Road, Terra Buena ES on Villa Avenue and Faith Christian School on N. Colusa Frontage Road could attract cyclists. If 2% of the project's daily person trips related to this activity was made by bicycle, then 20 to 30 additional bicycle trips might be added to the area circulation system. The project would not result in a significant increase in bicyclists on a facility that does not have adequate bicycle facilities, such that conflicts between bicyclists and other travel modes are likely to increase.

Conclusion. The project's impact to Bicycle Facilities is not significant.

Pedestrian Facilities. The project's frontage improvements on North Colusa Frontage Road, Hooper Road and El Margarita Road include sidewalks which provide accessible and safe pedestrian connections to adjacent streets. The project does not physically disrupt an existing pedestrian facility nor interfere with implementation of a planned pedestrian facility. Some commuters or students may walk to and from the site. Terra Buena ES is about ¾ mile north of the site via Hooper Road, and River City HS is about ¾ via Harter Parkway. If 2% of the project's trips were made on foot, then 20 to 30 additional pedestrians might be added to the area circulation system as part of commuting and school travel. The project does not result in an increased presence of vehicles and/or pedestrians on a facility that does not have adequate pedestrian facilities, such that conflicts between pedestrians and other travel modes are likely to increase.

Conclusion. The project's impact to Pedestrian Facilities is not significant.

General Plan Consistency. The project's consistency with General Plan policies other than LOS has not been reviewed as part of this analysis.

Roadway Design and Users. The improvements proposed to public streets are consistent with Yuba City design standards, which will be confirmed during improvement plan review. No deviation from standard is being requested. The project would increase traffic on the N. Colusa Frontage Road where rear end collisions have occurred. The project will contribute to cumulatively longer queues on westbound N. Colusa Frontage Road. A STOP AHEAD sign already exists about 600 feet from the intersection in advance of the curve on the frontage road. The City could consider adding a flasher to this installation. Regular site traffic and vehicles visiting the site during construction will be comprised of automobiles and trucks permitted under the California Vehicle Code (CVC) and no farm equipment is expected. The project does not introduce incompatible users (e.g., farm equipment) to a roadway or transportation facility not intended for those users.

Conclusion. The project's impact with regards to Roadway Design and Users is potentially significant with regards to safety on the N. Colusa Frontage Road.

Mitigation. The project proponents shall provide funds for an advance flashing beacon on westbound N. Colusa Frontage Road to be installed by the City of Yuba City when deemed necessary by the City. With that improvement the project's impact is not significant.

State Highways. The project will take access to SR 20 at the signalized George Washington Parkway and Harter Parkway intersections. The project could result in a minor increase in queuing on the westbound N. Colusa Frontage Rd approach to George Washington Blvd, but the project will not result in queueing at signalized intersections that exceed available storage. Project traffic will not negatively affect safety of the State highway facility.

Conclusion. The project's impact with regards to State facilities is not significant.

Standards of Significance / Level of Service Thresholds

In this transportation impact study, the significance of the proposed project's impact on traffic operating conditions is based on a determination of whether project generated traffic results in roadway or intersection operating conditions below acceptable standards as defined by the governing agency. A project's impact on traffic conditions is considered significant if implementation of the project would result in LOS changing from levels considered acceptable to levels considered unacceptable, or if the project would significantly worsen an already unacceptable LOS without the project. Relevant policies for the study area consist of the following.

SB 743

SB 743 requires that as of July 1, 2020 evaluation of transportation impacts under CEQA may no longer be based on consideration of Level of Service and will move to evaluation based on Vehicle Miles Traveled (VMT). Methods for estimating project VMT and for evaluating VMT impacts are outlined in Office of Planning & Research (OPR) directives and are implemented by individual jurisdictions. The City of Yuba City is working towards creation and adoption of applicable methods for estimating and evaluating a project's effects on VMT but thresholds of significance have not yet been adopted

State Route 20 Transportation Concept Report (Caltrans District 3, March 2013)

The Route Concept Report for SR 20 identifies the following standard:

- Concept LOS E is identified for SR 20 roadway segments in the City of Yuba City between Harter Pkwy and SR 99

Yuba City General Plan (Adopted April 2004)

Implementing Policy 5.2-1-12 *(Traffic Level of Service)* of the General Plan's Transportation section states the following:

> Develop and manage the roadway system to obtain LOS D or better for all major roadways and intersections in the City. This policy does not extend to residential streets (i.e., streets with direct driveway access to homes) or bridges across the Feather River nor does the policy apply to state highways and their intersections, where Caltrans policies apply. Exceptions to LOS D policy may be allowed by the City Council in areas, such as downtown, where allowing a lower LOS would result in clear public benefits. Specific exceptions granted by the Council shall be added to the list of exceptions below:
>
> - SR 20 (SR 99 to Feather River Bridge) – LOS F is acceptable;
> - SR 20 (Feather River Bridge) – LOS F is acceptable;

- Bridge Street (Twin Cities Bridge) – LOS F is acceptable;
- Lincoln Road (New Bridge across the Feather River) – LOS F is acceptable;
- Bridge Street from Palora Avenue to Second Street – LOS F is acceptable.

No new development will be approved unless it can be shown that the required level of service can be maintained on the affected roadways.

Based upon the above, the following standards and significance criteria have been used for this analysis to identify a significant impact.

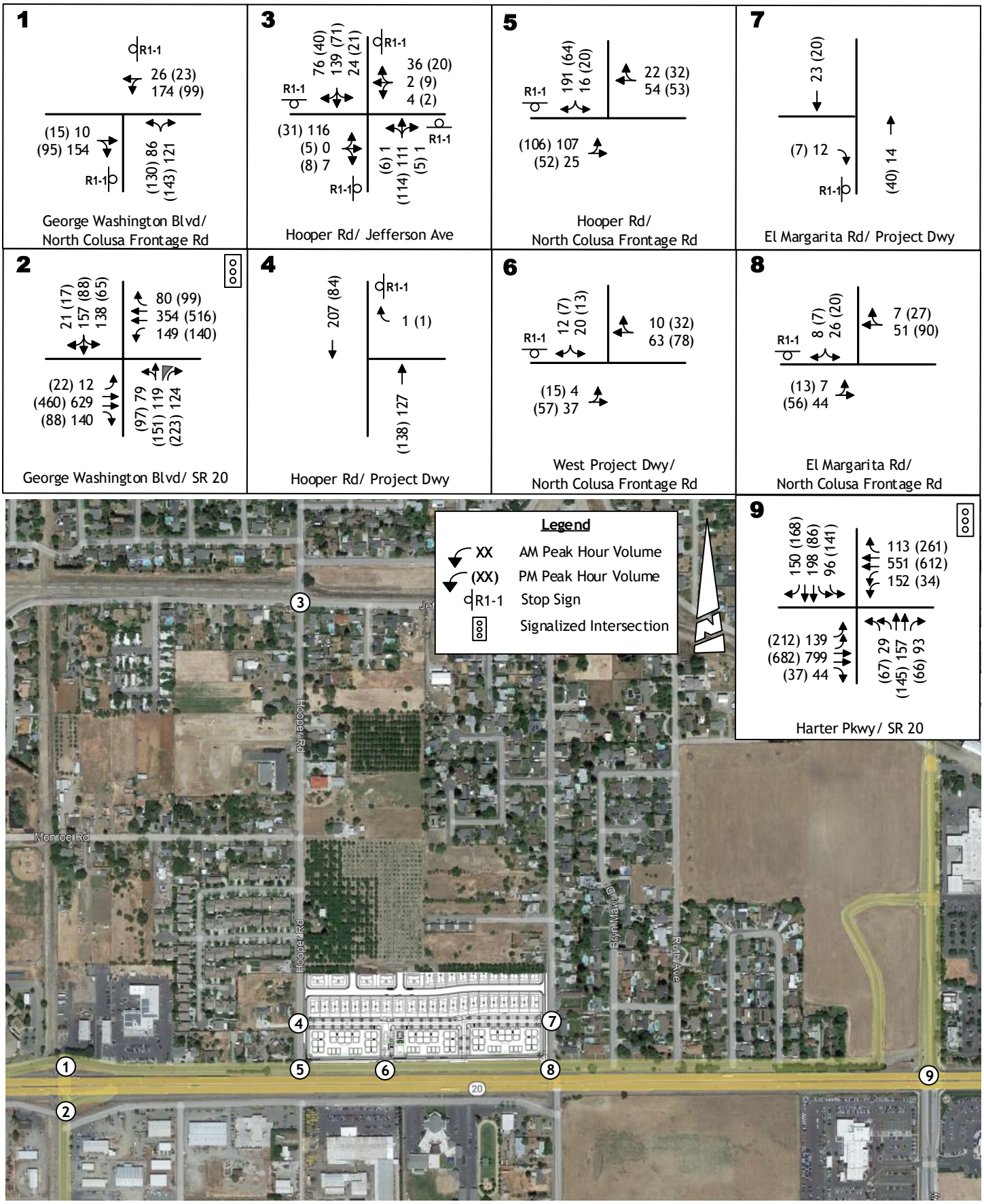
- Cause level of service at a study intersection to degrade from an acceptable LOS D or better to LOS E or F.

- Exacerbate the no project level of service at a study intersection operating at an unacceptable LOS. Based upon direction provided by City staff for past studies in this area, exacerbation of unacceptable operations at a City signalized intersection is considered an impact if the proposed project causes an increase in the average vehicle delay of 5 seconds or more.

Existing Plus Project Conditions

Intersection Levels of Service. Figure 5 presents the sum of existing traffic and project trips. Table 10 compares current Levels of Service at study intersections with "Plus Project" conditions. The addition of project trips does not result in any location operating at an acceptable condition deteriorating to an unacceptable level. No improvements are needed.

95th Percentile Queues. As indicated in Table 11, the addition of project traffic will increase the length of peak period queues at study intersections slightly. However, resulting queues will not exceed the length of available in turn lane storage or otherwise create a new safety problem or exacerbate an existing deficiency.



EXISTING PLUS PROJECT
TRAFFIC VOLUMES AND LANE CONFIGURATIONS

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Transportation Engineers

9531-01 RA 7/8/2022

figure 5

TABLE 10
EXISTING PLUS PROJECT PEAK HOUR INTERSECTION LEVELS OF SERVICE

Intersection	Control	Min LOS[1]	AM Peak Hour				PM Peak Hour			
			Existing		Existing Plus Henson Ranch Apartments		Existing		Existing Plus Henson Ranch Apartments	
			Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS
Colusa Frontage Rd / George Washington Blvd[2]	EB/WB Stop	D	31.5	C	27.3	C	21.7	C	23.8	C
SR 20 / George Washington Blvd	Signal	D	31.7	C	37.4	D	20.8	C	25.5	C
Jefferson Ave / Hooper Rd	AWS	D	10.0	B	10.1	B	7.9	A	7.9	A
Hooper Rd / Project Driveway	WB Stop	D	-	-	9.0	A	-	-	9.0	A
N. Colusa Frontage Rd / Hooper Rd	SB Stop	D	10.6	B	10.8	B	9.5	A	9.7	A
N. Colusa Frontage Rd / Project Driveway	SB Stop	D	-	-	9.1	A	-	-	9.4	A
El Margarita Rd / Project Driveway	EB Stop	D	-	-	8.5	A	-	-	8.4	A
N. Colusa Frontage Rd / El Margarita Rd	SB Stop	D	8.9	A	9.2	A	9.3	A	9.7	A
SR 20 / Harter Pkwy	Signal	E	16.9	B	17.0	B	15.9	B	16.0	B

[1] Minimum LOS established by the City of Yuba City or Caltrans SR 20 TCR
[2] Motorists waiting on the westbound and eastbound approaches experience total delays that is the sum of stopped delay at this intersection and the SB delay at SR 20 / George Washington Blvd intersection

TABLE 11
EXISTING PLUS PROJECT PEAK HOUR INTERSECTION 95th PERCENTILE QUEUE LENGTHS

Intersection	Lane	Storage (feet)	AM Peak Hour				PM Peak Hour			
			Existing		Existing Plus Henson Ranch Apartments		Existing		Existing Plus Henson Ranch Apartments	
			Volume (vph)	95th % Queue (feet)	Volume (vph)	95th % Queue (feet)	Volume (vph)	95th % Queue (feet)	Volume (vph)	95th % Queue (feet)
N. Colusa Frontage Rd / George Washington Blvd[1]	WB	-	190	155	200	150	116	110	122	110
	EB	-	164	165	164	135	110	120	110	100
SR 20 / George Washington Blvd	EB left	285	10	40	12	40	15	35	22	40
	WB left	215	149	135	149	155	140	110	140	130
	SB thru+left	40[2]	291	**75**	295	**75**	151	**85**	153	**85**
	NB thru+left	130[2]	197	**215**	198	**165**	245	**180**	248	**235**
SR 20 / Harter Parkway	EB left	600	139	65	139	65	212	80	212	85
	WB left	575	152	70	152	70	34	20	34	20
	SB left	500	82	45	96	50	130	55	141	60
	NB left	170	29	<25	29	<25	67	35	67	35

[1] queues are the sum of estimated queues on the Southbound George Washington Blvd approach in excess of available storage and the N. Colusa Frontage Road approach queues

[2] separation between crosswalk and frontage road intersection.

BOLD values exceed available storage or extend beyond next intersection.

CUMULATIVE IMPACTS

Long Term Cumulative Conditions

Basis for Long Term Projections. The City of Yuba City's Traffic Impact Fee Update Traffic Circulation / Operational Analysis was the source of long term traffic volumes for this analysis. The analysis' Market Absorption scenario was employed, and peak hour traffic volume forecasts from that analysis at intersections on SR 20 were conservatively assumed to be the "no project" condition for this cumulative analysis.

For this analysis background traffic volumes on other study area streets were assumed to increase in proportion to the growth found on the segment of George Washington Blvd north of SR 20. City provided intersection volumes indicated that a.m. peak hour traffic would increase by 30% and p.m. peak hour volumes would increase by 50%. These factors were applied to current volumes. Additionally, project traffic from the recently approved Henson Ranch subdivision was added to the local study intersections to develop the Cumulative baseline intersection turning movement conditions.

Future study area traffic volumes would also reflect the creation of new roads. In this area the most notable addition is the extension of Jefferson Avenue easterly to Harter Parkway. Because City provided data does not deal with that location, forecasts from the available version of the City's travel demand forecasting model reviewed to identify the volume of through traffic using Jefferson Blvd through the study area.

Circulation System Assumptions. The traffic volume forecasts made for this analysis include those city-wide circulation system improvements incorporated into the City's updated General Plan traffic model and CIP. As noted above Jefferson Avenue was assumed to be extended. In the vicinity of the project, SR 20 was assumed to be widened to 6 lanes at the Civic Center Blvd intersection and easterly, but 4 lanes were assumed to remain in the area of the project. SR 99 was assumed to remain a four-lane facility through Yuba City. Harter Pkwy was extended northerly to Pease Road and southerly from its current terminus at Lassen Avenue. A traffic signal is assumed at the SR 20 / El Margarita Road intersection per the El Margarita Master Plan.

Traffic Volume Forecasts. Peak hour intersection turning movements were created for No Project and Plus Project Cumulative conditions. Figure 6 identifies cumulative traffic volumes at study intersections without the project, while Figure 7 presents volumes with the addition of the proposed project based on the long term distribution assumptions noted earlier and the presence of Jefferson Avenue extension.

Cumulative No Project Conditions. Table 12 identifies peak hour ***Levels of Service*** under future conditions. Two intersections are projected to operate at Levels of Service that exceed the identified minimum standard:

- N. Colusa Frontage Road / George Washington Blvd: LOS F in a.m. peak hour
- SR 20 / George Washington Blvd: LOS E in a.m. peak hour

Condition at these intersections relate to the poor operation of the SR 20 / George Washington Blvd intersection. No improvements are planned at either location. Regional measures to reduce the volume of traffic on the N. Colusa Frontage Road could include closing off the frontage road between Royo Ranchero Drive and George Washington Blvd intersection, however that action is not included in the Yuba City General Plan Circulation Element.

95th Percentile Queues. As noted in Table 13, projected queues will become longer in the future whether the proposed project proceeds or not. As noted, the length of the northbound queue on George Washington Blvd will far exceed the distance to the S. Frontage Road, and the queues on the N. Frontage Road will become longer. The westbound left turn lane queue at SR 20 / George Washington Blvd will exceed the available storage.

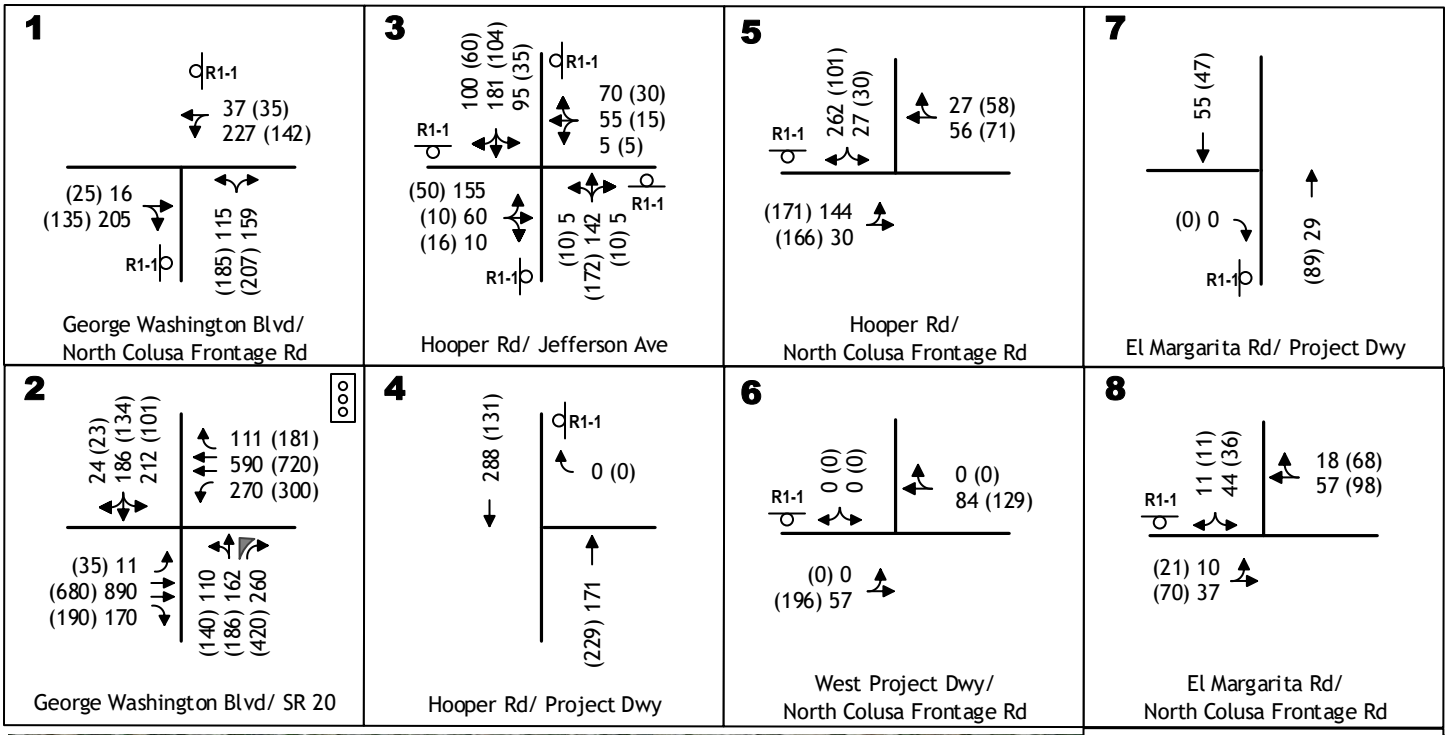
Cumulative Plus Project conditions. As noted in Table 12, implementation of the proposed project will affect cumulative traffic conditions at area intersections. ***Levels of Service*** remain the same, and average delays increase in some instances and decrease in others. Conditions with the project exceed the LOS D standard at:

- SR 20 / George Washington Blvd
- George Washington Blvd / N. Colusa Frontage Road

The significance of the project's effect at the N. Frontage Road intersection is based on the change in average delay. In this case the change in delay exceeds the 5.0 second increment accepted by the City of Yuba City, and the project's effect is significant. No physical improvements have been identified for this intersection, and as noted earlier, changes to the use of the frontage road to reduce the traffic volume at the intersection are not yet included in the City General Plan Circulation Element.

At the SR 20 / George Washington Blvd intersection the project would cause the intersection to operate at LOS E. The change in delay is greater than the 5.0 second increment accepted by the City of Yuba City, and the project's effect is considered significant. No physical improvements have been identified for this intersection, and as noted earlier, changes to the use of the frontage road to reduce the traffic volume at the intersection are not yet included in the City General Plan Circulation Element.

95th Percentile Queues. As noted in Table 13, projected queues will become longer in the future whether the proposed project proceeds or not. The length of the northbound queue on George Washington Blvd will far exceed the distance to the S. Frontage Road, and the queues on the N. Frontage Road will become longer. The westbound left turn lane queue at SR 20 / George Washington Blvd will exceed the available storage.

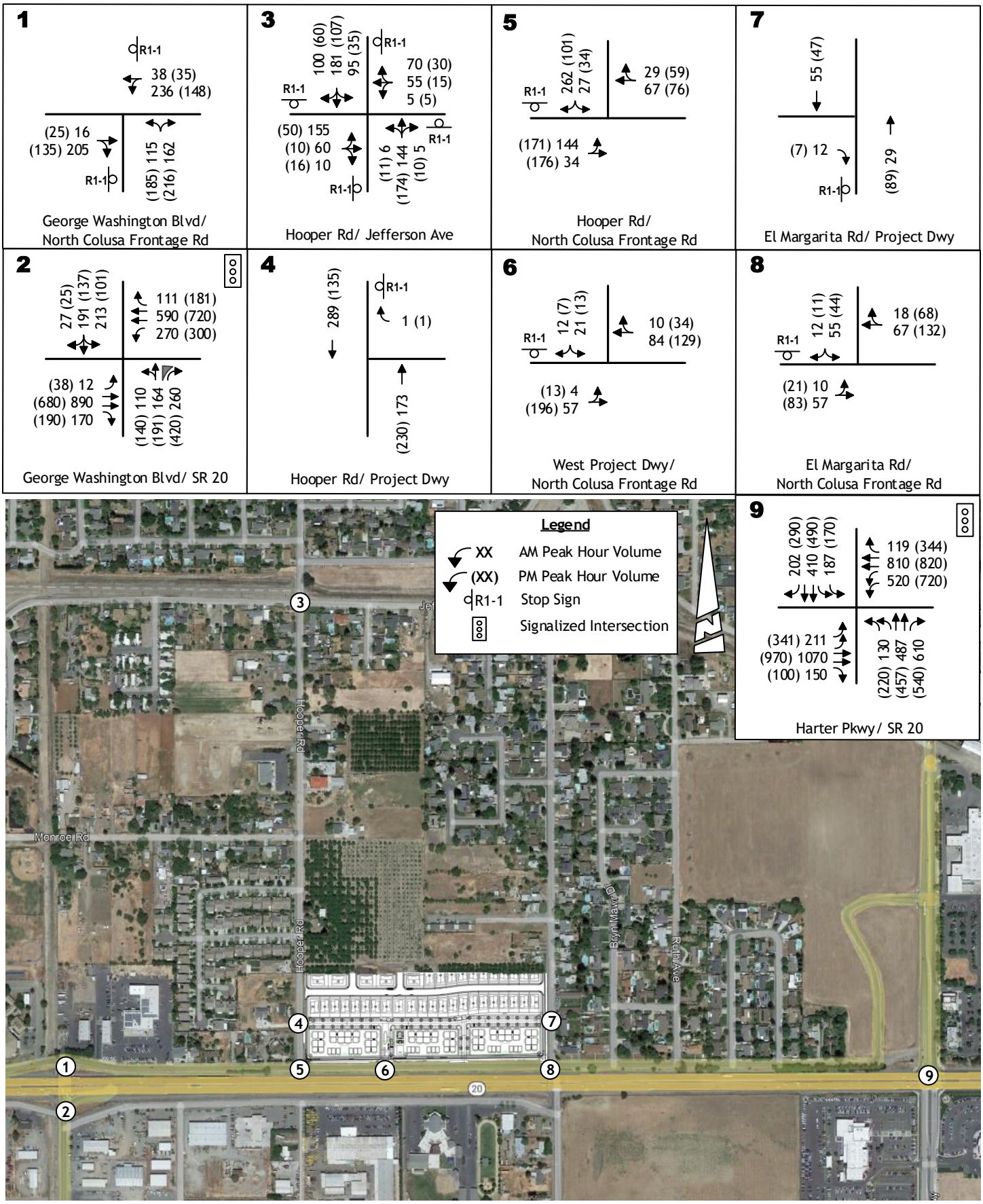


CUMULATIVE TRAFFIC VOLUMES AND LANE CONFIGURATIONS

KD Anderson & Associates, Inc.
Transportation Engineers

9531-01 RA 7/8/2022

figure 6



CUMULATIVE PLUS PROJECT
TRAFFIC VOLUMES AND LANE CONFIGURATIONS

KD Anderson & Associates, Inc.
Transportation Engineers

9531-01 RA 7/8/2022

figure 7

TABLE 12
CUMLATIVE PLUS PROJECT PEAK HOUR INTERSECTION LEVELS OF SERVICE

Intersection	Control	Min LOS[1]	AM Peak Hour				PM Peak Hour			
			General Plan Market Absorption plus Henson Ranch Subdivision		Plus Henson Ranch Apartments		General Plan Market Absorption plus Henson Ranch Subdivision		Plus Henson Ranch Apartments	
			Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS
N. Colusa Frontage Rd / George Washington Blvd	EB/WB Stop	D	**82.4**	**F**	**110.8**	**F**	46.6	D	**58.1**	**E**
SR 20 / George Washington Blvd	Signal	D	**59.0**	**E**	**66.7**	**E**	49.1	D	**58.5**	**E**
Jefferson Ave / Hooper Rd	AWS	D	23.7	C	23.9	C	8.8	A	8.9	A
Hooper Rd / Project Driveway	WB Stop	D	-	-	9.2	A	-	-	9.6	A
N. Colusa Frontage Rd / Hooper Rd	SB Stop	D	12.9	B	13.3	B	11.4	B	11.9	B
N. Colusa Frontage Rd / Project Driveway	SB Stop	D	-	-	9.4	A	-	-	10.5	B
El Margarita Rd / Project Driveway	EB Stop	D	8.6	A	8.6	A	8.7	A	8.6	A
N. Colusa Frontage Rd / El Margarita Rd	SB Stop	D	9.4	A	9.7	A	10.3	B	10.9	B
SR 20 / Harter Pkwy	Signal	E	59.2	E	59.7	E	47.5	D	47.8	D

[1] minimum LOS established by the City of Yuba City or Caltrans SR 20 TCR

BOLD values exceed acceptable LOS threshold

BOLD values exceed acceptable LOS threshold and considered significant

TABLE 13
CUMULATIVE PLUS PROJECT PEAK HOUR INTERSECTION 95th PERCENTILE QUEUE LENGTHS

Intersection	Lane	Storage (feet)	AM Peak Hour				PM Peak Hour			
			General Plan Market Absorption plus Henson Ranch Subdivision		Plus Henson Ranch Apartments		General Plan Market Absorption plus Henson Ranch Subdivision		Plus Henson Ranch Apartments	
			Volume (vph)	95th % Queue (feet)	Volume (vph)	95th % Queue (feet)	Volume (vph)	95th % Queue (feet)	Volume (vph)	95th % Queue (feet)
N. Colusa Frontage Rd / George Washington Blvd	WB	-	264	385	274	515	177	210	183	255
	EB	-	221	360	221	465	160	190	160	220
SR 20 / George Washington Blvd	EB left	285	11	155	12	95	35	150	38	205
	WB left	215	270	**320**	270	**360**	300	**355**	300	**365**
	SB Thru+left	40[2]	398	**70**	404	**75**	235	**75**	238	**70**
	NB Thru+left	130[2]	272	**775**	274	**920**	326	**995**	331	**1,055**
SR 20 / Harter Parkway	EB left	600	210	135	211	135	340	210	341	210
	WB left	575	520	285	520	285	720	465	720	465
	SB left	500	174	135	187	155	161	115	170	130
	NB left	170	130	95	130	95	220	185	220	185

[1] queues are the sum of estimated queues on the Southbound George Washington Blvd approach in excess of available storage and the N. Colusa Frontage Road approach queues

[2] separation between crosswalk and frontage road intersection

BOLD values exceed turn lane storage

APPENDIX

Intersection	
Intersection Delay, s/veh	10
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	116	0	7	4	2	36	1	107	1	24	138	76
Future Vol, veh/h	116	0	7	4	2	36	1	107	1	24	138	76
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	159	0	10	5	3	49	1	147	1	33	189	104
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.1	8.3	9.2	10.7
HCM LOS	B	A	A	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	1%	94%	10%	10%
Vol Thru, %	98%	0%	5%	58%
Vol Right, %	1%	6%	86%	32%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	109	123	42	238
LT Vol	1	116	4	24
Through Vol	107	0	2	138
RT Vol	1	7	36	76
Lane Flow Rate	149	168	58	326
Geometry Grp	1	1	1	1
Degree of Util (X)	0.203	0.246	0.076	0.41
Departure Headway (Hd)	4.888	5.251	4.78	4.526
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	729	679	740	792
Service Time	2.955	3.324	2.867	2.581
HCM Lane V/C Ratio	0.204	0.247	0.078	0.412
HCM Control Delay	9.2	10.1	8.3	10.7
HCM Lane LOS	A	B	A	B
HCM 95th-tile Q	0.8	1	0.2	2

Intersection	
Int Delay, s/veh	7.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	107	22	43	20	15	191
Future Vol, veh/h	107	22	43	20	15	191
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	71	71	71	71	71	71
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	151	31	61	28	21	269

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	89	0	-	0	408	75
Stage 1	-	-	-	-	75	-
Stage 2	-	-	-	-	333	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1506	-	-	-	599	986
Stage 1	-	-	-	-	948	-
Stage 2	-	-	-	-	726	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1506	-	-	-	538	986
Mov Cap-2 Maneuver	-	-	-	-	538	-
Stage 1	-	-	-	-	851	-
Stage 2	-	-	-	-	726	-

Approach	EB	WB	SB
HCM Control Delay, s	6.4	0	10.6
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1506	-	-	-	930
HCM Lane V/C Ratio	0.1	-	-	-	0.312
HCM Control Delay (s)	7.7	0	-	-	10.6
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.3	-	-	-	1.3

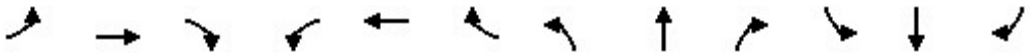
Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	7	24	41	7	15	8
Future Vol, veh/h	7	24	41	7	15	8
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	88	88	88	88	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	27	47	8	17	9

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	55	0	-	0	94	51
Stage 1	-	-	-	-	51	-
Stage 2	-	-	-	-	43	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1550	-	-	-	906	1017
Stage 1	-	-	-	-	971	-
Stage 2	-	-	-	-	979	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1550	-	-	-	901	1017
Mov Cap-2 Maneuver	-	-	-	-	901	-
Stage 1	-	-	-	-	966	-
Stage 2	-	-	-	-	979	-

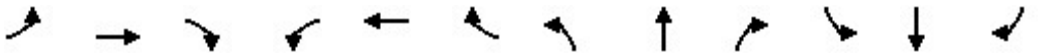
Approach	EB	WB	SB
HCM Control Delay, s	1.7	0	8.9
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1550	-	-	-	938
HCM Lane V/C Ratio	0.005	-	-	-	0.028
HCM Control Delay (s)	7.3	0	-	-	8.9
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	167	963	53	183	664	131	35	186	112	99	228	180
v/c Ratio	0.42	0.79	0.09	0.44	0.54	0.14	0.12	0.43	0.38	0.32	0.33	0.25
Control Delay	32.3	24.7	0.3	32.1	18.8	2.1	32.8	31.7	10.2	33.5	27.7	4.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	32.3	24.7	0.3	32.1	18.8	2.1	32.8	31.7	10.2	33.5	27.7	4.3
Queue Length 50th (ft)	31	172	0	34	105	0	6	35	0	19	43	0
Queue Length 95th (ft)	65	252	0	70	162	18	21	72	33	44	84	32
Internal Link Dist (ft)		1924			1902			1060			859	
Turn Bay Length (ft)	600		525	525		525	170		195	505		325
Base Capacity (vph)	1099	3198	1441	1099	3198	1243	824	1416	705	1099	1699	1015
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.15	0.30	0.04	0.17	0.21	0.11	0.04	0.13	0.16	0.09	0.13	0.18

Intersection Summary



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	139	799	44	152	551	109	29	154	93	82	189	149
Future Volume (veh/h)	139	799	44	152	551	109	29	154	93	82	189	149
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	167	963	53	183	664	131	35	186	112	99	228	180
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	277	1135	506	298	1156	612	107	431	192	210	537	367
Arrive On Green	0.08	0.32	0.32	0.09	0.33	0.33	0.03	0.12	0.12	0.06	0.15	0.15
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	167	963	53	183	664	131	35	186	112	99	228	180
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	2.3	12.3	1.1	2.5	7.5	2.7	0.5	2.4	3.2	1.3	2.8	4.8
Cycle Q Clear(g_c), s	2.3	12.3	1.1	2.5	7.5	2.7	0.5	2.4	3.2	1.3	2.8	4.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	277	1135	506	298	1156	612	107	431	192	210	537	367
V/C Ratio(X)	0.60	0.85	0.10	0.61	0.57	0.21	0.33	0.43	0.58	0.47	0.42	0.49
Avail Cap(c_a), veh/h	1425	4396	1961	1425	4396	2057	1069	1832	817	1425	1832	944
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.6	15.4	11.6	21.4	13.6	10.0	23.0	19.8	20.1	22.0	18.7	16.2
Incr Delay (d2), s/veh	0.8	0.7	0.0	0.8	0.2	0.1	0.7	0.3	1.0	0.6	0.2	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	3.5	0.3	0.8	2.1	0.7	0.2	0.9	1.1	0.5	1.0	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.3	16.1	11.7	22.2	13.7	10.0	23.7	20.0	21.2	22.6	18.9	16.5
LnGrp LOS	C	B	B	C	B	B	C	C	C	C	B	B
Approach Vol, veh/h		1183			978			333			507	
Approach Delay, s/veh		16.8			14.8			20.8			18.8	
Approach LOS		B			B			C			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.2	21.5	5.5	12.3	8.9	21.8	6.9	10.9
Change Period (Y+Rc), s	* 5	6.0	* 4	* 5	* 5	6.0	* 4	* 5
Max Green Setting (Gmax), s	* 20	60.0	* 15	* 25	* 20	60.0	* 20	* 25
Max Q Clear Time (g_c+I1), s	4.5	14.3	2.5	6.8	4.3	9.5	3.3	5.2
Green Ext Time (p_c), s	0.1	1.2	0.0	0.6	0.1	0.8	0.0	0.4

Intersection Summary	
HCM 6th Ctrl Delay	16.9
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

1: Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	15.3	11.3	1.3	9.6

2: GEORGE WASHINGTON BLVD & SR 20 Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.2	0.0	1.9	0.0	0.4
Total Del/Veh (s)	43.8	24.3	25.2	16.2	31.7

Total Zone Performance

Denied Del/Veh (s)	0.6
Total Del/Veh (s)	224.6

Intersection: 1:

Movement	EB	WB	NB
Directions Served	TR	LT	LR
Maximum Queue (ft)	114	104	4
Average Queue (ft)	70	63	1
95th Queue (ft)	130	122	9
Link Distance (ft)	2556	1180	61
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 2: GEORGE WASHINGTON BLVD & SR 20

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	R	LT	R	LT	R
Maximum Queue (ft)	62	315	324	159	123	94	113	71	184	67	70	13
Average Queue (ft)	17	197	213	98	78	54	78	36	107	30	67	3
95th Queue (ft)	113	336	370	203	136	111	133	87	214	120	74	21
Link Distance (ft)		4735	4735			768	768		911		61	
Upstream Blk Time (%)											35	0
Queuing Penalty (veh)											111	0
Storage Bay Dist (ft)	280			100	225			700		75		20
Storage Blk Time (%)		5	43	1					21	0	56	0
Queuing Penalty (veh)		1	60	2					26	0	9	1

Zone Summary

Zone wide Queuing Penalty: 209

1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	4.3	5.4	1.2	3.0

2: GEORGE WASHINGTON BLVD & SR 20 Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.2	0.2	2.2	0.0	0.7
Total Del/Veh (s)	27.4	19.3	15.9	16.3	20.8

Total Zone Performance

Denied Del/Veh (s)	1.0
Total Del/Veh (s)	218.3

Intersection: 1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD

Movement	EB	WB	NB
Directions Served	TR	LT	LR
Maximum Queue (ft)	43	54	3
Average Queue (ft)	14	24	1
95th Queue (ft)	47	67	6
Link Distance (ft)	2556	1180	61
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 2: GEORGE WASHINGTON BLVD & SR 20

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	R	LT	R	LT	R
Maximum Queue (ft)	25	147	160	91	97	112	137	76	155	98	68	38
Average Queue (ft)	12	96	98	37	66	79	86	43	97	26	53	13
95th Queue (ft)	35	169	186	98	111	141	153	84	178	112	84	48
Link Distance (ft)		4735	4735			768	768		911		61	
Upstream Blk Time (%)											12	0
Queuing Penalty (veh)											22	0
Storage Bay Dist (ft)	280			100	225			700		75		20
Storage Blk Time (%)			13						14		44	2
Queuing Penalty (veh)			11						31		6	3

Zone Summary

Zone wide Queuing Penalty: 73

Intersection	
Intersection Delay, s/veh	7.9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	31	5	8	2	9	20	6	112	5	21	67	40
Future Vol, veh/h	31	5	8	2	9	20	6	112	5	21	67	40
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	34	5	9	2	10	22	7	122	5	23	73	43
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	7.9	7.4	8	7.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	5%	70%	6%	16%
Vol Thru, %	91%	11%	29%	52%
Vol Right, %	4%	18%	65%	31%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	123	44	31	128
LT Vol	6	31	2	21
Through Vol	112	5	9	67
RT Vol	5	8	20	40
Lane Flow Rate	134	48	34	139
Geometry Grp	1	1	1	1
Degree of Util (X)	0.155	0.061	0.039	0.156
Departure Headway (Hd)	4.169	4.597	4.209	4.024
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	849	784	856	878
Service Time	2.251	2.598	2.211	2.109
HCM Lane V/C Ratio	0.158	0.061	0.04	0.158
HCM Control Delay	8	7.9	7.4	7.9
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.5	0.2	0.1	0.6

Intersection	
Int Delay, s/veh	5.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	106	41	47	31	16	64
Future Vol, veh/h	106	41	47	31	16	64
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	114	44	51	33	17	69

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	84	0	-	0	340	68
Stage 1	-	-	-	-	68	-
Stage 2	-	-	-	-	272	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1513	-	-	-	656	995
Stage 1	-	-	-	-	955	-
Stage 2	-	-	-	-	774	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1513	-	-	-	605	995
Mov Cap-2 Maneuver	-	-	-	-	605	-
Stage 1	-	-	-	-	881	-
Stage 2	-	-	-	-	774	-

Approach	EB	WB	SB
HCM Control Delay, s	5.5	0	9.5
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1513	-	-	-	881
HCM Lane V/C Ratio	0.075	-	-	-	0.098
HCM Control Delay (s)	7.6	0	-	-	9.5
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0.2	-	-	-	0.3

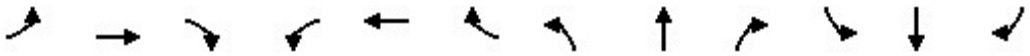
Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	13	43	58	27	13	7
Future Vol, veh/h	13	43	58	27	13	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	86	86	86	86	86	86
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	15	50	67	31	15	8

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	98	0	-	0	163	83
Stage 1	-	-	-	-	83	-
Stage 2	-	-	-	-	80	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1495	-	-	-	828	976
Stage 1	-	-	-	-	940	-
Stage 2	-	-	-	-	943	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1495	-	-	-	820	976
Mov Cap-2 Maneuver	-	-	-	-	820	-
Stage 1	-	-	-	-	931	-
Stage 2	-	-	-	-	943	-

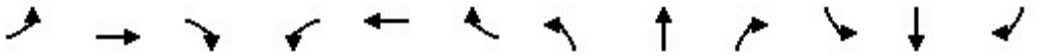
Approach	EB	WB	SB
HCM Control Delay, s	1.7	0	9.3
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1495	-	-	-	869
HCM Lane V/C Ratio	0.01	-	-	-	0.027
HCM Control Delay (s)	7.4	0	-	-	9.3
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	238	766	42	38	688	273	75	157	74	146	93	189
v/c Ratio	0.48	0.52	0.06	0.15	0.70	0.30	0.21	0.38	0.26	0.38	0.16	0.26
Control Delay	28.1	15.6	0.2	30.3	23.9	3.1	28.4	29.0	4.6	29.2	25.9	4.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	28.1	15.6	0.2	30.3	23.9	3.1	28.4	29.0	4.6	29.2	25.9	4.1
Queue Length 50th (ft)	39	112	0	6	110	6	12	26	0	24	15	1
Queue Length 95th (ft)	82	185	0	22	190	40	35	62	14	57	40	38
Internal Link Dist (ft)		1924			1902			1060			859	
Turn Bay Length (ft)	600		525	525		525	170		195	505		325
Base Capacity (vph)	1208	3366	1511	1208	3366	1223	906	1557	763	1208	1868	1025
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.20	0.23	0.03	0.03	0.20	0.22	0.08	0.10	0.10	0.12	0.05	0.18

Intersection Summary



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	212	682	37	34	612	243	67	140	66	130	83	168
Future Volume (veh/h)	212	682	37	34	612	243	67	140	66	130	83	168
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	238	766	42	38	688	273	75	157	74	146	93	189
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	371	1158	516	87	866	504	187	463	207	258	536	409
Arrive On Green	0.11	0.33	0.33	0.03	0.24	0.24	0.05	0.13	0.13	0.07	0.15	0.15
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	238	766	42	38	688	273	75	157	74	146	93	189
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	3.0	8.3	0.8	0.5	8.2	6.4	0.9	1.8	1.9	1.8	1.0	4.5
Cycle Q Clear(g_c), s	3.0	8.3	0.8	0.5	8.2	6.4	0.9	1.8	1.9	1.8	1.0	4.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	371	1158	516	87	866	504	187	463	207	258	536	409
V/C Ratio(X)	0.64	0.66	0.08	0.44	0.79	0.54	0.40	0.34	0.36	0.57	0.17	0.46
Avail Cap(c_a), veh/h	1535	4735	2112	1535	4735	2230	1151	1973	880	1535	1973	1050
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.3	13.0	10.5	21.6	16.0	12.6	20.6	17.8	17.9	20.1	16.7	14.1
Incr Delay (d2), s/veh	0.7	0.2	0.0	1.3	0.6	0.3	0.5	0.2	0.4	0.7	0.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	2.2	0.2	0.2	2.4	1.8	0.3	0.6	0.6	0.7	0.4	1.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.0	13.3	10.5	22.9	16.6	13.0	21.1	18.0	18.2	20.9	16.7	14.4
LnGrp LOS	B	B	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h		1046			999			306			428	
Approach Delay, s/veh		14.7			15.9			18.8			17.1	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.1	20.7	6.4	11.8	9.8	17.0	7.4	10.9
Change Period (Y+Rc), s	* 5	6.0	* 4	* 5	* 5	6.0	* 4	* 5
Max Green Setting (Gmax), s	* 20	60.0	* 15	* 25	* 20	60.0	* 20	* 25
Max Q Clear Time (g_c+I1), s	2.5	10.3	2.9	6.5	5.0	10.2	3.8	3.9
Green Ext Time (p_c), s	0.0	0.9	0.1	0.3	0.1	0.8	0.1	0.3

Intersection Summary	
HCM 6th Ctrl Delay	15.9
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

1: George Washington Blvd & N Colusa Frontage Rd Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	11.1	10.8	1.3	7.7

2: GEORGE WASHINGTON BLVD & SR 20 Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.2	0.0	1.9	0.0	0.4
Total Del/Veh (s)	56.8	27.1	26.2	16.2	37.4

Total Zone Performance

Denied Del/Veh (s)	0.6
Total Del/Veh (s)	324.0

EB

11.1
16.2
27.3

WB

10.8
16.2
27.0

Intersection: 1: George Washington Blvd & N Colusa Frontage Rd

Movement	EB	WB
Directions Served	TR	LT
Maximum Queue (ft)	96	122
Average Queue (ft)	55	63
95th Queue (ft)	100	113
Link Distance (ft)	2556	1180
Upstream Blk Time (%)		
Queuing Penalty (veh)	100	113
Storage Bay Dist (ft)	35	35
Storage Blk Time (%)	135	148
Queuing Penalty (veh)		

Intersection: 2: GEORGE WASHINGTON BLVD & SR 20

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	R	LT	R	LT	R
Maximum Queue (ft)	38	347	375	160	161	130	153	88	157	132	73	42
Average Queue (ft)	14	218	244	125	90	75	93	45	100	35	68	10
95th Queue (ft)	42	329	378	220	155	136	157	91	165	130	74	43
Link Distance (ft)		4735	4735			768	768		911		61	
Upstream Blk Time (%)											36	0
Queuing Penalty (veh)											119	0
Storage Bay Dist (ft)	280			100	225			700		75		20
Storage Blk Time (%)		5	58	0	0				22		58	1
Queuing Penalty (veh)		1	81	1	0				27		12	3

Zone Summary

Zone wide Queuing Penalty: 244

Intersection	
Intersection Delay, s/veh	10.1
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	116	0	7	4	2	36	1	111	1	24	139	76
Future Vol, veh/h	116	0	7	4	2	36	1	111	1	24	139	76
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	159	0	10	5	3	49	1	152	1	33	190	104
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.1	8.3	9.3	10.8
HCM LOS	B	A	A	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	1%	94%	10%	10%
Vol Thru, %	98%	0%	5%	58%
Vol Right, %	1%	6%	86%	32%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	113	123	42	239
LT Vol	1	116	4	24
Through Vol	111	0	2	139
RT Vol	1	7	36	76
Lane Flow Rate	155	168	58	327
Geometry Grp	1	1	1	1
Degree of Util (X)	0.21	0.247	0.077	0.413
Departure Headway (Hd)	4.893	5.267	4.798	4.536
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	728	676	738	789
Service Time	2.962	3.343	2.887	2.592
HCM Lane V/C Ratio	0.213	0.249	0.079	0.414
HCM Control Delay	9.3	10.1	8.3	10.8
HCM Lane LOS	A	B	A	B
HCM 95th-tile Q	0.8	1	0.2	2

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	1	127	0	0	207
Future Vol, veh/h	0	1	127	0	0	207
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	1	138	0	0	225

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	363	138	0	0	138	0
Stage 1	138	-	-	-	-	-
Stage 2	225	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	636	910	-	-	1446	-
Stage 1	889	-	-	-	-	-
Stage 2	812	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	636	910	-	-	1446	-
Mov Cap-2 Maneuver	636	-	-	-	-	-
Stage 1	889	-	-	-	-	-
Stage 2	812	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	910	1446	-
HCM Lane V/C Ratio	-	-	0.001	-	-
HCM Control Delay (s)	-	-	9	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	7.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	107	25	54	22	16	191
Future Vol, veh/h	107	25	54	22	16	191
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	71	71	71	71	71	71
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	151	35	76	31	23	269

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	107	0	-	0	429	92
Stage 1	-	-	-	-	92	-
Stage 2	-	-	-	-	337	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1484	-	-	-	583	965
Stage 1	-	-	-	-	932	-
Stage 2	-	-	-	-	723	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1484	-	-	-	522	965
Mov Cap-2 Maneuver	-	-	-	-	522	-
Stage 1	-	-	-	-	835	-
Stage 2	-	-	-	-	723	-

Approach	EB	WB	SB
HCM Control Delay, s	6.2	0	10.8
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1484	-	-	-	906
HCM Lane V/C Ratio	0.102	-	-	-	0.322
HCM Control Delay (s)	7.7	0	-	-	10.8
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.3	-	-	-	1.4

Intersection	
Int Delay, s/veh	2.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	4	37	63	10	20	12
Future Vol, veh/h	4	37	63	10	20	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	40	68	11	22	13

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	79	0	-	0	122	74
Stage 1	-	-	-	-	74	-
Stage 2	-	-	-	-	48	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1519	-	-	-	873	988
Stage 1	-	-	-	-	949	-
Stage 2	-	-	-	-	974	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1519	-	-	-	870	988
Mov Cap-2 Maneuver	-	-	-	-	870	-
Stage 1	-	-	-	-	946	-
Stage 2	-	-	-	-	974	-

Approach	EB	WB	SB
HCM Control Delay, s	0.7	0	9.1
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1519	-	-	-	911
HCM Lane V/C Ratio	0.003	-	-	-	0.038
HCM Control Delay (s)	7.4	0	-	-	9.1
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1

Intersection	
Int Delay, s/veh	2.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	12	0	14	23	0
Future Vol, veh/h	0	12	0	14	23	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	13	0	15	25	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	40	25	25	0	-	0
Stage 1	25	-	-	-	-	-
Stage 2	15	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	972	1051	1589	-	-	-
Stage 1	998	-	-	-	-	-
Stage 2	1008	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	972	1051	1589	-	-	-
Mov Cap-2 Maneuver	972	-	-	-	-	-
Stage 1	998	-	-	-	-	-
Stage 2	1008	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.5	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1589	-	1051	-	-
HCM Lane V/C Ratio	-	-	0.012	-	-
HCM Control Delay (s)	0	-	8.5	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-

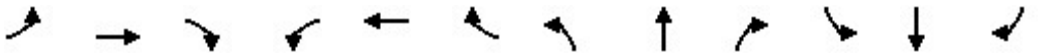
Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	7	44	51	7	26	8
Future Vol, veh/h	7	44	51	7	26	8
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	88	88	88	88	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	50	58	8	30	9

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	66	0	-	0	128	62
Stage 1	-	-	-	-	62	-
Stage 2	-	-	-	-	66	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1536	-	-	-	866	1003
Stage 1	-	-	-	-	961	-
Stage 2	-	-	-	-	957	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1536	-	-	-	862	1003
Mov Cap-2 Maneuver	-	-	-	-	862	-
Stage 1	-	-	-	-	956	-
Stage 2	-	-	-	-	957	-

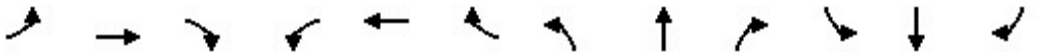
Approach	EB	WB	SB
HCM Control Delay, s	1	0	9.2
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1536	-	-	-	891
HCM Lane V/C Ratio	0.005	-	-	-	0.043
HCM Control Delay (s)	7.4	0	-	-	9.2
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	167	963	53	183	664	136	35	189	112	116	239	181
v/c Ratio	0.42	0.79	0.09	0.44	0.54	0.15	0.12	0.44	0.38	0.35	0.34	0.25
Control Delay	32.9	25.1	0.3	32.6	19.0	2.1	33.3	32.3	10.3	33.8	27.7	4.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	32.9	25.1	0.3	32.6	19.0	2.1	33.3	32.3	10.3	33.8	27.7	4.3
Queue Length 50th (ft)	31	174	0	35	106	0	6	36	0	22	46	0
Queue Length 95th (ft)	66	257	0	71	165	18	21	74	33	51	87	32
Internal Link Dist (ft)		1924			1902			1060			859	
Turn Bay Length (ft)	600		525	525		525	170		195	505		325
Base Capacity (vph)	1086	3173	1431	1086	3173	1237	814	1399	698	1086	1679	1016
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.15	0.30	0.04	0.17	0.21	0.11	0.04	0.14	0.16	0.11	0.14	0.18

Intersection Summary



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	139	799	44	152	551	113	29	157	93	96	198	150
Future Volume (veh/h)	139	799	44	152	551	113	29	157	93	96	198	150
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	167	963	53	183	664	136	35	189	112	116	239	181
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	277	1134	506	298	1156	619	107	419	187	225	540	368
Arrive On Green	0.08	0.32	0.32	0.09	0.33	0.33	0.03	0.12	0.12	0.07	0.15	0.15
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	167	963	53	183	664	136	35	189	112	116	239	181
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	2.3	12.3	1.1	2.5	7.5	2.8	0.5	2.4	3.3	1.6	3.0	4.8
Cycle Q Clear(g_c), s	2.3	12.3	1.1	2.5	7.5	2.8	0.5	2.4	3.3	1.6	3.0	4.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	277	1134	506	298	1156	619	107	419	187	225	540	368
V/C Ratio(X)	0.60	0.85	0.10	0.61	0.57	0.22	0.33	0.45	0.60	0.52	0.44	0.49
Avail Cap(c_a), veh/h	1422	4388	1957	1422	4388	2060	1067	1828	815	1422	1828	942
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.6	15.4	11.6	21.4	13.6	9.9	23.0	20.0	20.3	22.0	18.7	16.2
Incr Delay (d2), s/veh	0.8	0.7	0.0	0.8	0.2	0.1	0.7	0.3	1.1	0.7	0.2	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	3.5	0.3	0.8	2.1	0.8	0.2	0.9	1.1	0.6	1.1	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.4	16.2	11.7	22.2	13.8	9.9	23.7	20.2	21.5	22.7	18.9	16.5
LnGrp LOS	C	B	B	C	B	A	C	C	C	C	B	B
Approach Vol, veh/h		1183			983			336			536	
Approach Delay, s/veh		16.8			14.8			21.0			18.9	
Approach LOS		B			B			C			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.2	21.5	5.5	12.4	8.9	21.8	7.2	10.7
Change Period (Y+Rc), s	* 5	6.0	* 4	* 5	* 5	6.0	* 4	* 5
Max Green Setting (Gmax), s	* 20	60.0	* 15	* 25	* 20	60.0	* 20	* 25
Max Q Clear Time (g_c+I1), s	4.5	14.3	2.5	6.8	4.3	9.5	3.6	5.3
Green Ext Time (p_c), s	0.1	1.2	0.0	0.6	0.1	0.8	0.1	0.4

Intersection Summary	
HCM 6th Ctrl Delay	17.0
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	6.1	7.0	1.4	3.8

2: GEORGE WASHINGTON BLVD & SR 20 Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.2	0.2	2.0	0.0	0.6
Total Del/Veh (s)	35.1	23.4	19.0	16.8	25.5

Total Zone Performance

Denied Del/Veh (s)	0.9
Total Del/Veh (s)	302.2

EB

6.1
16.8
22.9

WB

7.0
16.8
23.8

Intersection: 1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD

Movement	EB	WB	NB
Directions Served	TR	LT	LR
Maximum Queue (ft)	68	66	11
Average Queue (ft)	21	29	2
95th Queue (ft)	66	76	16
Link Distance (ft)	2556	1180	61
Upstream Blk Time (%)			0
Queuing Penalty (veh)	+35	+35	0
Storage Bay Dist (ft)			
Storage Blk Time (%)	101	111	
Queuing Penalty (veh)			

Intersection: 2: GEORGE WASHINGTON BLVD & SR 20

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	R	LT	R	LT	R
Maximum Queue (ft)	38	197	204	129	129	143	150	83	214	133	70	52
Average Queue (ft)	15	118	115	48	76	85	97	42	122	42	56	11
95th Queue (ft)	40	189	189	129	131	153	158	90	235	143	85	45
Link Distance (ft)		4735	4735			768	768		911		61	
Upstream Blk Time (%)											14	0
Queuing Penalty (veh)											28	0
Storage Bay Dist (ft)	280			100	225			700		75		20
Storage Blk Time (%)		0	20						20	0	46	1
Queuing Penalty (veh)		0	18						44	0	8	2

Zone Summary

Zone wide Queuing Penalty: 99

Intersection	
Intersection Delay, s/veh	7.9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	31	5	8	2	9	20	6	114	5	21	71	40
Future Vol, veh/h	31	5	8	2	9	20	6	114	5	21	71	40
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	34	5	9	2	10	22	7	124	5	23	77	43
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	7.9	7.4	8	7.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	5%	70%	6%	16%
Vol Thru, %	91%	11%	29%	54%
Vol Right, %	4%	18%	65%	30%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	125	44	31	132
LT Vol	6	31	2	21
Through Vol	114	5	9	71
RT Vol	5	8	20	40
Lane Flow Rate	136	48	34	143
Geometry Grp	1	1	1	1
Degree of Util (X)	0.157	0.061	0.04	0.161
Departure Headway (Hd)	4.173	4.61	4.222	4.031
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	848	781	853	877
Service Time	2.257	2.612	2.224	2.118
HCM Lane V/C Ratio	0.16	0.061	0.04	0.163
HCM Control Delay	8	7.9	7.4	7.9
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	0.6	0.2	0.1	0.6

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	1	138	0	0	84
Future Vol, veh/h	0	1	138	0	0	84
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	1	148	0	0	90

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	238	148	0	0	148	0
Stage 1	148	-	-	-	-	-
Stage 2	90	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	750	899	-	-	1434	-
Stage 1	880	-	-	-	-	-
Stage 2	934	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	750	899	-	-	1434	-
Mov Cap-2 Maneuver	750	-	-	-	-	-
Stage 1	880	-	-	-	-	-
Stage 2	934	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	899	1434	-
HCM Lane V/C Ratio	-	-	0.001	-	-
HCM Control Delay (s)	-	-	9	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	106	52	53	32	20	64
Future Vol, veh/h	106	52	53	32	20	64
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	114	56	57	34	22	69

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	91	0	-	0	358	74
Stage 1	-	-	-	-	74	-
Stage 2	-	-	-	-	284	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1504	-	-	-	640	988
Stage 1	-	-	-	-	949	-
Stage 2	-	-	-	-	764	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1504	-	-	-	590	988
Mov Cap-2 Maneuver	-	-	-	-	590	-
Stage 1	-	-	-	-	875	-
Stage 2	-	-	-	-	764	-

Approach	EB	WB	SB
HCM Control Delay, s	5.1	0	9.7
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1504	-	-	-	851
HCM Lane V/C Ratio	0.076	-	-	-	0.106
HCM Control Delay (s)	7.6	0	-	-	9.7
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0.2	-	-	-	0.4

Intersection	
Int Delay, s/veh	1.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	15	57	78	32	13	7
Future Vol, veh/h	15	57	78	32	13	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	16	61	84	34	14	8

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	118	0	-	0	194	101
Stage 1	-	-	-	-	101	-
Stage 2	-	-	-	-	93	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1470	-	-	-	795	954
Stage 1	-	-	-	-	923	-
Stage 2	-	-	-	-	931	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1470	-	-	-	786	954
Mov Cap-2 Maneuver	-	-	-	-	786	-
Stage 1	-	-	-	-	913	-
Stage 2	-	-	-	-	931	-

Approach	EB	WB	SB
HCM Control Delay, s	1.6	0	9.4
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1470	-	-	-	838
HCM Lane V/C Ratio	0.011	-	-	-	0.026
HCM Control Delay (s)	7.5	0	-	-	9.4
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	7	0	40	20	0
Future Vol, veh/h	0	7	0	40	20	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	86	86	86	86	86	86
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	8	0	47	23	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	70	23	23	0	-	0
Stage 1	23	-	-	-	-	-
Stage 2	47	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	934	1054	1592	-	-	-
Stage 1	1000	-	-	-	-	-
Stage 2	975	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	934	1054	1592	-	-	-
Mov Cap-2 Maneuver	934	-	-	-	-	-
Stage 1	1000	-	-	-	-	-
Stage 2	975	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.4	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1592	-	1054	-	-
HCM Lane V/C Ratio	-	-	0.008	-	-
HCM Control Delay (s)	0	-	8.4	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-

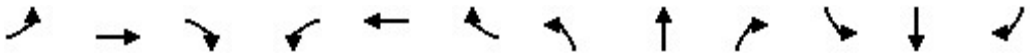
Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	13	56	90	27	20	7
Future Vol, veh/h	13	56	90	27	20	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	86	86	86	86	86	86
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	15	65	105	31	23	8

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	136	0	-	0	216	121
Stage 1	-	-	-	-	121	-
Stage 2	-	-	-	-	95	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1448	-	-	-	772	930
Stage 1	-	-	-	-	904	-
Stage 2	-	-	-	-	929	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1448	-	-	-	764	930
Mov Cap-2 Maneuver	-	-	-	-	764	-
Stage 1	-	-	-	-	894	-
Stage 2	-	-	-	-	929	-

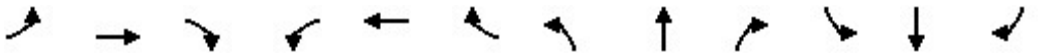
Approach	EB	WB	SB
HCM Control Delay, s	1.4	0	9.7
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1448	-	-	-	801
HCM Lane V/C Ratio	0.01	-	-	-	0.039
HCM Control Delay (s)	7.5	0	-	-	9.7
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	238	766	42	38	688	293	75	163	74	158	97	189
v/c Ratio	0.49	0.52	0.06	0.15	0.71	0.33	0.21	0.39	0.25	0.40	0.16	0.26
Control Delay	28.6	15.9	0.2	30.8	24.2	3.7	28.8	29.3	4.5	29.5	25.8	4.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	28.6	15.9	0.2	30.8	24.2	3.7	28.8	29.3	4.5	29.5	25.8	4.1
Queue Length 50th (ft)	40	114	0	6	112	11	12	28	0	26	16	1
Queue Length 95th (ft)	84	187	0	22	194	49	35	64	14	61	41	38
Internal Link Dist (ft)		1924			1902			1060			859	
Turn Bay Length (ft)	600		525	525		525	170		195	505		325
Base Capacity (vph)	1195	3349	1504	1195	3349	1214	896	1540	756	1195	1849	1026
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.20	0.23	0.03	0.03	0.21	0.24	0.08	0.11	0.10	0.13	0.05	0.18

Intersection Summary



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	212	682	37	34	612	261	67	145	66	141	86	168
Future Volume (veh/h)	212	682	37	34	612	261	67	145	66	141	86	168
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	238	766	42	38	688	293	75	163	74	158	97	189
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	371	1157	516	87	866	510	187	451	201	270	536	409
Arrive On Green	0.11	0.33	0.33	0.03	0.24	0.24	0.05	0.13	0.13	0.08	0.15	0.15
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	238	766	42	38	688	293	75	163	74	158	97	189
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	3.0	8.3	0.8	0.5	8.2	6.9	0.9	1.9	1.9	2.0	1.1	4.5
Cycle Q Clear(g_c), s	3.0	8.3	0.8	0.5	8.2	6.9	0.9	1.9	1.9	2.0	1.1	4.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	371	1157	516	87	866	510	187	451	201	270	536	409
V/C Ratio(X)	0.64	0.66	0.08	0.44	0.79	0.57	0.40	0.36	0.37	0.59	0.18	0.46
Avail Cap(c_a), veh/h	1535	4734	2112	1535	4734	2235	1151	1973	880	1535	1973	1050
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.3	13.1	10.5	21.6	16.0	12.7	20.6	18.0	18.0	20.1	16.7	14.1
Incr Delay (d2), s/veh	0.7	0.2	0.0	1.3	0.6	0.4	0.5	0.2	0.4	0.8	0.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	2.2	0.2	0.2	2.4	2.0	0.3	0.7	0.6	0.7	0.4	1.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.0	13.3	10.5	22.9	16.6	13.1	21.1	18.2	18.4	20.8	16.7	14.4
LnGrp LOS	B	B	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h		1046			1019			312			444	
Approach Delay, s/veh		14.7			15.8			18.9			17.2	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.1	20.7	6.4	11.8	9.8	17.0	7.5	10.7
Change Period (Y+Rc), s	* 5	6.0	* 4	* 5	* 5	6.0	* 4	* 5
Max Green Setting (Gmax), s	* 20	60.0	* 15	* 25	* 20	60.0	* 20	* 25
Max Q Clear Time (g_c+I1), s	2.5	10.3	2.9	6.5	5.0	10.2	4.0	3.9
Green Ext Time (p_c), s	0.0	0.9	0.1	0.3	0.1	0.8	0.1	0.4

Intersection Summary	
HCM 6th Ctrl Delay	16.0
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Intersection Delay, s/veh	23.7
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	155	60	10	5	55	70	5	142	5	95	181	100
Future Vol, veh/h	155	60	10	5	55	70	5	142	5	95	181	100
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	212	82	14	7	75	96	7	195	7	130	248	137
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	18.7	13.1	14	34.3
HCM LOS	C	B	B	D

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	3%	69%	4%	25%
Vol Thru, %	93%	27%	42%	48%
Vol Right, %	3%	4%	54%	27%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	152	225	130	376
LT Vol	5	155	5	95
Through Vol	142	60	55	181
RT Vol	5	10	70	100
Lane Flow Rate	208	308	178	515
Geometry Grp	1	1	1	1
Degree of Util (X)	0.387	0.577	0.332	0.853
Departure Headway (Hd)	6.695	6.741	6.705	5.96
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	535	533	532	608
Service Time	4.776	4.813	4.788	4.02
HCM Lane V/C Ratio	0.389	0.578	0.335	0.847
HCM Control Delay	14	18.7	13.1	34.3
HCM Lane LOS	B	C	B	D
HCM 95th-tile Q	1.8	3.6	1.4	9.4

Intersection	
Int Delay, s/veh	8.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	144	30	56	27	27	262
Future Vol, veh/h	144	30	56	27	27	262
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	71	71	71	71	71	71
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	203	42	79	38	38	369

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	117	0	-	0	546	98
Stage 1	-	-	-	-	98	-
Stage 2	-	-	-	-	448	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1471	-	-	-	499	958
Stage 1	-	-	-	-	926	-
Stage 2	-	-	-	-	644	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1471	-	-	-	429	958
Mov Cap-2 Maneuver	-	-	-	-	429	-
Stage 1	-	-	-	-	795	-
Stage 2	-	-	-	-	644	-

Approach	EB	WB	SB
HCM Control Delay, s	6.5	0	12.9
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1471	-	-	-	859
HCM Lane V/C Ratio	0.138	-	-	-	0.474
HCM Control Delay (s)	7.8	0	-	-	12.9
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.5	-	-	-	2.6

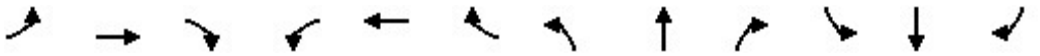
Intersection	
Int Delay, s/veh	3.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	10	37	57	18	44	11
Future Vol, veh/h	10	37	57	18	44	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	88	88	88	88	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	11	42	65	20	50	13

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	85	0	-	0	139	75
Stage 1	-	-	-	-	75	-
Stage 2	-	-	-	-	64	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1512	-	-	-	854	986
Stage 1	-	-	-	-	948	-
Stage 2	-	-	-	-	959	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1512	-	-	-	848	986
Mov Cap-2 Maneuver	-	-	-	-	848	-
Stage 1	-	-	-	-	941	-
Stage 2	-	-	-	-	959	-

Approach	EB	WB	SB
HCM Control Delay, s	1.6	0	9.4
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1512	-	-	-	872
HCM Lane V/C Ratio	0.008	-	-	-	0.072
HCM Control Delay (s)	7.4	0	-	-	9.4
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.2

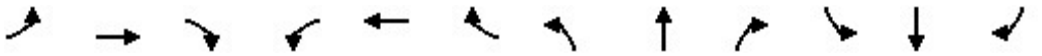


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	253	1289	181	627	976	139	157	583	735	210	483	242
v/c Ratio	0.74	0.99	0.26	0.78	0.55	0.14	0.72	0.97	1.00	0.92	0.79	0.43
Control Delay	68.0	60.6	4.7	52.7	22.9	6.2	76.1	82.8	65.9	99.5	60.0	20.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	68.0	60.6	4.7	52.7	22.9	6.2	76.1	82.8	65.9	99.5	60.0	20.9
Queue Length 50th (ft)	104	535	0	247	275	24	65	250	~562	88	200	85
Queue Length 95th (ft)	133	#573	36	285	315	48	94	#322	#717	#144	238	136
Internal Link Dist (ft)		1924			1902			1060			859	
Turn Bay Length (ft)	600		525	525		525	170		195	505		325
Base Capacity (vph)	425	1330	707	801	1783	1003	223	598	734	229	610	602
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.60	0.97	0.26	0.78	0.55	0.14	0.70	0.97	1.00	0.92	0.79	0.40

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	210	1070	150	520	810	115	130	484	610	174	401	201
Future Volume (veh/h)	210	1070	150	520	810	115	130	484	610	174	401	201
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	253	1289	181	627	976	139	157	583	735	210	483	242
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	310	1347	601	683	1730	885	213	641	599	246	675	443
Arrive On Green	0.09	0.38	0.38	0.20	0.49	0.49	0.06	0.18	0.18	0.07	0.19	0.19
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	253	1289	181	627	976	139	157	583	735	210	483	242
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	8.4	41.2	9.3	20.7	22.6	4.9	5.2	18.7	21.0	7.0	14.8	15.1
Cycle Q Clear(g_c), s	8.4	41.2	9.3	20.7	22.6	4.9	5.2	18.7	21.0	7.0	14.8	15.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	310	1347	601	683	1730	885	213	641	599	246	675	443
V/C Ratio(X)	0.82	0.96	0.30	0.92	0.56	0.16	0.74	0.91	1.23	0.85	0.72	0.55
Avail Cap(c_a), veh/h	457	1425	636	861	1840	934	240	641	599	246	675	443
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.1	35.2	25.3	45.8	21.1	12.5	53.7	46.8	36.2	53.5	44.2	35.7
Incr Delay (d2), s/veh	4.4	14.1	0.1	11.3	0.2	0.0	8.0	16.7	116.4	22.9	3.1	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	18.9	3.5	9.5	8.5	1.7	2.5	9.7	35.7	3.8	6.7	5.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	56.4	49.4	25.4	57.1	21.3	12.5	61.7	63.5	152.6	76.4	47.3	36.5
LnGrp LOS	E	D	C	E	C	B	E	E	F	E	D	D
Approach Vol, veh/h		1723			1742			1475			935	
Approach Delay, s/veh		47.9			33.5			107.7			51.0	
Approach LOS		D			C			F			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	28.0	50.1	11.2	27.1	15.5	62.7	12.3	26.0
Change Period (Y+Rc), s	* 5	6.0	* 4	* 5	* 5	6.0	* 4	* 5
Max Green Setting (Gmax), s	* 29	46.7	* 8.1	* 21	* 15	60.3	* 8.3	* 21
Max Q Clear Time (g_c+I1), s	22.7	43.2	7.2	17.1	10.4	24.6	9.0	23.0
Green Ext Time (p_c), s	0.3	1.0	0.0	0.7	0.1	1.2	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	59.2
HCM 6th LOS	E

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Intersection Delay, s/veh	8.8
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	50	10	16	5	15	30	10	172	10	35	104	60
Future Vol, veh/h	50	10	16	5	15	30	10	172	10	35	104	60
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	54	11	17	5	16	33	11	187	11	38	113	65
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.6	8	9.1	8.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	5%	66%	10%	18%
Vol Thru, %	90%	13%	30%	52%
Vol Right, %	5%	21%	60%	30%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	192	76	50	199
LT Vol	10	50	5	35
Through Vol	172	10	15	104
RT Vol	10	16	30	60
Lane Flow Rate	209	83	54	216
Geometry Grp	1	1	1	1
Degree of Util (X)	0.26	0.114	0.07	0.262
Departure Headway (Hd)	4.48	4.953	4.652	4.353
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	801	722	767	824
Service Time	2.51	2.995	2.695	2.382
HCM Lane V/C Ratio	0.261	0.115	0.07	0.262
HCM Control Delay	9.1	8.6	8	8.9
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1	0.4	0.2	1.1

Intersection	
Int Delay, s/veh	4.8

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	171	166	71	58	30	101
Future Vol, veh/h	171	166	71	58	30	101
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	184	178	76	62	32	109

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	138	0	-	0	653	107
Stage 1	-	-	-	-	107	-
Stage 2	-	-	-	-	546	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1446	-	-	-	432	947
Stage 1	-	-	-	-	917	-
Stage 2	-	-	-	-	580	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1446	-	-	-	371	947
Mov Cap-2 Maneuver	-	-	-	-	371	-
Stage 1	-	-	-	-	788	-
Stage 2	-	-	-	-	580	-

Approach	EB	WB	SB
HCM Control Delay, s	4	0	11.4
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1446	-	-	-	699
HCM Lane V/C Ratio	0.127	-	-	-	0.202
HCM Control Delay (s)	7.9	0	-	-	11.4
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.4	-	-	-	0.7

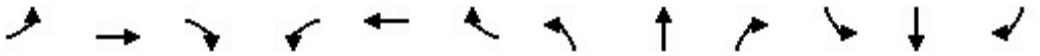
Intersection	
Int Delay, s/veh	2.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	21	70	98	68	36	11
Future Vol, veh/h	21	70	98	68	36	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	86	86	86	86	86	86
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	24	81	114	79	42	13

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	193	0	-	0	283	154
Stage 1	-	-	-	-	154	-
Stage 2	-	-	-	-	129	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1380	-	-	-	707	892
Stage 1	-	-	-	-	874	-
Stage 2	-	-	-	-	897	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1380	-	-	-	694	892
Mov Cap-2 Maneuver	-	-	-	-	694	-
Stage 1	-	-	-	-	858	-
Stage 2	-	-	-	-	897	-

Approach	EB	WB	SB
HCM Control Delay, s	1.8	0	10.3
HCM LOS			B

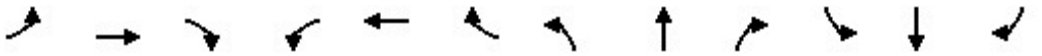
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1380	-	-	-	732
HCM Lane V/C Ratio	0.018	-	-	-	0.075
HCM Control Delay (s)	7.7	0	-	-	10.3
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.2



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	382	1090	112	809	921	370	247	504	607	181	545	326
v/c Ratio	0.80	0.94	0.18	0.94	0.59	0.40	0.84	0.78	0.78	0.73	0.91	0.53
Control Delay	65.1	55.3	3.5	64.5	28.1	14.3	81.2	58.1	33.1	74.4	70.6	24.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	65.1	55.3	3.5	64.5	28.1	14.3	81.2	58.1	33.1	74.4	70.6	24.9
Queue Length 50th (ft)	159	451	0	337	290	132	105	211	375	76	233	145
Queue Length 95th (ft)	209	536	27	#465	374	215	#184	#282	553	#121	#336	229
Internal Link Dist (ft)		1924			1902			1060			859	
Turn Bay Length (ft)	600		525	525		525	170		195	505		325
Base Capacity (vph)	617	1331	679	906	1646	929	294	662	802	277	642	680
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.62	0.82	0.16	0.89	0.56	0.40	0.84	0.76	0.76	0.65	0.85	0.48

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	340	970	100	720	820	329	220	449	540	161	485	290
Future Volume (veh/h)	340	970	100	720	820	329	220	449	540	161	485	290
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	382	1090	112	809	921	370	247	504	607	181	545	326
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	436	1153	514	857	1585	815	293	699	704	235	638	485
Arrive On Green	0.13	0.32	0.32	0.25	0.45	0.45	0.08	0.20	0.20	0.07	0.18	0.18
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	382	1090	112	809	921	370	247	504	607	181	545	326
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	13.3	36.6	6.3	28.2	23.7	18.1	8.6	16.3	24.1	6.3	18.2	22.0
Cycle Q Clear(g_c), s	13.3	36.6	6.3	28.2	23.7	18.1	8.6	16.3	24.1	6.3	18.2	22.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	436	1153	514	857	1585	815	293	699	704	235	638	485
V/C Ratio(X)	0.88	0.95	0.22	0.94	0.58	0.45	0.84	0.72	0.86	0.77	0.85	0.67
Avail Cap(c_a), veh/h	615	1323	590	903	1618	829	293	699	704	276	638	485
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.6	40.3	30.1	45.3	25.4	18.9	55.3	46.1	30.6	56.2	48.7	37.2
Incr Delay (d2), s/veh	7.7	12.2	0.1	17.2	0.3	0.1	18.4	3.2	10.2	8.7	10.4	3.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.0	16.9	2.4	13.4	9.3	6.5	4.5	7.4	17.5	3.0	8.9	8.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	60.3	52.5	30.2	62.4	25.7	19.0	73.7	49.3	40.8	64.9	59.1	40.1
LnGrp LOS	E	D	C	E	C	B	E	D	D	E	E	D
Approach Vol, veh/h		1584			2100			1358			1052	
Approach Delay, s/veh		52.8			38.7			49.9			54.2	
Approach LOS		D			D			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	35.4	45.8	14.4	27.0	20.5	60.7	12.3	29.1
Change Period (Y+Rc), s	* 5	6.0	* 4	* 5	* 5	6.0	* 4	* 5
Max Green Setting (Gmax), s	* 32	45.6	* 10	* 22	* 22	55.8	* 9.8	* 23
Max Q Clear Time (g_c+I1), s	30.2	38.6	10.6	24.0	15.3	25.7	8.3	26.1
Green Ext Time (p_c), s	0.2	1.1	0.0	0.0	0.2	1.1	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	47.5
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	63.1	54.2	1.4	41.5

2: GEORGE WASHINGTON BLVD & SR 20 Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.2	1.8	2.3	0.0	1.1
Total Del/Veh (s)	69.0	53.0	71.3	19.3	59.0

Total Zone Performance

Denied Del/Veh (s)	1.4
Total Del/Veh (s)	305.0

Intersection: 1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD

Movement	EB	WB
Directions Served	TR	LT
Maximum Queue (ft)	261	304
Average Queue (ft)	167	211
95th Queue (ft)	325	350
Link Distance (ft)	2556	1180
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: GEORGE WASHINGTON BLVD & SR 20

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	R	LT	R	LT	R
Maximum Queue (ft)	162	597	619	160	311	426	232	100	579	135	70	29
Average Queue (ft)	38	465	495	99	256	272	159	62	418	90	66	7
95th Queue (ft)	196	698	722	207	371	502	284	121	757	193	72	34
Link Distance (ft)		4735	4735			768	768		911		61	
Upstream Blk Time (%)									0		59	0
Queuing Penalty (veh)									0		255	0
Storage Bay Dist (ft)	280			100	225			700		75		20
Storage Blk Time (%)		36	62	0	37	2			67		66	1
Queuing Penalty (veh)		4	106	0	108	4			173		16	5

Zone Summary

Zone wide Queuing Penalty: 672

1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.0
Total Del/Veh (s)	23.3	23.9	1.1	12.2

2: GEORGE WASHINGTON BLVD & SR 20 Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.2	0.7	2.5	0.0	1.0
Total Del/Veh (s)	59.5	35.2	65.3	22.7	49.1

Total Zone Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	320.8

Intersection: 1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD

Movement	EB	WB	NB
Directions Served	TR	LT	LR
Maximum Queue (ft)	114	153	3
Average Queue (ft)	72	87	1
95th Queue (ft)	153	177	6
Link Distance (ft)	2556	1180	61
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 2: GEORGE WASHINGTON BLVD & SR 20

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	R	LT	R	LT	R
Maximum Queue (ft)	99	390	425	160	274	306	246	166	804	135	69	43
Average Queue (ft)	38	302	331	129	202	187	173	103	535	121	66	11
95th Queue (ft)	133	436	476	212	308	328	283	211	928	187	73	48
Link Distance (ft)		4735	4735			768	768		911		61	
Upstream Blk Time (%)									0		43	0
Queuing Penalty (veh)									0		118	0
Storage Bay Dist (ft)	280			100	225			700		75		20
Storage Blk Time (%)		17	61	0	10	3			62	0	62	2
Queuing Penalty (veh)		6	116	2	37	10			259	0	14	4

Zone Summary

Zone wide Queuing Penalty: 566

1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	91.1	85.1	1.4	61.8

2: GEORGE WASHINGTON BLVD & SR 20 Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.2	2.2	4.3	0.0	1.6
Total Del/Veh (s)	69.8	57.0	106.3	19.7	66.7

Total Zone Performance

Denied Del/Veh (s)	2.1
Total Del/Veh (s)	410.9

EB

91.1
19.7
110.8

WB

85.1
19.7
104.8

Intersection: 1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD

Movement	EB	WB
Directions Served	TR	LT
Maximum Queue (ft)	365	508
Average Queue (ft)	216	276
95th Queue (ft)	432	581
Link Distance (ft)	2556	1180
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	464	513
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 2: GEORGE WASHINGTON BLVD & SR 20

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	R	LT	R	LT	R
Maximum Queue (ft)	75	558	568	160	313	439	328	134	779	135	71	28
Average Queue (ft)	15	414	444	96	246	243	186	71	535	87	67	6
95th Queue (ft)	96	591	621	211	358	486	348	152	921	191	73	34
Link Distance (ft)		4735	4735			768	768		911		61	
Upstream Blk Time (%)									7		59	0
Queuing Penalty (veh)									0		261	0
Storage Bay Dist (ft)	280			100	225			700		75		20
Storage Blk Time (%)		31	62	0	40	2			73		65	1
Queuing Penalty (veh)		4	106	1	117	5			189		18	3

Zone Summary

Zone wide Queuing Penalty: 703

Intersection	
Intersection Delay, s/veh	23.9
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	155	60	10	5	55	70	6	144	5	95	181	100
Future Vol, veh/h	155	60	10	5	55	70	6	144	5	95	181	100
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	212	82	14	7	75	96	8	197	7	130	248	137
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	18.8	13.2	14.1	34.6
HCM LOS	C	B	B	D

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	4%	69%	4%	25%
Vol Thru, %	93%	27%	42%	48%
Vol Right, %	3%	4%	54%	27%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	155	225	130	376
LT Vol	6	155	5	95
Through Vol	144	60	55	181
RT Vol	5	10	70	100
Lane Flow Rate	212	308	178	515
Geometry Grp	1	1	1	1
Degree of Util (X)	0.395	0.579	0.333	0.855
Departure Headway (Hd)	6.702	6.758	6.725	5.975
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	533	530	531	603
Service Time	4.788	4.832	4.812	4.037
HCM Lane V/C Ratio	0.398	0.581	0.335	0.854
HCM Control Delay	14.1	18.8	13.2	34.6
HCM Lane LOS	B	C	B	D
HCM 95th-tile Q	1.9	3.6	1.5	9.4

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	1	173	0	0	289
Future Vol, veh/h	0	1	173	0	0	289
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	1	188	0	0	314

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	502	188	0	0	188	0
Stage 1	188	-	-	-	-	-
Stage 2	314	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	529	854	-	-	1386	-
Stage 1	844	-	-	-	-	-
Stage 2	741	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	529	854	-	-	1386	-
Mov Cap-2 Maneuver	529	-	-	-	-	-
Stage 1	844	-	-	-	-	-
Stage 2	741	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.2	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	854	1386	-
HCM Lane V/C Ratio	-	-	0.001	-	-
HCM Control Delay (s)	-	-	9.2	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	8.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	144	34	67	29	27	262
Future Vol, veh/h	144	34	67	29	27	262
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	71	71	71	71	71	71
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	203	48	94	41	38	369

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	135	0	-	0	569	115
Stage 1	-	-	-	-	115	-
Stage 2	-	-	-	-	454	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1449	-	-	-	484	937
Stage 1	-	-	-	-	910	-
Stage 2	-	-	-	-	640	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1449	-	-	-	414	937
Mov Cap-2 Maneuver	-	-	-	-	414	-
Stage 1	-	-	-	-	779	-
Stage 2	-	-	-	-	640	-

Approach	EB	WB	SB
HCM Control Delay, s	6.4	0	13.3
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1449	-	-	-	838
HCM Lane V/C Ratio	0.14	-	-	-	0.486
HCM Control Delay (s)	7.9	0	-	-	13.3
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.5	-	-	-	2.7

Intersection	
Int Delay, s/veh	1.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	7	55	83	10	21	12
Future Vol, veh/h	7	55	83	10	21	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	60	90	11	23	13

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	101	0	-	0	172	96
Stage 1	-	-	-	-	96	-
Stage 2	-	-	-	-	76	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1491	-	-	-	818	960
Stage 1	-	-	-	-	928	-
Stage 2	-	-	-	-	947	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1491	-	-	-	813	960
Mov Cap-2 Maneuver	-	-	-	-	813	-
Stage 1	-	-	-	-	922	-
Stage 2	-	-	-	-	947	-

Approach	EB	WB	SB
HCM Control Delay, s	0.8	0	9.4
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1491	-	-	-	861
HCM Lane V/C Ratio	0.005	-	-	-	0.042
HCM Control Delay (s)	7.4	0	-	-	9.4
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1

Intersection	
Int Delay, s/veh	1.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	12	0	29	55	0
Future Vol, veh/h	0	12	0	29	55	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	13	0	32	60	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	92	60	60	0	-	0
Stage 1	60	-	-	-	-	-
Stage 2	32	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	908	1005	1544	-	-	-
Stage 1	963	-	-	-	-	-
Stage 2	991	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	908	1005	1544	-	-	-
Mov Cap-2 Maneuver	908	-	-	-	-	-
Stage 1	963	-	-	-	-	-
Stage 2	991	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.6	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1544	-	1005	-	-
HCM Lane V/C Ratio	-	-	0.013	-	-
HCM Control Delay (s)	0	-	8.6	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-

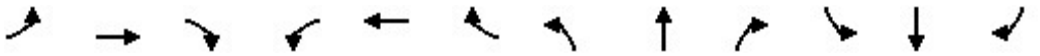
Intersection	
Int Delay, s/veh	3.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	10	57	67	18	55	12
Future Vol, veh/h	10	57	67	18	55	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	88	88	88	88	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	11	65	76	20	63	14

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	96	0	-	0	173	86
Stage 1	-	-	-	-	86	-
Stage 2	-	-	-	-	87	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1498	-	-	-	817	973
Stage 1	-	-	-	-	937	-
Stage 2	-	-	-	-	936	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1498	-	-	-	810	973
Mov Cap-2 Maneuver	-	-	-	-	810	-
Stage 1	-	-	-	-	930	-
Stage 2	-	-	-	-	936	-

Approach	EB	WB	SB
HCM Control Delay, s	1.1	0	9.7
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1498	-	-	-	835
HCM Lane V/C Ratio	0.008	-	-	-	0.091
HCM Control Delay (s)	7.4	0	-	-	9.7
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.3

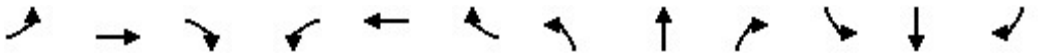


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	254	1289	181	627	976	143	157	587	735	225	494	243
v/c Ratio	0.75	0.99	0.26	0.78	0.55	0.14	0.72	0.98	1.00	0.98	0.81	0.43
Control Delay	68.1	60.6	4.7	52.7	22.9	6.3	76.1	84.2	65.9	113.6	61.2	21.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	68.1	60.6	4.7	52.7	22.9	6.3	76.1	84.2	65.9	113.6	61.2	21.0
Queue Length 50th (ft)	104	535	0	247	275	25	65	252	~562	95	205	86
Queue Length 95th (ft)	134	#573	36	285	315	50	94	#325	#717	#157	244	136
Internal Link Dist (ft)		1924			1902			1060			859	
Turn Bay Length (ft)	600		525	525		525	170		195	505		325
Base Capacity (vph)	425	1330	707	801	1783	1002	223	598	734	229	610	602
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.60	0.97	0.26	0.78	0.55	0.14	0.70	0.98	1.00	0.98	0.81	0.40

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	211	1070	150	520	810	119	130	487	610	187	410	202
Future Volume (veh/h)	211	1070	150	520	810	119	130	487	610	187	410	202
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	254	1289	181	627	976	143	157	587	735	225	494	243
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	311	1347	601	683	1729	884	213	641	599	246	675	444
Arrive On Green	0.09	0.38	0.38	0.20	0.49	0.49	0.06	0.18	0.18	0.07	0.19	0.19
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	254	1289	181	627	976	143	157	587	735	225	494	243
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	8.4	41.2	9.3	20.7	22.6	5.1	5.2	18.9	21.0	7.5	15.2	15.2
Cycle Q Clear(g_c), s	8.4	41.2	9.3	20.7	22.6	5.1	5.2	18.9	21.0	7.5	15.2	15.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	311	1347	601	683	1729	884	213	641	599	246	675	444
V/C Ratio(X)	0.82	0.96	0.30	0.92	0.56	0.16	0.74	0.92	1.23	0.91	0.73	0.55
Avail Cap(c_a), veh/h	457	1425	636	861	1840	934	240	641	599	246	675	444
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.0	35.2	25.3	45.8	21.2	12.5	53.7	46.9	36.2	53.7	44.4	35.7
Incr Delay (d2), s/veh	4.5	14.1	0.1	11.3	0.2	0.0	8.0	17.7	116.4	34.4	3.6	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	18.9	3.5	9.5	8.5	1.8	2.5	9.8	35.7	4.4	7.0	5.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	56.5	49.4	25.4	57.1	21.3	12.5	61.7	64.5	152.6	88.2	48.0	36.5
LnGrp LOS	E	D	C	E	C	B	E	E	F	F	D	D
Approach Vol, veh/h		1724			1746			1479			962	
Approach Delay, s/veh		47.9			33.5			108.0			54.5	
Approach LOS		D			C			F			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	28.0	50.1	11.2	27.1	15.5	62.7	12.3	26.0
Change Period (Y+Rc), s	* 5	6.0	* 4	* 5	* 5	6.0	* 4	* 5
Max Green Setting (Gmax), s	* 29	46.7	* 8.1	* 21	* 15	60.3	* 8.3	* 21
Max Q Clear Time (g_c+I1), s	22.7	43.2	7.2	17.2	10.4	24.6	9.5	23.0
Green Ext Time (p_c), s	0.3	1.0	0.0	0.7	0.1	1.2	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	59.7
HCM 6th LOS	E

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.0
Total Del/Veh (s)	34.8	37.3	1.2	19.5

2: GEORGE WASHINGTON BLVD & SR 20 Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.3	2.3	11.8	0.0	3.7
Total Del/Veh (s)	58.9	48.7	89.6	20.8	58.5

Total Zone Performance

Denied Del/Veh (s)	4.8
Total Del/Veh (s)	492.3

EB	WB
34.8	37.3
20.8	20.8
55.6	58.1

Intersection: 1: GEORGE WASHINGTON BLVD & NORTH COLUSA FRONTAGE RD

Movement	EB	WB	NB
Directions Served	TR	LT	LR
Maximum Queue (ft)	175	226	8
Average Queue (ft)	93	116	1
95th Queue (ft)	183	221	11
Link Distance (ft)	2556	1180	61
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	218	256	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 2: GEORGE WASHINGTON BLVD & SR 20

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	T	R	L	T	T	R	LT	R	LT	R
Maximum Queue (ft)	214	442	464	160	312	425	367	161	829	135	70	34
Average Queue (ft)	65	291	312	120	245	273	223	96	598	93	66	6
95th Queue (ft)	204	450	485	220	365	477	375	173	1054	195	72	30
Link Distance (ft)		4735	4735			768	768		911		61	
Upstream Blk Time (%)									17		51	0
Queuing Penalty (veh)									0		145	0
Storage Bay Dist (ft)	280			100	225			700		75		20
Storage Blk Time (%)		14	56	0	29	5			65		65	2
Queuing Penalty (veh)		5	105	1	106	16			273		16	4

Zone Summary

Zone wide Queuing Penalty: 672

Intersection	
Intersection Delay, s/veh	8.9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	50	10	16	5	15	30	11	174	10	35	107	60
Future Vol, veh/h	50	10	16	5	15	30	11	174	10	35	107	60
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	54	11	17	5	16	33	12	189	11	38	116	65
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	8.7	8.1	9.1	9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	6%	66%	10%	17%
Vol Thru, %	89%	13%	30%	53%
Vol Right, %	5%	21%	60%	30%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	195	76	50	202
LT Vol	11	50	5	35
Through Vol	174	10	15	107
RT Vol	10	16	30	60
Lane Flow Rate	212	83	54	220
Geometry Grp	1	1	1	1
Degree of Util (X)	0.264	0.114	0.07	0.266
Departure Headway (Hd)	4.485	4.97	4.668	4.359
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	801	720	765	823
Service Time	2.515	3.009	2.71	2.388
HCM Lane V/C Ratio	0.265	0.115	0.071	0.267
HCM Control Delay	9.1	8.7	8.1	9
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1.1	0.4	0.2	1.1

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	1	230	0	0	135
Future Vol, veh/h	0	1	230	0	0	135
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	1	247	0	0	145

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	392	247	0	0	247	0
Stage 1	247	-	-	-	-	-
Stage 2	145	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	612	792	-	-	1319	-
Stage 1	794	-	-	-	-	-
Stage 2	882	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	612	792	-	-	1319	-
Mov Cap-2 Maneuver	612	-	-	-	-	-
Stage 1	794	-	-	-	-	-
Stage 2	882	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.6	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	792	1319	-
HCM Lane V/C Ratio	-	-	0.001	-	-
HCM Control Delay (s)	-	-	9.6	0	-
HCM Lane LOS	-	-	A	A	-
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	4.8

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	171	176	76	59	34	101
Future Vol, veh/h	171	176	76	59	34	101
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	184	189	82	63	37	109

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	145	0	-	0	671	114
Stage 1	-	-	-	-	114	-
Stage 2	-	-	-	-	557	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1437	-	-	-	422	939
Stage 1	-	-	-	-	911	-
Stage 2	-	-	-	-	574	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1437	-	-	-	362	939
Mov Cap-2 Maneuver	-	-	-	-	362	-
Stage 1	-	-	-	-	781	-
Stage 2	-	-	-	-	574	-

Approach	EB	WB	SB
HCM Control Delay, s	3.9	0	11.9
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1437	-	-	-	670
HCM Lane V/C Ratio	0.128	-	-	-	0.217
HCM Control Delay (s)	7.9	0	-	-	11.9
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.4	-	-	-	0.8

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	17	195	127	34	13	7
Future Vol, veh/h	17	195	127	34	13	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	18	210	137	37	14	8

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	174	0	-	0	402	156
Stage 1	-	-	-	-	156	-
Stage 2	-	-	-	-	246	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1403	-	-	-	604	890
Stage 1	-	-	-	-	872	-
Stage 2	-	-	-	-	795	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1403	-	-	-	595	890
Mov Cap-2 Maneuver	-	-	-	-	595	-
Stage 1	-	-	-	-	859	-
Stage 2	-	-	-	-	795	-

Approach	EB	WB	SB
HCM Control Delay, s	0.6	0	10.5
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1403	-	-	-	673
HCM Lane V/C Ratio	0.013	-	-	-	0.032
HCM Control Delay (s)	7.6	0	-	-	10.5
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.1

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	7	0	89	47	0
Future Vol, veh/h	0	7	0	89	47	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	86	86	86	86	86	86
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	8	0	103	55	0

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	158	55	55	0	-	0
Stage 1	55	-	-	-	-	-
Stage 2	103	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	833	1012	1550	-	-	-
Stage 1	968	-	-	-	-	-
Stage 2	921	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	833	1012	1550	-	-	-
Mov Cap-2 Maneuver	833	-	-	-	-	-
Stage 1	968	-	-	-	-	-
Stage 2	921	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.6	0	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1550	-	1012	-	-
HCM Lane V/C Ratio	-	-	0.008	-	-
HCM Control Delay (s)	0	-	8.6	-	-
HCM Lane LOS	A	-	A	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-

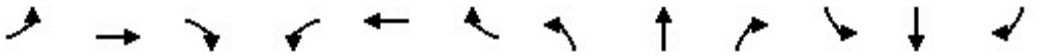
Intersection	
Int Delay, s/veh	2.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	21	83	132	68	44	11
Future Vol, veh/h	21	83	132	68	44	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	86	86	86	86	86	86
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	24	97	153	79	51	13

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	232	0	-	0	338	193
Stage 1	-	-	-	-	193	-
Stage 2	-	-	-	-	145	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1336	-	-	-	658	849
Stage 1	-	-	-	-	840	-
Stage 2	-	-	-	-	882	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1336	-	-	-	645	849
Mov Cap-2 Maneuver	-	-	-	-	645	-
Stage 1	-	-	-	-	824	-
Stage 2	-	-	-	-	882	-

Approach	EB	WB	SB
HCM Control Delay, s	1.6	0	10.9
HCM LOS			B

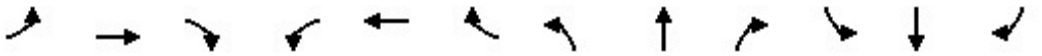
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1336	-	-	-	678
HCM Lane V/C Ratio	0.018	-	-	-	0.094
HCM Control Delay (s)	7.7	0	-	-	10.9
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.3



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	383	1090	112	809	921	387	247	513	607	191	551	326
v/c Ratio	0.81	0.94	0.18	0.94	0.59	0.42	0.85	0.80	0.78	0.76	0.91	0.53
Control Delay	65.3	55.5	3.5	64.7	28.2	14.7	81.5	59.1	33.2	76.2	71.1	24.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	65.3	55.5	3.5	64.7	28.2	14.7	81.5	59.1	33.2	76.2	71.1	24.8
Queue Length 50th (ft)	159	451	0	337	290	142	105	215	375	80	236	145
Queue Length 95th (ft)	209	536	27	#465	374	228	#184	#297	553	#132	#342	229
Internal Link Dist (ft)		1924			1902			1060			859	
Turn Bay Length (ft)	600		525	525		525	170		195	505		325
Base Capacity (vph)	616	1328	678	904	1643	928	293	660	801	276	640	681
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.62	0.82	0.17	0.89	0.56	0.42	0.84	0.78	0.76	0.69	0.86	0.48

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	341	970	100	720	820	344	220	457	540	170	490	290
Future Volume (veh/h)	341	970	100	720	820	344	220	457	540	170	490	290
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	383	1090	112	809	921	387	247	513	607	191	551	326
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	437	1153	514	857	1584	819	293	688	700	244	638	485
Arrive On Green	0.13	0.32	0.32	0.25	0.45	0.45	0.08	0.19	0.19	0.07	0.18	0.18
Sat Flow, veh/h	3456	3554	1585	3456	3554	1585	3456	3554	1585	3456	3554	1585
Grp Volume(v), veh/h	383	1090	112	809	921	387	247	513	607	191	551	326
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1728	1777	1585	1728	1777	1585	1728	1777	1585
Q Serve(g_s), s	13.3	36.6	6.3	28.2	23.8	19.1	8.6	16.7	23.7	6.7	18.4	22.0
Cycle Q Clear(g_c), s	13.3	36.6	6.3	28.2	23.8	19.1	8.6	16.7	23.7	6.7	18.4	22.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	437	1153	514	857	1584	819	293	688	700	244	638	485
V/C Ratio(X)	0.88	0.95	0.22	0.94	0.58	0.47	0.84	0.75	0.87	0.78	0.86	0.67
Avail Cap(c_a), veh/h	615	1323	590	903	1618	834	293	688	700	276	638	485
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.6	40.3	30.1	45.3	25.4	18.9	55.3	46.5	31.0	56.0	48.8	37.1
Incr Delay (d2), s/veh	7.8	12.2	0.1	17.2	0.3	0.2	18.4	3.9	10.8	10.3	11.3	3.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.0	16.9	2.4	13.4	9.3	6.9	4.5	7.7	17.7	3.2	9.1	8.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	60.4	52.5	30.2	62.4	25.7	19.1	73.7	50.5	41.7	66.3	60.1	40.1
LnGrp LOS	E	D	C	E	C	B	E	D	D	E	E	D
Approach Vol, veh/h		1585			2117			1367			1068	
Approach Delay, s/veh		52.8			38.5			50.8			55.1	
Approach LOS		D			D			D			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	35.4	45.8	14.4	27.0	20.5	60.6	12.7	28.7
Change Period (Y+Rc), s	* 5	6.0	* 4	* 5	* 5	6.0	* 4	* 5
Max Green Setting (Gmax), s	* 32	45.6	* 10	* 22	* 22	55.8	* 9.8	* 23
Max Q Clear Time (g_c+I1), s	30.2	38.6	10.6	24.0	15.3	25.8	8.7	25.7
Green Ext Time (p_c), s	0.2	1.1	0.0	0.0	0.2	1.1	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	47.8
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.