

## Appendix J

### FAA Notice of Proposed Construction or Alteration



Mail Processing Center  
Federal Aviation Administration  
Southwest Regional Office  
Obstruction Evaluation Group  
10101 Hillwood Parkway  
Fort Worth, TX 76177

Aeronautical Study No.  
2022-AWP-2144-OE

Issued Date: 03/08/2022

Dino Beltran  
Koi Nation of Northern California  
P.O. Box 3162  
Santa Rosa, CA 95402

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building Shiloh Resort and Casino
Location:	Windsor, CA
Latitude:	38-31-30.44N NAD 83
Longitude:	122-46-21.57W
Heights:	143 feet site elevation (SE) 80 feet above ground level (AGL) 223 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

\_\_\_\_ At least 10 days prior to start of construction (7460-2, Part 1)  
\_\_X\_\_ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

This determination expires on 09/08/2023 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.



NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

This determination cancels and supersedes prior determinations issued for this structure.

If we can be of further assistance, please contact our office at (424) 405-7641, or [tameria.burch@faa.gov](mailto:tameria.burch@faa.gov). On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-AWP-2144-OE.

**Signature Control No: 510378452-516623948**

( DNE )

Tameria Burch  
Technician

## Appendix K

### Farmland Conversion Impact Rating Form

# FARMLAND CONVERSION IMPACT RATING

**PART I** (To be completed by Federal Agency)

Date Of Land Evaluation Request 9/8/22

Name Of Project	Koi Nation Shiloh Resort and Casino	Federal Agency Involved	Bureau of Indian Affairs
Proposed Land Use	Resort and Casino Facility	County And State	Sonoma, California

**PART II** (To be completed by NRCS)Date Request Received By  
NRCS 9/8/2022

Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).	Yes	Acres Irrigated	86,433	Average Farm Size	158
Major Crop(s) Winegrapes, milk, livestock, and poultry	Farmable Land In Govt. Jurisdiction Acres: 329,216 % 32.1	Amount Of Farmland As Defined in FPPA Acres: 193,033		18.8 %	
Name Of Land Evaluation System Used CA Revised Storie Index	Name Of Local Site Assessment System N/A	Date Land Evaluation Returned By NRCS	9/12/2022		

**PART III** (To be completed by Federal Agency)

	Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly	52.78	45.33	24.02	
B. Total Acres To Be Converted Indirectly				
C. Total Acres In Site	68.6	68.6	68.6	

**PART IV** (To be completed by NRCS) Land Evaluation Information

A. Total Acres Prime And Unique Farmland	10.9	6.20	4	
B. Total Acres Statewide And Local Important Farmland	36.0	36	20.8	
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted	0.0243	0.0219	0.0128	
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value	16.0	16.22	6.47	

**PART V** (To be completed by NRCS) Land Evaluation Criterion

Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)	67	66	80	
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**PART VI** (To be completed by Federal Agency)

Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))

	Maximum Points				
1. Area In Nonurban Use		8	8	8	
2. Perimeter In Nonurban Use		4	4	4	
3. Percent Of Site Being Farmed		19	19	19	
4. Protection Provided By State And Local Government		20	20	20	
5. Distance From Urban Builtup Area		0	0	0	
6. Distance To Urban Support Services		0	0	0	
7. Size Of Present Farm Unit Compared To Average		0	0	0	
8. Creation Of Nonfarmable Farmland		0	0	0	
9. Availability Of Farm Support Services		5	5	5	
10. On-Farm Investments		20	20	20	
11. Effects Of Conversion On Farm Support Services		0	0	0	
12. Compatibility With Existing Agricultural Use		1	1	1	
TOTAL SITE ASSESSMENT POINTS	160	77	77	77	

**PART VII** (To be completed by Federal Agency)

Relative Value Of Farmland (From Part V)	100	67	66	80	
Total Site Assessment (From Part VI above or a local site assessment)	160	77	77	77	
TOTAL POINTS (Total of above 2 lines)	260	144	143	157	

Site Selected:

Date Of Selection

Was A Local Site Assessment Used?  
Yes No X

Reason For Selection:

## Appendix L

### Noise and Vibration Assessment

# Environmental Noise & Vibration Assessment

## Koi Nation Shiloh Resort & Casino

Sonoma County, California

BAC Job # 2022-051

Prepared For:

### **Acorn Environmental**

Ms. Ryan Sawyer  
5170 Golden Foothill Parkway  
El Dorado Hills, CA 95762

Prepared By:

### **Bollard Acoustical Consultants, Inc.**



Paul Bollard, President

April 17, 2024



# Table of Contents

Table of Contents .....	1
Introduction.....	3
Project Alternatives .....	3
Alternative A: Proposed Project .....	3
Alternative B: Reduced Intensity Alternative.....	4
Alternative C: Non-Gaming Alternative .....	4
Alternative D: No Action Alternative .....	4
Affected Environment.....	9
Acoustical Background and Terminology.....	9
General .....	9
Effects of Noise on People.....	11
Vibration Background & Terminology .....	12
Regulatory Setting.....	13
Federal Highway Administration Construction Noise Abatement Criteria .....	13
Federal Noise Abatement Criteria.....	13
Sonoma County General Plan Noise Element.....	14
Town of Windsor General Plan Public Health and Safety Element .....	18
Criteria for Acceptable Vibration Exposure .....	20
Environmental Setting .....	21
Land Uses in the Project Vicinity .....	21
Noise Sources Affecting the Project Vicinity .....	21
Long-Term Ambient Noise Survey .....	21
Existing Traffic Noise Levels Along the Project-Area Roadway Network .....	24
Existing Ambient Vibration Environment.....	25
Environmental Consequences .....	26
Impact Assessment Criteria .....	26
Assessment Methodology .....	26
Off-Site Traffic Noise and Project Traffic Noise Increases .....	26
Project Construction Noise & Vibration.....	26
On-Site Operational Noise .....	27

Alternative A – Proposed Project .....	27
Construction Noise .....	27
Construction Vibration .....	28
Off-Site Traffic Noise .....	29
On-Site Operational Noise .....	33
Alternative B – Reduced Intensity Project .....	36
Construction Noise .....	36
Construction Vibration .....	37
Off-Site Traffic Noise .....	38
On-Site Operational Noise .....	41
Alternative C – Non-Gaming Project .....	45
Construction Noise .....	45
Construction Vibration .....	46
Off-Site Traffic Noise .....	47
On-Site Operational Noise .....	50

## Introduction

The Koi Nation of Northern California proposes to construct and operate the Shiloh Resort and Casino (Project), on an approximately 67-acre site within Sonoma County, California. It is bordered partially by the Town of Windsor and mostly by unincorporated Sonoma County. Existing land uses in the immediate project vicinity include residential, agricultural, and commercial. The existing Project area is currently used as an active vineyard containing a residence. The Project location is shown on Figure 1.

Bollard Acoustical Consultants, Inc. (BAC) was retained by the project environmental consultant, Acorn Environmental, to prepare this noise and vibration impact assessment in support of the Draft Environmental Assessment (EA) being prepared for this project per the National Environmental Policy Act (NEPA) guidelines.

## Project Alternatives

### Alternative A: Proposed Project

Alternative A constitutes the proposed project and consists of the following components: development of a three-story casino, a five-story hotel with spa and pool area, ballrooms/meeting space, event center, and associated parking and infrastructure on the Project Site. Alternative A is shown on Figure 2.

The resort would be open 24 hours a day, 7 days a week. The proposed hotel would include 400 guest rooms. It is anticipated that the event center would host concerts and performances while the ballrooms/meeting space would host banquets, conferences, or other special events. Parking for the resort facility would be provided on the ground floor of the casino, as well as a four-story parking garage and paved surface parking lot on the eastern side of Pruitt Creek. An enclosed pedestrian bridge would connect the parking garage with the casino approximately 12 feet above Pruitt Creek.

Other supporting infrastructure, including the proposed water treatment and wastewater treatment facilities would be located on the southeastern portion of the Project Site. Some water treatment and wastewater treatment facility equipment would be located in a building or would be included on a fully enclosed equipment pad for sound attenuation. An operations building would be constructed to house plant controls, the motor control center, maintenance facilities, chemical storage and metering, a laboratory, restroom/washroom, and offices/space for staff.

Emergency onsite generators will be installed to provide power to the development in the event that PG&E is unable to provide electricity due to a planned or unplanned disruption in service. There would be five 1650kW (2062 kVA) diesel generators (Cat® 3516C or similar), with one generator providing redundancy. These generators would each be situated on 8 to 12 foot rebar re-enforced pads.

Construction of Alternative A is conservatively assumed to occur in one phase beginning in 2026 and lasting 18 to 24 months, with an anticipated opening day in 2028. Construction of the parking garage and parking lot, on-site utilities, and landscaping would occur simultaneously with construction of the resort and casino.



## Alternative B: Reduced Intensity Alternative

Alternative B consists of the following components: development by the Tribe of a resort facility that includes a three-story casino, a three-story hotel with spa and pool area, ballroom/meeting space, and associated parking and infrastructure on the Project Site. Alternative B is similar to Alternative A, except that the number of hotel rooms is reduced to 200 and the large ballroom, the event center, and the surface parking lot are eliminated. The conceptual site plan for Alternative B is shown in Figure 3.

As with Alternative A, Alternative B would be open 24 hours a day, 7 days a week. Alternative B would employ fewer people and attract fewer patrons than Alternative A. Water supply, wastewater treatment and disposal, grading and drainage, roadway access and circulation, and utilities under Alternative B would be similar to Alternative A but with a reduced demand for services due to the smaller development size. The construction methods for Alternative B would be identical to those for Alternative A.

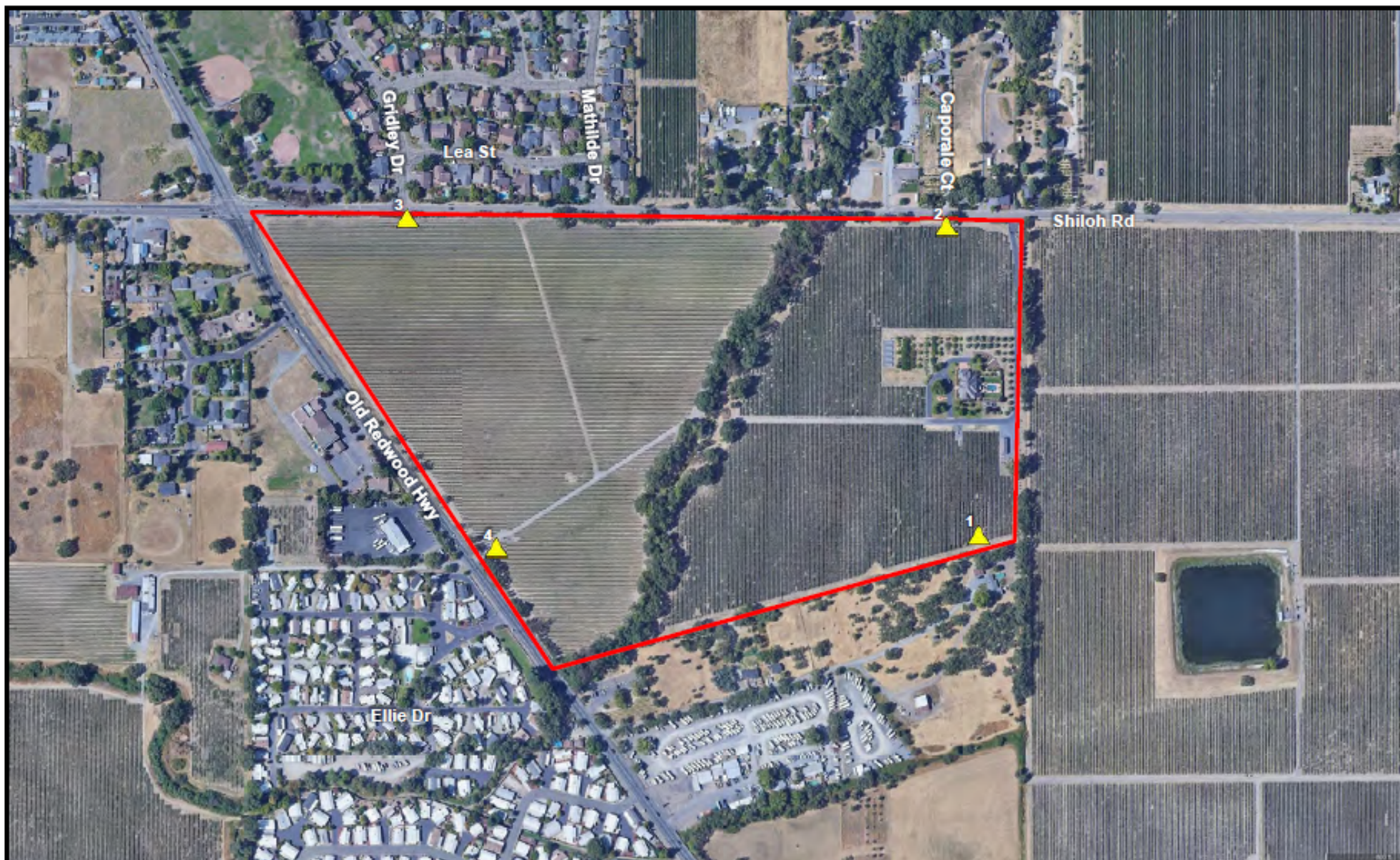
## Alternative C: Non-Gaming Alternative

Alternative C consists of the following components: development by the Tribe of a winery and hotel that would include a visitor center, a 200-room hotel with spa and pool area, a restaurant, and associated parking and infrastructure on the Project Site. The conceptual site plan for Alternative C is shown in Figure 4.

Regular winery production hours would be 7 am to 6 pm, Monday through Friday; while wine production hours during the harvest season (typically late August through mid-October) would be 6 am to 10 pm, seven days per week. The proposed tasting room hours would be open 11 am to 7 pm, seven days per week. The hotel would be open 24 hours a day, seven days a week. Construction of Alternative C is conservatively assumed to occur in one phase beginning in 2026 and lasting 12 to 18 months, with an anticipated opening day in 2028.

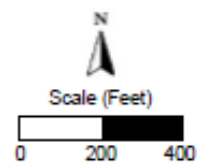
## Alternative D: No Action Alternative

Under the No Action Alternative, none of the development alternatives would be implemented. No land would be placed in federal trust for the benefit of the Tribe. The No Action Alternative assumes that the existing agricultural use of the site as a vineyard would continue for the foreseeable future.



**Legend**

- Project Border (Approximate)
- ▲ Long-term Noise & Short-term Vibration Measurement Locations

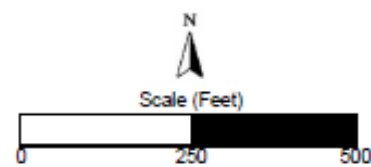


Shiloh Resort & Casino  
Sonoma County, California  
Project Area

Figure 1





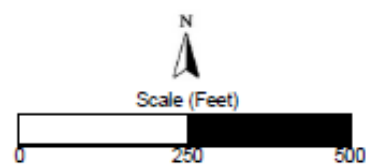


Shiloh Resort & Casino  
Sonoma County, California  
Site Plan – Alternative A – Proposed  
Project

Figure 2





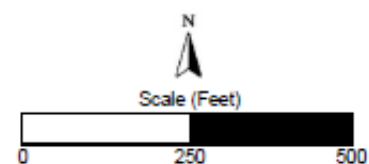
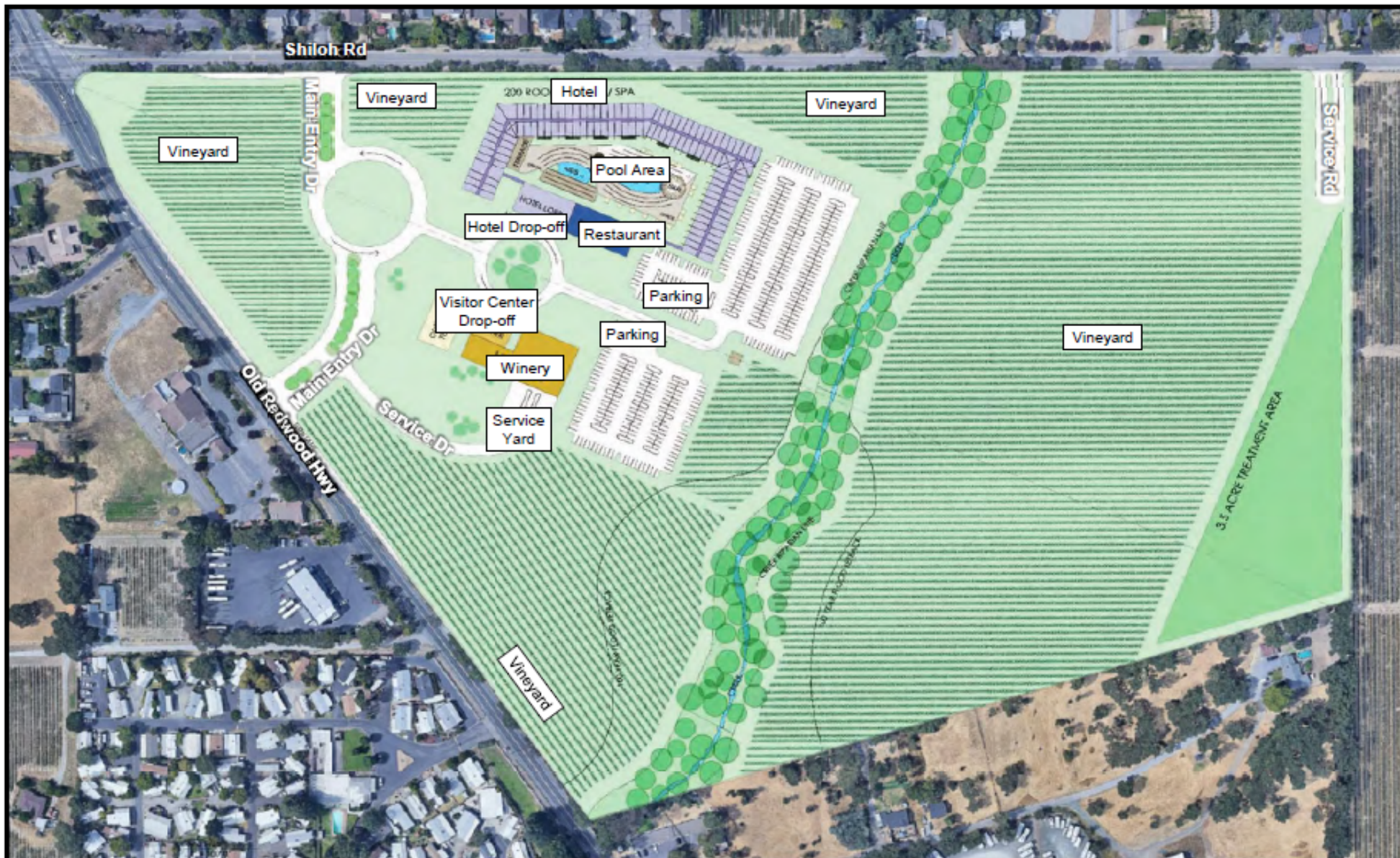


Shiloh Resort & Casino  
Sonoma County, California  
Site Plan – Alternative B – Reduced  
Intensity Project

Figure 3







Shiloh Resort & Casino  
Sonoma County, California  
Site Plan – Alternative C – Non-Gaming  
Project

Figure 4



## Affected Environment

This section describes the existing noise conditions in the vicinity of the project site. The general and site-specific description of the noise setting contained herein provides the environmental baseline by which direct, indirect, and cumulative environmental effects are identified.

### Acoustical Background and Terminology

#### General

Noise is often described as unwanted sound. Sound is defined as any pressure variation in air that the human ear can detect. If the pressure variations occur frequently enough (at least 20 times per second), they can be heard and are designated as sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second, or Hertz (Hz). Definitions of acoustical terminology are provided in Appendix A.

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 of pressure) as a point of reference, defined as 0 dB. Other sound pressures are then compared to the 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. Another useful aspect of the decibel scale is that changes in decibel levels correspond closely to human perception of relative loudness. Noise levels associated with common noise sources are provided in Figure 5.

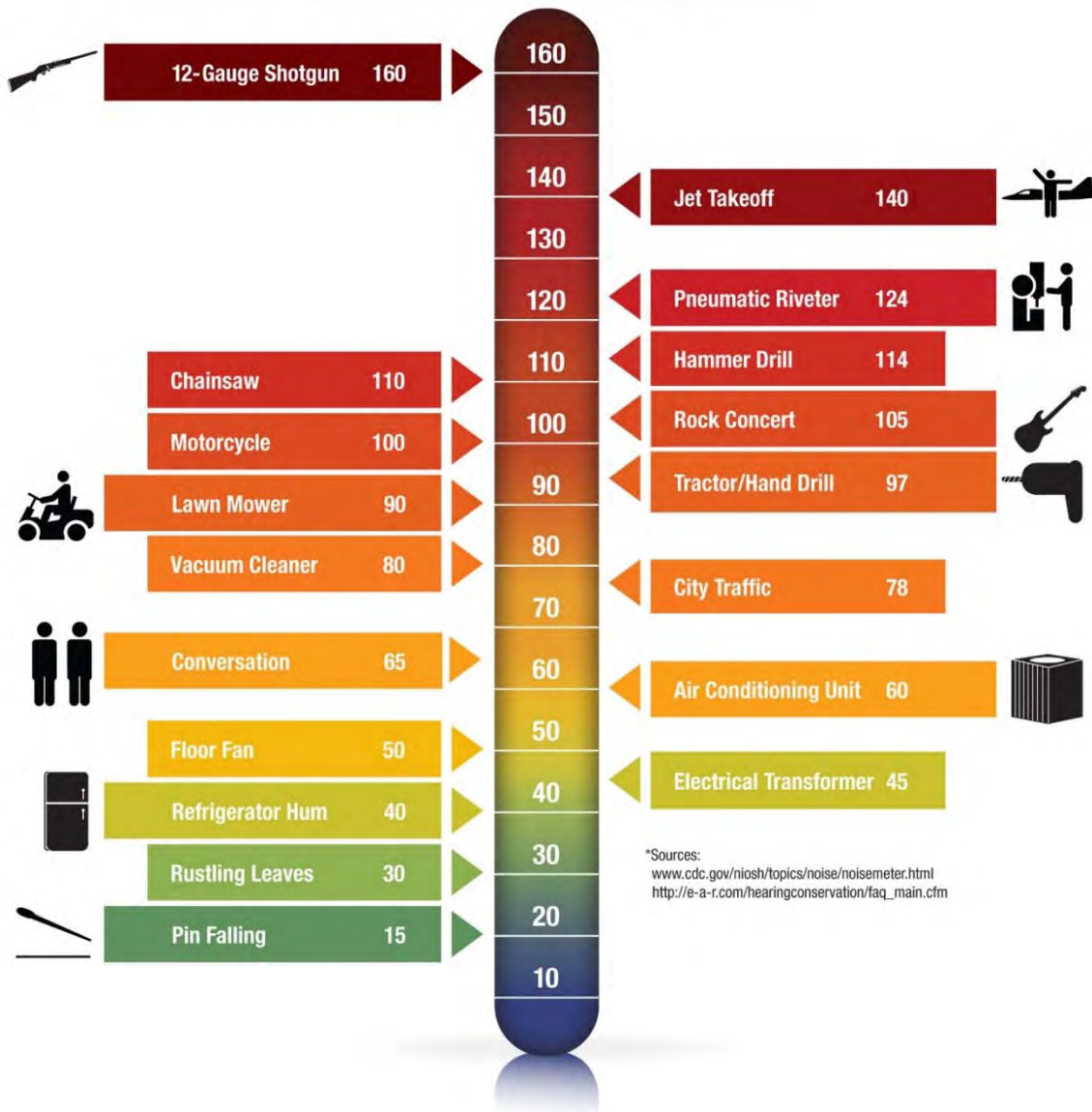
The perceived loudness of sounds is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable and can be approximated by filtering the frequency response of a sound level meter by means of the standardized A-weighting network. There is a strong correlation between A-weighted sound levels (expressed as dBA) and community response to noise. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment. All noise levels presented in this evaluation are in terms of A-weighted levels.

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 noise environment. A common statistical tool to measure the ambient noise level is the average, or equivalent, sound level ( $L_{eq}$ ). The  $L_{eq}$  is the foundation of the day-night average noise descriptor, DNL (or  $L_{dn}$ ), and shows very good correlation with community response to noise. DNL is based on the average noise level over a 24-hour day, with a +10-decibel weighting applied to noise occurring during nighttime (10:00 PM to 7:00 AM) hours. The nighttime penalty is based on the assumption that people react to nighttime noise exposures as though they were twice as loud as daytime exposures. Because DNL represents a 24-hour average, it tends to disguise short-term variations in the noise environment.



**Figure 5**  
**Noise Levels Associated with Common Noise Sources**

**Decibel Scale (dBA)\***



\*Sources:  
[www.cdc.gov/niosh/topics/noise/noisemeter.html](http://www.cdc.gov/niosh/topics/noise/noisemeter.html)  
[http://e-a-r.com/hearingconservation/faq\\_main.cfm](http://e-a-r.com/hearingconservation/faq_main.cfm)

## Effects of Noise on People

The effects of noise on people can be divided into three categories:

1. Subjective effects of annoyance, nuisance, dissatisfaction;
2. Interference with activities such as speech, sleep, and learning; and
3. 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 third 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.

Human reaction to a new noise can be estimated through comparison of the new noise to the existing ambient noise level within a given environment. In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will likely be judged by the recipients. With regard to increases in dBA noise levels, 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.
- A 10-dBA change is subjectively heard as approximately a doubling in loudness and can cause adverse response.

Noise effects on humans can be physical or behavioral in nature. The mechanism for chronic exposure to noise leading to hearing loss is well established. The elevated sound levels cause trauma to the cochlear structure in the inner ear, which gives rise to irreversible hearing loss. Though not considered a health effect similar to those noted above, noise pollution also constitutes a significant factor of annoyance and distraction in modern artificial environments:

- The meaning listeners attribute to the sound influences annoyance; if listeners dislike the noise content, they are annoyed.
- If the sound causes activity interference (for example, sleep disturbance), it is more likely to annoy.
- If listeners feel they can control the noise source, it is less likely to be perceived as annoying.
- If listeners believe that the noise is subject to third party control, including police, but control has failed, they are more annoyed.

Generally, most noise is generated by transportation systems, principally motor vehicle noise, but also including aircraft noise and rail noise. The level of traffic noise depends on three things: 1) the volume of the traffic, 2) the speed of the traffic, and 3) the number of trucks in the flow of the traffic. Because noise



is measured on a logarithmic scale, 70 dBA plus 70 dBA does not equal 140 dBA. Instead, two sources of equal noise added together have been found to result in an increase of 3 dBA. That is, if a certain volume of traffic results in a noise level of 70 dBA the addition of the same volume of traffic, or doubling, would result in a noise level of 73 dBA (Caltrans, 2013a). As stated above, 3 dBA is just audible; therefore, if a project doubles the traffic volume there would be an audible increase in the ambient noise level.

Stationary points of noise attenuate (lessen) at a rate of 6 to 9 dBA per doubling of distance from the source, depending on environmental conditions (i.e., atmospheric conditions and noise barriers, vegetative or manufactured, etc.). Widely distributed noises, such as a large industrial facility or a street with moving vehicles would typically attenuate at a lower rate, approximately 4 to 6 dBA per doubling of distance.

## Vibration Background & Terminology

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, while vibration is usually associated with transmission through the ground or structures. As with noise, vibration consists of an amplitude and frequency. A person's response to vibration will depend on their individual sensitivity as well as the amplitude and frequency of the source.

Vibration can be described in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration in terms of velocity in inches per second peak particle velocity (IPS, PPV) or root-mean-square velocity in decibels (VdB, RMS). Standards pertaining to perception as well as damage to structures have been developed for vibration in terms of peak particle velocity as well as RMS velocities. In terms of RMS velocities, vibration levels below approximately 65 VdB are typically considered to be below the threshold of perception (FTA 2018).

As vibrations travel outward from the source, they excite the particles of rock and soil through which they pass and cause them to oscillate. Differences in subsurface geologic conditions and distance from the source of vibration will result in different vibration levels characterized by different frequencies and intensities. In all cases, vibration amplitudes will decrease with increasing distance. At high enough amplitudes, ground vibration has the potential to damage structures and/or cause cosmetic damage. Ground vibration can also be a source of annoyance to individuals who live or work close to vibration-generating activities. However, traffic, rarely generates vibration amplitudes high enough to cause structural or cosmetic damage.

## Regulatory Setting

### Federal Highway Administration Construction Noise Abatement Criteria

The Federal Highway Administration (FHWA) *Construction Noise Handbook* (2006), provides guidance with respect to the development of construction noise level thresholds. Based on that guidance, and based on measured ambient noise levels in the project vicinity, the Table 1 criteria were developed for use in evaluating the significance of construction noise impacts in this assessment.

**Table 1**  
**Recommended Maximum Construction Noise Thresholds (dBA Lmax)**

Noise Receptor Locations and Land Uses	Daytime (7 am- 6 pm)	Nighttime (10 pm – 7 am)
Noise-Sensitive Locations: (residences, institutions, hotels, etc.)	90 dBA	80 dBA
Commercial Areas: (businesses, offices, stores, etc.)	None	None
Industrial Areas: (factories, plants, etc.)	None	None
Source: Section 7.3.1 of the FHWA Construction Noise Handbook, 2006		

### Federal Noise Abatement Criteria

Operational noise standards used in this study are FHWA Noise Abatement Criteria (NAC) for the assessment of noise consequences related to surface traffic and other project-related noise sources. These standards are discussed below.

The FHWA establishes NAC for various land uses that have been categorized based upon activity. Land uses are categorized on the basis of their sensitivity to noise as indicated in Table 2. The FHWA NAC is based on peak traffic hour noise levels. Sensitive receptors with the potential to be impacted by the project alternatives primarily consist of residential land uses; thus, the Category B noise standard (67 dBA Leq) would apply to those uses.

**Table 2**  
**Federal Noise Abatement Criteria**

Activity Category	Activity Criteria, Leq [dBA]	Evaluation Location	Activity Description
A	57	Exterior	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B <sup>1</sup>	67	Exterior	Residential.
C <sup>1</sup>	67	Exterior	Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails, and trail crossings.
D	52	Interior	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios.
E <sup>1</sup>	72	Exterior	Hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F.
F	--	--	Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing.
G	--	--	Undeveloped lands that are not permitted.
Notes			
1. Includes undeveloped lands permitted for this activity category.			
Source: Title 23 CFR Part 772, Table 1 to Part 772 – Noise Abatement Criteria			

## Sonoma County General Plan Noise Element

The following policies from the Sonoma County Noise Element of the 2020 General Plan may be applicable to the project;

**Policy NE-1a:** Designate areas within Sonoma County as noise impacted if they are exposed to existing or projected exterior noise levels exceeding 60 dB Ldn, 60 dB CNEL, or the performance standards of Table NE-2 (Table NE-2 is reproduced below as Table 3).

**Policy NE-1b:** Avoid noise sensitive land use development in noise impacted areas unless effective measures are included to reduce noise levels. For noise due to traffic on public roadways, railroads and airports, reduce exterior noise to 60 dB Ldn or less in outdoor activity areas and interior noise levels to 45 dB Ldn or less with windows and doors closed. Where it is not possible to meet this 60 dB Ldn standard using a practical application of the best available noise reduction technology, a maximum level of up to 65 dB Ldn may be allowed but interior noise level shall be maintained so as not to exceed 45 dB Ldn. For

uses such as Single Room Occupancy, Work-Live, Mixed Use Projects, and Caretaker Units, exterior noise levels above 65 dB Ldn or the Table NE-2 standards may be considered if the interior standards of 45 dB Ldn can be met. For schools, libraries, offices, and other similar uses, the interior noise standard shall be 45 dB Leq in the worst case hour when the building is in use.

**Policy NE-1c:** Control non-transportation related noise from new projects. The total noise level resulting from new sources shall not exceed the standards in General Plan Table NE-2 (reproduced below as Table 3), of the recommended revised policies as measured at the exterior property line of any adjacent noise sensitive land use. Limit exceptions to the following:

- (1) If the ambient noise level exceeds the standard in Table 3, adjust the standard to equal the ambient level, up to a maximum of 5 dBA above the standard, provided that no measurable increase (i.e., +/- 1.5 dBA) shall be allowed.
- (2) Reduce the applicable standards in Table 3 by five dBA for simple tone noises, noises consisting primarily of speech or music, or for recurring impulsive noises, such as pile drivers and dog barking at kennels.
- (3) Reduce the applicable standards in Table 3 by 5 decibels if the proposed use exceeds the ambient level by 10 or more decibels.

*Note that an analysis of the noise generation of the project follows. In cases where the proposed project would cause noise levels to exceed ambient noise levels by more than 10 dB, this 5 dB additional reduction in noise standards is applied.*

- (5) Noise levels may be measured at the location of the outdoor activity area of the noise sensitive land use, instead of at the exterior property line of the adjacent noise sensitive use where:
  - (a) The property on which the noise sensitive use is located has already been substantially developed pursuant to its existing zoning, and
  - (b) There is available open land on these noise sensitive lands for noise attenuation.

*This exception may not be used for vacant properties, which are zoned to allow noise sensitive uses.*

**Table 3**  
**Maximum Allowable Noise Exposures for Non-transportation Sources**  
**(Sonoma County General Plan Noise Element Table NE-2)**

Hourly Noise Metric <sup>1</sup>	Maximum Exterior Noise Level Standards [dBA]	
	Daytime: 7 AM to 10 PM	Nighttime: 10 PM to 7 AM
L <sub>50</sub> (30 minutes in any hour)	50	45
L <sub>25</sub> (15 minutes in any hour)	55	50
L <sub>08</sub> (5 minutes in any hour)	60	55
L <sub>02</sub> (1 minute in any hour)	65	60
Notes 1. The sound level exceeded n% of the time in any hour. For example, the L <sub>50</sub> is the value exceeded 50% of the time or 30 minutes in any hour; this is the median noise level. The L <sub>02</sub> is the sound level exceeded 1 minute in any hour. Source: Sonoma County General Plan Noise Element Table NE-2		

For purposes of this evaluation, it was conservatively assumed that maximum noise levels would be approximately equivalent to L<sub>02</sub> values (i.e. the loudest minute of any hour) and that average (L<sub>eq</sub>) noise levels would be approximately equivalent to median (L<sub>50</sub>) noise levels.

**Policy NE-1d:** Consider requiring an acoustical analysis prior to approval of any discretionary project involving a potentially significant new noise source or a noise sensitive land use in a noise impacted area. The analysis shall:

- (1) Be the responsibility of the applicant,
- (2) Be prepared by a qualified acoustical consultant,
- (3) Include noise measurements adequate to describe local conditions,
- (4) Include estimated noise levels in terms of L<sub>dn</sub> and/or the standards of Table NE-2 for existing and projected future (20 years hence) conditions, based on accepted engineering data and practices, with a comparison made to the adopted policies of the Noise Element. Where low frequency noise (ex: blasting) would be generated, include assessment of noise levels and vibration using the most appropriate measuring technique to adequately characterize the impact,
- (5) Recommend measures to achieve compliance with this Element. Where the noise source consists of intermittent single events, address the effects of maximum noise levels on sleep disturbance,
- (6) Include estimates of noise exposure after these measures have been implemented, and
- (7) Be reviewed by the Permit and Resource Management Department and found to be in compliance with PRMD guidelines for the preparation of acoustical analyses.

**Policy NE-1f:** Require development projects that do not include or affect residential uses or other noise sensitive uses to include noise mitigation measures where necessary to maintain noise levels compatible with activities planned for the project site and vicinity.

**Policy NE-1g:** Enforce the State Noise Insulation Standards (Title 24, Part 2, California Administrative Code and Appendix Chapter 12 of the California Building Code) concerning new multiple occupancy dwellings.

**Policy NE-1h:** Prepare and consider a noise control ordinance to regulate existing noise sources as follows:

- (1) The draft ordinance shall be prepared by County Counsel with the assistance of the Public Health Department, the Sheriff's Department, and PRMD.
- (2) Consider ONC guidelines and ordinances of other counties.
- (3) The intent of the ordinance shall be to protect persons from existing or future excessive levels of noise which interfere with sleep, communication, relaxation, health or legally permitted use of property.
- (4) Excessive levels of noise shall be defined as levels which exceed the standards of Table NE-2 and other policies of the Noise Element.
- (5) In unincorporated areas of the County, it shall be unlawful to create noise which exceeds the standards of Table 2, as measured at the exterior of any noise sensitive use.
- (6) The noise ordinance may contain maximum allowable levels of interior noise created by exterior sources.
- (7) The ordinance may exempt or modify noise requirements for agricultural uses, construction activities, school functions, property maintenance, heating and cooling equipment, utility facilities, waste collection and other sources.
- (8) The ordinance shall include responsibilities and procedures for enforcement, abatement and variances.

**Policy NE-1i:** County equipment and vehicles shall comply with adopted noise level performance standards consistent with the best available noise reduction technology.

**Policy NE-1j:** Encourage the California Highway Patrol to actively enforce sections of the California Vehicle Code relating to adequate vehicle mufflers and modified exhaust systems.

**Policy NE-1k:** Incorporate into the Development Code the standards and policies of the Noise Element, where appropriate.

**Policy NE-1l:** Review and update the Noise Element to ensure that noise information and policies are consistent with regulations and conditions within the community.

**Policy NE-1m:** Consider requiring the monitoring of noise levels for discretionary projects to determine if noise levels are in compliance with required standards. The cost of monitoring shall be the responsibility of the applicant.

## Town of Windsor General Plan Public Health and Safety Element

The following policies from the Town of Windsor 2040 General Plan Health and Safety Element may be applicable to the project;

**PHS-8.1:** Ambient Sound Levels for New Development. The Town shall encourage new development to maintain the current ambient sound environment as much as possible. All noise sources that cause the ambient sound levels to rise by more than 5 dBA should be required to incorporate conditions or design modifications to reduce the potential increase in the noise environment.

**PHS-8.2:** Exterior Noise Standards for New Development. The Town shall require new development to meet exterior noise level standards as established in the noise and land use compatibility guidelines contained in General Plan Figure PHS-4. For residential areas, these exterior noise guidelines apply to the primary usable outdoor area.

**PHS-8.3:** Interior Noise Threshold for New Residential. The Town shall require new residential projects to provide for an interior CNEL of 45 dB or less due to exterior noise sources. To accomplish this, all residential and other noise sensitive land uses within the 60 dB contours or greater as defined in General Plan Figure PHS-5 should be reviewed to ensure that adequate noise attenuation has been incorporated into the design of the project.

**PHS-8.5:** Noise Attenuation Techniques. The Town shall encourage new development to identify alternatives to the use of sound walls to attenuate noise impacts. Other techniques that would be viewed more favorably by the Town include:

- a. Modifications to site planning such as incorporating setbacks; and
- b. Revisions to the architectural layout such as changing building orientation, providing noise attenuation for portions of outdoor yards, and construction modification (e.g., noise attenuating windows).

In the event that sound walls are the only practicable alternative, such walls shall be subject to development review to ensure that they are designed to be as aesthetically pleasing as possible, incorporating landscaping, variations in color and patterns, and/or changes in texture or building materials.

**PHS-8.6:** Acoustical Reports. The Town shall require that applications for development of residential or other noise-sensitive land uses in projected noise-impacted areas (greater than 55 dB CNEL) shall require an acoustical analysis, prepared at the applicant's expense. Recommendations contained in the acoustical reports shall be incorporated as conditions of any approval.

**PHS-8.7:** Non-Vehicular Noise. The Town shall continue to regulate non-vehicular noise sources that are not preempted by State and Federal regulations, to minimize disturbances to adjoining uses through the noise ordinance.

**PHS-8.10:** Construction Site Noise Restrictions. The Town shall restrict construction working hours as designated in the Municipal Code, Title VII Building and Housing Section, to allow efficient construction mobilization and activities, while also protecting the noise environment of noise sensitive land uses.

**PHS-8.15:** Noise Enforcement of State and Federal Standards. The Town shall continue to enforce State and Federal noise regulations regarding vehicle operation, equipment, and building insulation.

**PHS-8.16:** Applicable Standards in the Building Code. The Town shall continue to incorporate the most recent noise standards contained in Title 24 of the California Code of Regulations in Uniform Building Code into its own building code.

**PHS-8.17:** Project and Environmental Review for Noise. The Town shall consider as part of its discretionary review of proposed new development the potential for a proposed project to either generate significant new noise sources or be significantly impacted by existing noise sources as shown in Figure PHS-7. If the Town determines there may be a potential for significant noise effects related to a proposed new development, the Town shall require an acoustical study be conducted by a qualified acoustician and include appropriate mitigation measures for the proposed development based on that study.

**Table 4**  
**Maximum Noise Level by Receiving Land Use**  
**(Table PHS-4 of Town of Windsor 2040 General Plan)**

Type of Land Use	Maximum Allowable Noise Levels		
	Time Interval	Exterior Noise dB(A)	Interior Noise dB(A)
Single- or multi- family residential	7 a.m. – 10 p.m.	55	35
	10 p.m. to 7 a.m.	50	45
Commercial	7 a.m. – 10 p.m.	65	50
	10 p.m. to 7 a.m.	55	
Industrial or manufacturing	Any time	70	55
Public parks, public open space, and Civic Center	7 a.m. – 10 p.m.	55	N/A
	10 p.m. to 7 a.m.	50	

Notes:

- (1) Each of the noise limits specified above shall be reduced by 5 dBA for impulse or simple tone noises, or for consisting of speech or music. If the ambient noise level exceeds the resulting standard, the ambient noise level shall be the standard.
- (2) It shall be unlawful for any person within a residentially zoned area of the town to operate any noise amplification device (e.g., bull horns, microphones, musical instruments, speakers, etc.), that exceeds a noise level of 45 dBA measured at the property line or cause loud excessive noise which disturbs the peace of the neighborhood.
- (3) In addition, Section 7-1-190 of the Town of Windsor Municipal Code restricts the timing of construction act authorized by a Town permit to the hours of 7 a.m. to 7 p.m. Monday through Friday and 8 a.m. to 7 p.m. on Saturday.



Figure PHS-7 Acceptable Exposure Levels for Community Noise Environments							
Land Use Category	Community Noise Exposure Ldn/CNEL, dB						
	50-55	55-60	60-65	65-70	70-75	75-80	80-85
Residential – Low Density Single Family, Duplex, Mobile Homes							
Residential – Multifamily							
Transient Lodging – Motels, Hotels							
Schools, Libraries, Churches, Hospitals, Nursing Homes							
Auditoriums, Concert Halls, Amphitheaters							
Sports Arenas, Outdoor Spectator Sports							
Playgrounds, Neighborhood Parks							
Golf Course, Riding Stables, Water Recreation, Cemeteries							
Office Buildings, Business Commercial and Professional							
Industrial, Manufacturing Utilities, Agriculture							

**NORMALLY ACCEPTABLE**

Specified land use is satisfactory based upon the assumption that any buildings involved are 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.

## Criteria for Acceptable Vibration Exposure

The threshold of human discernibility (i.e., perception) for vibration is considered to be approximately 65 VdB (FTA). As such, a threshold of 65 VdB is applied to the assessment of vibration impacts for this project.

## Environmental Setting

### Land Uses in the Project Vicinity

Noise-sensitive land uses are generally defined as locations where people reside or where the presence of unwanted sound could adversely affect the primary intended use of the land. Places where people live, sleep, recreate, worship, and study are generally considered to be sensitive to noise because intrusive noise can be disruptive to these activities.

The Project area is bordered to the north by Shiloh Road, beyond which are park, residential and agricultural uses located within the Town of Windsor and Sonoma County. To the east and south the project site is bordered by agricultural and land uses (some containing residences), located within Sonoma County. To the west, the project site is bordered by Old Redwood Highway beyond which are residential, church, and commercial uses in Sonoma County and the growth area of the Town of Windsor. Sensitive receptors evaluated in this study include residential areas to the north and west, Shiloh Neighborhood Church to the west, Esposti Park to the north, and a few residences to the south. Figure 6 shows the locations of the nearest receptors to the project site which were analyzed in this study.

### Noise Sources Affecting the Project Vicinity

The existing ambient noise environment in the immediate project vicinity is defined primarily by traffic on Shiloh Road to the north and Old Redwood Highway to the west. Agricultural operations to the east and south also periodically affect the ambient noise environment on a localized basis. Aircraft operations at the Sonoma County Airport do not appreciably affect the ambient noise environment within the immediate project vicinity due to the distance between the airport and project site as well as the orientation of the airport runways.

### Long-Term Ambient Noise Survey

To quantify existing ambient noise environment within the Project area, BAC conducted long-term (continuous) ambient noise level measurements at four locations over the 5-day period between Friday, April 29 and Tuesday, May 3, 2022. The noise measurement site locations are shown on Figure 1. Photographs of the noise survey locations are provided in Appendix B.

Larson Davis Laboratories (LDL) precision integrating sound level meters were used to complete the noise level measurements. The meters were calibrated before and after use with an LDL Model CA200 acoustical calibrator to ensure the accuracy of the measurements. The equipment used meets all specifications of the American National Standards Institute requirements for Type 1 sound level meters (ANSI S1.4). There were no atypical weather conditions present during the noise survey period which would have adversely affected the accuracy of the survey results.

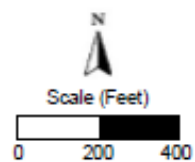
The long-term noise level measurement survey results are summarized in Table 5. The detailed results of the long-term ambient noise survey are contained in Appendix C in tabular format and Appendix D in graphical format.





#### Legend

- # Residential Noise-Sensitive Receivers
- # Non-Residential Noise-Sensitive Receivers



Shiloh Resort & Casino  
Sonoma County, California  
Noise-Sensitive Receivers

Figure 6



**Table 5**  
**Summary of Long-Term Ambient Noise Level Measurement Results<sup>1</sup>**  
**Friday, April 29 - Tuesday, May 3, 2022**

Site <sup>2</sup>	Date	DNL [dBA]	Average Measured Hourly Noise Levels [dBA]			
			Daytime <sup>3</sup>		Nighttime <sup>4</sup>	
			L <sub>50</sub>	L <sub>max</sub>	L <sub>50</sub>	L <sub>max</sub>
1	Friday, April 29	53	44	65	40	56
	Saturday, April 30	52	46	63	41	53
	Sunday, May 1	55	44	63	42	57
	Monday, May 2	52	47	64	41	54
	Tuesday, May 3	51	43	62	38	50
	<b>Average</b>	<b>53</b>	<b>45</b>	<b>64</b>	<b>40</b>	<b>54</b>
2	Friday, April 29	63	50	78	39	72
	Saturday, April 30	61	49	79	39	72
	Sunday, May 1	59	46	78	38	71
	Monday, May 2	63	50	79	41	67
	Tuesday, May 3	62	48	77	38	66
	<b>Average</b>	<b>62</b>	<b>49</b>	<b>78</b>	<b>39</b>	<b>70</b>
3	Friday, April 29	66	52	80	41	75
	Saturday, April 30	64	52	80	43	76
	Sunday, May 1	63	49	80	40	76
	Monday, May 2	66	54	81	43	72
	Tuesday, May 3	65	52	78	40	71
	<b>Average</b>	<b>65</b>	<b>52</b>	<b>80</b>	<b>41</b>	<b>74</b>
4	Friday, April 29	65	61	78	45	73
	Saturday, April 30	64	60	80	45	71
	Sunday, May 1	63	57	77	42	73
	Monday, May 2	65	60	78	45	73
	Tuesday, May 3	65	60	81	42	71
	<b>Average</b>	<b>64</b>	<b>60</b>	<b>79</b>	<b>44</b>	<b>72</b>
Notes 1. Detailed summaries of the noise monitoring results are provided graphically in Appendix C. 2. Noise measurement locations are shown on Figure 1 3. Daytime hours: 7:00 AM to 10:00 PM 4. Nighttime hours: 10:00 PM to 7:00 AM Source: Bollard Acoustical Consultants, Inc. (2022)						

The Table 5 data indicate that measured day-night average noise levels (DNL) did not vary appreciably from day to day at each site, but did vary by location within the Project area as expected. For example, Site 1 measured day-night average noise levels were the lowest due to the greater distance of the monitoring site to local roadways. Comparison of the ambient survey results to the Sonoma County and Town of Windsor noise standards indicates that the noise standards were exceeded at monitoring Sites 2, 3 & 4.



## Existing Traffic Noise Levels Along the Project-Area Roadway Network

The existing traffic noise environment on the project site is defined primarily by traffic on Shiloh Road and Old Redwood Highway. To predict traffic noise levels along existing roadways, a combination of noise measurement and noise modelling is commonly used. Because future traffic noise levels must be modelled to predict the increases in off-site traffic noise levels which result from a project, the modelling of existing levels also allows a more accurate comparison to project levels.

The FHWA Traffic Noise Model (FHWA-RD-77-108) was used to quantify existing traffic noise levels at the existing sensitive land uses nearest to the project area roadway network. The Model was also used to quantify the distances to the 60, 65 and 70 dB DNL traffic noise contours for these roadways. The FHWA Model predicts hourly  $L_{eq}$  values for free-flowing traffic conditions. Estimates of the hourly distribution of traffic for a typical 24-hour period were used to develop DNL values from  $L_{eq}$  values.

Traffic data in the form of peak hour intersection movements were obtained from the project transportation impact study (TJKM, 2022). Peak hour turning movement volumes were converted to average daily segment volumes (ADT) by averaging am and pm peak hour volumes and multiplying by a factor of 5. The existing traffic noise levels at the distances representing the nearest sensitive land uses to the project area roadways and distances from the centerlines of selected roadways to the existing 60 dB, 65 dB and 70 dB DNL contours are summarized in Table 6. Appendix E contains the FHWA Model inputs for existing conditions.

In most cases, the actual distances to noise level contours may vary from the distances predicted by the FHWA Model. Factors such as roadway elevation, curvature, grade, and shielding by local topography or structures, or elevated receivers may affect actual sound propagation.

**Table 6**  
**Existing Traffic Noise Levels at Nearest Receptors and Distances to DNL Contours**

#	Roadway	From	To	DNL at Nearest Sensitive Receptor [dB]	Distance to Contour [ft]		
					70 dBA DNL	65 dBA DNL	60 dBA DNL
1	Shiloh Rd	Conde Ln	Caletti Ave	56	48	104	224
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	66	55	118	254
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	66	52	113	242
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	66	54	117	252
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	68	36	78	169
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	62	14	30	64
7	Shiloh Rd	Gridley Dr	Project Entrance East	61	13	29	62
8	Shiloh Rd	Project Entrance East	East of Project Entrance	61	12	27	58
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	69	43	93	200
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	66	32	69	149
11	Old Redwood Hwy	Project Entrance	South of Project Entrance	65	31	67	143

Source: FHWA-RD-77-108 with inputs from project traffic impact study. Appendix E contains FHWA model inputs.

## Existing Ambient Vibration Environment

To generally quantify existing vibration levels at representative locations within the Project area, BAC conducted short-term (5-minute) vibration measurements at the same four (4) locations used for long-term ambient noise monitoring. The vibration measurement locations are shown on Figure 1.

A Larson-Davis Laboratories Model LxT precision integrating sound level meter equipped with a vibration transducer was used to complete the measurements. The system was calibrated in the field prior to use to ensure the accuracy of the measurements. The ambient vibration monitoring results are summarized in Table 7.

**Table 7**  
**Summary of Ambient Vibration Monitoring Results – May 4, 2022**

Site <sup>1</sup>	Time	Average Measured Vibration Level [VdB]
1	9:53 AM	46
2	10:13 AM	40
3	10:34 AM	33
4	10:50 AM	42
Notes 1. Vibration measurement sites are shown on Figure 1. Source: <i>Bollard Acoustical Consultants, Inc. (2022)</i>		

The Table 7 data indicate that measured average vibration levels at the project area were below the 65 VdB threshold of perception, which is consistent with BAC staff observations.

## Environmental Consequences

This section identifies the direct effects to noise that would result from the development of each alternative. Effects are measured against the environmental baseline and applicable noise criteria presented in the Affected Environment section.

### Impact Assessment Criteria

The assessment of project effects is based on Federal Noise Abatement Criteria (NAC) standards used by the Federal Highway Administration (FHWA), on FTA thresholds for perceptible vibration, and on the noise standards of Sonoma County and the Town of Windsor. Specifically, adverse noise and vibration effects are identified at existing sensitive receptor locations if the following were to occur as a result of the project:

- Project construction noise levels exceed the Table 1 criteria (FHWA construction noise thresholds).
- Project construction vibration levels exceed 65 VdB (FTA threshold of perception).
- Project-generated traffic would cause traffic noise levels to exceed the FHWA noise abatement criteria (e.g., 67 dBA for exterior areas of residential uses) where the criteria is not currently being exceeded (see Table 2 for FHWA noise abatement criteria).
- Project-related traffic noise level increases would exceed 5 dB at residences located within the Town of Windsor (Windsor General Plan Policy PHS-8.1).
- Project-related traffic noise level increases would exceed 3 dB at residences located within Sonoma County (threshold commonly applied in Sonoma County).
- On-site noise sources associated with ongoing project operations exceed the Table 3 standards at residences within Sonoma County (Sonoma County General Plan Noise Element Table NE-2).
- On-site noise sources associated with ongoing project operations exceed the Table 4 standards at residences within the Town of Windsor (Town of Windsor 2040 General Plan Table PHS-4).

### Assessment Methodology

#### Off-Site Traffic Noise and Project Traffic Noise Increases

The FHWA Highway Traffic Noise Prediction Model (FHWA-RD-77-108) was used to predict existing and future traffic noise levels, both with and without the project, at the nearest existing sensitive receptors located along the local roadway network which would be utilized by project-generated traffic. The FHWA Model inputs for each scenario are provided in Appendix E.

#### Project Construction Noise & Vibration

Project construction noise was evaluated using the Federal Highway Administration Roadway Construction Noise Model (RCNM). The types of heavy equipment to be utilized during project construction along with the distances from that equipment to the nearby residences were used as inputs to the RCNM to predict construction noise generation at existing sensitive receptors.

To evaluate vibration generation during project construction the data and methodology contained within the 2018 Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual were used.

## On-Site Operational Noise

To predict noise generated by on-site operations (on-site circulation, parking lot operations, truck deliveries, and pool area activities), at the nearest sensitive receptor locations, a combination of BAC file data and published acoustical reference data were utilized with the SoundPlan noise-prediction and propagation model.

## Alternative A – Proposed Project

### Construction Noise

During the construction of Alternative A, noise from construction activities would add to the noise environment in the immediate vicinity of the Project Site. Activities involved in typical construction would generate maximum noise levels, as indicated in Table 8, ranging from 76 to 85 dBA L<sub>max</sub> at a distance of 50 feet. Not all of the construction activities identified in Table 8 would be required of this project. Based on the Table 8 data, the worst-case on-site project construction equipment maximum noise levels at the nearest existing noise-sensitive uses, located approximately 200 feet or more away, are expected to range from approximately 64 to 73 dBA L<sub>max</sub>.

As shown in Table 5, maximum baseline noise levels (L<sub>max</sub>) in the immediate Project Site vicinity ranged from 64 to 80 dBA during daytime hours. According to the construction noise thresholds shown in see Table 1, construction noise impacts would be significant where daytime construction activities would generate noise levels exceeding 90. Because daytime construction activities are predicted to generate maximum noise levels of approximately 73 dBA L<sub>max</sub> or less, which is well below the 90 dBA criteria at the nearest sensitive receptors, , ***a less-than-significant construction noise impact would occur during daytime hours.***

The proposed construction Best Management Practices to be utilized for this project include limiting construction activities involving noise generating equipment to daytime hours between 7:00 a.m. and 6:00 p.m., with the exception of federal holidays where no work will occur, and with no construction work occurring between the hours of 10:00 p.m. to 7:00 a.m. With the implementation of this BMP, construction noise generated by Alternative A would not exceed construction noise thresholds during the evening (6:00 p.m. to 10:00 p.m.) or nighttime (10:00 p.m. to 7:00 a.m.); ***therefore, a less-than-significant impact would occur.*** Further, the limitation of construction activities to daytime hours is generally consistent with the Town of Windsor municipal code that authorizes construction activities between the hours of 7:00 a.m. and 7:00 p.m. Monday through Friday and between the hours of 8:00 a.m. and 7:00 p.m. on Saturday.



**Table 8**  
**Construction Equipment Reference Noise Levels**

<b>Equipment Description</b>	<b>Maximum Noise Level at 50 feet [dBA]</b>
Air compressor	80
Backhoe	80
Compactor	82
Concrete mixer	85
Concrete pump	82
Concrete vibrator	76
Crane, mobile	83
Dozer	85
Generator	82
Grader	85
Impact wrench	85
Loader	80
Paver	85
Pneumatic tool	85
Pump	77
Saw	76
Scarifier	83
Scraper	85
Shovel	82
Truck	84

*Source: Federal Transit Administration Noise and Vibration Impact Assessment Manual, Table 7-1 (2018)*

## Construction Vibration

During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would generate localized vibration in the immediate vicinity of the construction. The nearest identified existing sensitive receptors are located approximately 200+ feet from where construction activities would occur within the Project site.

Table 9 includes the range of vibration levels for equipment commonly used in general construction projects at a reference distance of 25 feet from the equipment. The Table 9 data also include predicted equipment vibration levels at a distance of 200 feet from proposed construction activities.

**Table 9**  
**Vibration Source Levels for Construction Equipment**

<b>Equipment</b>	<b>Maximum Vibration Level at 25 feet [VdB (rms)]</b>	<b>Predicted Maximum Vibration Level at 200 feet [VdB (rms)]</b>
Vibratory Roller	94	67
Hoe Ram	87	60
Large bulldozer	87	60
Loaded trucks	86	61
Jackhammer	79	52
Small bulldozer	58	31
<i>Source: 2018 FTA Transit Noise and Vibration Impact Assessment Manual and BAC calculations</i>		

As shown in Table 9, with the exception of vibratory roller operations, vibration levels generated from on-site construction activities are predicted to be below the 65 VdB threshold of perception at the nearest existing sensitive receptors located approximately 200+ feet from project construction activities. As a result, with the exception of vibratory roller operations, project-generated construction vibration is predicted to result in ***less than significant adverse effects*** at nearby sensitive receptors.

To mitigate potentially significant adverse effects associated with the use of vibratory roller usage at the project site, the use of vibratory rollers shall be limited to locations beyond 250 feet from an existing sensitive receptor and non-vibratory rollers shall be utilized at locations within 250 feet from an existing sensitive receptor.

## Off-Site Traffic Noise

With development of the project, traffic volumes on the local roadway network will increase. Those increases in Average Daily Traffic (ADT) volumes will result in a corresponding increase in traffic noise levels at existing sensitive uses located along those roadways. Two conditions were evaluated: Opening Year 2028 (Baseline) and Cumulative Year 2040.

The FHWA Traffic Noise Model (FHWA-RD-77-108) was used to quantify increases in baseline traffic noise levels at the existing sensitive land uses nearest to the project area roadway network. The FHWA Model predicts hourly Leq values for free-flowing traffic conditions. Estimates of the hourly distribution of traffic for a typical 24-hour period were used to develop DNL values from Leq values. Tables 10 & 11 show the predicted increases in traffic noise levels due to the project relative to opening year and cumulative (2040) conditions without the project.

The data in Table 10 indicate that project-generated traffic noise level increases would not result in significant adverse noise effects relative to existing / baseline conditions. In addition, the project would not cause traffic noise levels to exceed the 67 dBA threshold applicable to residential uses at locations where existing residences are present and where the 67 dBA threshold is not already being exceeded under baseline conditions. Traffic generated noise on Shiloh Road between Hembree Lane and Old Redwood Highway and Old Redwood Highway north of Shiloh road would exceed the 67 dBA FHWA noise abatement criteria threshold for residential uses where residential uses are present; however, the baseline noise levels are predicted to already be above 67 dBA prior to the operation of Alternative A and the increase due to

Alternative A would be less than 3 dB, which is the level of noise increase required for a perceptible difference in noise levels. As a result, off-site traffic noise level increases resulting from the project are ***not predicted to result in significant adverse effects*** relative to baseline conditions without the project.

The data in Table 11 indicate that the cumulative plus project traffic noise environment would exceed the existing / baseline traffic noise environment by 1.4 to 5.4 dBA DNL at existing sensitive receptors located adjacent to the project-area roadways. The cumulative plus project traffic noise level increases would exceed the applicable significance thresholds along three (3) of the roadway segments containing sensitive land uses. In addition, along two of the roadway segments evaluated in Table 11 (segments 6 and 10), cumulative plus project traffic conditions exceed the 67 dBA threshold applicable to residential uses where that threshold is not currently being exceeded under existing / baseline conditions. As a result, increases in existing / baseline traffic noise levels resulting from cumulative plus project traffic is predicted to result in ***significant adverse effects*** at the residences located along segments of Shiloh Road and Old Redwood Highway.

#### Mitigation for Significant Adverse Noise Effects Resulting from Cumulative Plus Project Off-Site Traffic

- A. **Noise-Reducing Pavement:** Noise-reducing pavement types, such as rubberized asphalt, have been shown to provide an appreciable noise level reduction relative to other pavement types (approximately 3-4 dB over conventional asphalt overlays). Because a 3-4 dB reduction in traffic noise levels would be sufficient to reduce cumulative plus project traffic noise impacts to a less than significant level, this mitigation alternative would be effective. Therefore, the project applicant shall be required to pay a fair share towards repaving the impacted roadway segments with noise-reducing pavement during the widening of roadway segments which would be required under cumulative conditions.

**Table 10**  
**Predicted Traffic Noise Levels & Project Related Increases at Existing Sensitive Receptors – Baseline vs. Baseline + Project Conditions**  
**Shiloh Resort and Casino Project – Alternative A: Proposed Project**

#	Roadway	From	To	Predicted DNL [dBA]			Significance Threshold, dBA	Threshold Exceeded?	Sensitive Receptors Present? <sup>1</sup>	Significant Impact Identified? <sup>2</sup>
				Baseline	Baseline + Project	Increase				
1	Shiloh Rd	Conde Ln	Caletti Ave	55.9	56.0	0.1	5	No	Yes	No
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	66.1	66.2	0.1	5	No	No	No
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	65.8	66.7	0.9	5	No	No	No
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	66.0	67.3	1.3	5	No	No	No
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	67.9	70.1	2.2	3	No	Yes	No
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	61.6	66.4	4.8	5	No	Yes	No
7	Shiloh Rd	Gridley Dr	Project Entrance East	61.4	65.9	4.5	5	No	Yes	No
8	Shiloh Rd	Project Entrance East	East of Project Entrance	60.9	62.1	1.2	5	No	Yes	No
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	69.0	69.4	0.4	5	No	Yes	No
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	65.9	66.6	0.7	3	No	Yes	No
11	Old Redwood Hwy	Project Entrance	South of Project Entrance	65.2	65.6	0.4	3	No	Yes	No
<p>Notes</p> <ol style="list-style-type: none"> <li>Impact assessment thresholds are summarized on page 26.</li> <li>Sensitive receptors were considered to be residences of all densities, schools, &amp; transient lodging facilities.</li> <li>A significant impact is identified only along segments where the project-related traffic noise level increase would exceed the significance threshold AND where sensitive receptors are present along the roadway segment.</li> </ol> <p>Source: FHWA-RD-77-108 with inputs from project traffic impact study. Appendix E contains FHWA Model inputs for existing plus project conditions.</p>										

**Table 11**  
**Predicted Traffic Noise Level Increases at Existing Sensitive Receptors – Baseline vs. Cumulative + Project Conditions**  
**Shiloh Resort and Casino Project – Alternative A: Proposed Project**

#	Roadway	From	To	Predicted DNL [dBA]			Significance Threshold <sup>1</sup>	Threshold Exceeded?	Sensitive Receptors Present? <sup>2</sup>	Significant Impact Identified? <sup>3</sup>
				Baseline	Cumulative + Project	Increase				
1	Shiloh Rd	Conde Ln	Caletti Ave	55.9	57.7	1.8	5.0	No	Yes	No
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	66.1	67.5	1.4	5.0	No	No	No
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	65.8	68.3	2.5	5.0	No	No	No
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	66.0	68.7	2.7	5.0	No	No	No
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	67.9	72.1	4.2	3.0	Yes	Yes	Yes
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	61.6	67.0	5.4	5.0	Yes	Yes	Yes
7	Shiloh Rd	Gridley Dr	Project Entrance East	61.4	66.3	4.9	5.0	No	Yes	No
8	Shiloh Rd	Project Entrance East	East of Project Entrance	60.9	63.0	2.1	5.0	No	Yes	No
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	69.0	71.5	2.5	5.0	No	Yes	No
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	65.9	69.7	3.8	3.0	Yes	Yes	Yes
11	Old Redwood Hwy	Project Entrance	South of Project Entrance	65.2	66.6	1.4	3.0	No	Yes	No
<b>Notes</b> 1. Impact assessment thresholds are summarized on on page 26. 2. Sensitive receptors were considered to be residences of all densities, schools, & transient lodging facilities. 3. A significant impact is identified only along segments where the project-related traffic noise level increase would exceed the significance threshold AND where sensitive receptors are present along the roadway segment. <i>Source: FHWA-RD-77-108 with inputs from project traffic impact study. Appendix E contains FHWA Model inputs for cumulative conditions.</i>										

## On-Site Operational Noise

On-Site noise sources associated with Alternative A include on-site vehicle circulation, parking lot operations, truck deliveries, and swimming pool area activities. Noise generating equipment associated with water and wastewater treatment facilities will be shielded, enclosed, or located within buildings to the maximum extent feasible and thus would not result in a significant source of noise at nearby sensitive receptors. Each of these sources were evaluated using the SoundPlan Version 8.2 noise prediction model. Inputs to the SoundPlan model consisted of local topographic data, existing structures, proposed on-site structures, atmospheric data, and operational data obtained from the project description, traffic impact analysis, and BAC reference file data for parking lot, swimming pool, and truck delivery noise. The SoundPlan noise inputs are provided in Appendix F. The SoundPlan modelling results for peak hour conditions at each sensitive receptor identified on Figure 6 are provided in Table 12. Figure 7 shows the average/median noise contours for on-site noise sources associated with Alternative A.

The predicted *maximum* noise levels identified in Table 12 for on-site noise sources are at or below the 65 dBA Lmax daytime and 60 dB Lmax nighttime noise level standards applicable at the nearest Sonoma County residences (receivers 5-20 on Figure 6). Also, the predicted *maximum* noise levels identified in Table 12 for on-site noise sources are below the 55 dBA Lmax daytime noise level standard applicable at the nearest Town of Windsor residences (receivers 1-4 on Figure 6). Because project nighttime noise generation is predicted to be lower than daytime noise generation, noise generated by on-site activities is also predicted to be satisfactory relative to the Town of Windsor nighttime 50 dBA Lmax nighttime noise level standard at the nearest residences. In addition, comparison of the predicted maximum noise levels generated by the project against the ambient noise survey results indicates that no substantial increase in single-event, *maximum* ambient noise levels would result from the project. As a result, ***no significant adverse noise effects are identified*** for project-generated, single-event maximum noise levels at the nearest sensitive receptors to the project site from on-site activities.

The predicted *average/median* (Leq/L50) noise levels identified in Table 12 for on-site noise sources are below the 50 and 55 dBA daytime average/median noise standards of Sonoma County and the Town of Windsor, respectively, at each of the nearest receptors analyzed in this evaluation. Because peak nighttime noise generation is predicted to be considerably lower than peak daytime project noise generation, on-site activities at the project site are not expected to cause exceedance of the applicable average/median nighttime noise level standards at the nearest sensitive receptors. As a result, ***no significant adverse noise effects are identified*** relative to average/median noise levels generated by on-site activities.

**Table 12**  
**Predicted Noise Levels from On-Site Activities**  
**Shiloh Resort and Casino Project – Alternative A: Proposed Project**

Receiver	Lmax, dBA					Leq/L50, dBA				
	Parking	Pool	Trucks	Traffic	Total	Parking	Pool	Trucks	Traffic	Total
1	40	26	31	38	<b>40</b>	27	24	2	33	<b>34</b>
2	44	21	33	46	<b>46</b>	31	20	4	41	<b>41</b>
3	51	29	35	49	<b>51</b>	36	25	6	44	<b>44</b>
4	43	34	33	42	<b>43</b>	30	32	5	37	<b>39</b>
5	44	32	30	37	<b>44</b>	32	30	3	32	<b>36</b>
6	50	29	32	49	<b>50</b>	41	27	4	44	<b>46</b>
7	46	23	32	42	<b>46</b>	37	21	2	37	<b>40</b>
8	46	26	46	46	<b>46</b>	39	22	12	41	<b>43</b>
9	31	17	26	56	<b>56</b>	21	15	0	51	<b>51</b>
10	33	26	38	36	<b>38</b>	28	19	10	31	<b>33</b>
11	45	22	37	49	<b>49</b>	35	17	3	44	<b>44</b>
12	50	29	57	53	<b>57</b>	36	24	25	48	<b>48</b>
13	43	27	55	49	<b>55</b>	31	23	26	44	<b>44</b>
14	38	31	59	47	<b>59</b>	28	28	31	42	<b>42</b>
15	40	28	60	50	<b>60</b>	30	25	31	45	<b>45</b>
16	36	28	59	50	<b>59</b>	27	25	26	45	<b>45</b>
17	48	28	56	51	<b>56</b>	30	25	17	46	<b>46</b>
18	48	31	38	51	<b>51</b>	33	25	8	46	<b>46</b>
19	43	35	33	42	<b>43</b>	29	26	3	37	<b>38</b>
20	41	31	32	38	<b>41</b>	27	25	3	33	<b>35</b>
Source: Bollard Acoustical Consultants, Inc. (BAC) 2022										




**Figure 7**

**Shiloh Resort & Casino  
Alternative A**  
Noise Contours ( $L_{eq}/L_{50}$ )  
for from combined noise  
sources: pool area, on-site  
traffic, passenger parking,  
and truck loading docks.

**Legend**

$L_{eq}/L_{50}$  [dBA]

>=	60
55 -	60
50 -	55
45 -	50

 Noise-Sensitive Receiver



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## Alternative B – Reduced Intensity Project

### Construction Noise

During the construction phases of projects, noise from construction activities would add to the noise environment in the immediate project vicinity. Activities involved in typical construction would generate maximum noise levels, as indicated in Table 13, ranging from 76 to 85 dBA  $L_{max}$  at a distance of 50 feet. Not all of these construction activities would be required of this project.

**Table 13**  
**Construction Equipment Reference Noise Levels**

Equipment Description	Maximum Noise Level at 50 feet [dBA]
Air compressor	80
Backhoe	80
Compactor	82
Concrete mixer	85
Concrete pump	82
Concrete vibrator	76
Crane, mobile	83
Dozer	85
Generator	82
Grader	85
Impact wrench	85
Loader	80
Paver	85
Pneumatic tool	85
Pump	77
Saw	76
Scarifier	83
Scraper	85
Shovel	82
Truck	84

*Source: Federal Transit Administration Noise and Vibration Impact Assessment Manual, Table 7-1 (2018)*

Based on the equipment noise levels in Table 13, worst-case on-site project construction equipment maximum noise levels at the nearest existing noise-sensitive uses located approximately 200+ feet away are expected to range from approximately 64 to 73 dBA  $L_{max}$ .

According to Table 1, construction noise impacts would be significant where daytime construction activities would generate noise levels exceeding 90 dBA  $L_{max}$  during daytime hours. As shown in Table 5, baseline maximum noise levels in the immediate Project vicinity ranged from 64 to 80 dBA during daytime hours. Because daytime construction activities are predicted to generate maximum noise levels of 73 dBA  $L_{max}$  or less, which are below the 90 dBA  $L_{max}$  daytime threshold, project construction activities are ***predicted to result in less than significant adverse effects*** during daytime hours.

The proposed construction Best Management Practices to be utilized for this project include limiting construction activities involving noise generating equipment to daytime hours between 7:00 a.m. and 6:00 p.m., with the exception of federal holidays where no work will occur, and with no construction work occurring between the hours of 10:00 p.m. to 7:00 a.m. With the implementation of this BMP, construction noise generated by Alternative B would not exceed construction noise thresholds during the evening (6:00 p.m. to 10:00 p.m.) or nighttime (10:00 p.m. to 7:00 a.m.); **therefore, a less-than-significant impact would occur.** Further, the limitation of construction activities to daytime hours is generally consistent with the Town of Windsor municipal code that authorizes construction activities between the hours of 7:00 a.m. and 7:00 p.m. Monday through Friday and between the hours of 8:00 a.m. and 7:00 p.m. on Saturday.

## Construction Vibration

During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would generate localized vibration in the immediate vicinity of the construction. The nearest identified existing sensitive receptors are located approximately 200+ feet from where construction activities would occur within the Project site.

Table 14 includes the range of vibration levels for equipment commonly used in general construction projects at a reference distance of 25 feet from the equipment. The Table 14 data also include predicted equipment vibration levels at a distance of 200 feet from proposed construction activities.

**Table 14**  
**Vibration Source Levels for Construction Equipment**

Equipment	Maximum Vibration Level at 25 feet [VdB (rms)]	Predicted Maximum Vibration Level at 200 feet [VdB (rms)]
Vibratory Roller	94	67
Hoe Ram	87	60
Large bulldozer	87	60
Loaded trucks	86	61
Jackhammer	79	52
Small bulldozer	58	31
Source: 2018 FTA Transit Noise and Vibration Impact Assessment Manual and BAC calculations		

As shown in Table 14, with the exception of vibratory roller operations, vibration levels generated from on-site construction activities are predicted to be below the 65 VdB threshold of perception at the nearest existing sensitive receptors located approximately 200+ feet from project construction activities. As a result, with the exception of vibratory roller operations, project-generated construction vibration is predicted to result in **less than significant adverse effects** at nearby sensitive receptors.

To mitigate potentially significant adverse effects associated with the use of vibratory roller usage at the project site, the use of vibratory rollers shall be limited to locations beyond 250 feet from an existing sensitive receptor and non-vibratory rollers shall be utilized at locations within 250 feet from an existing sensitive receptor.

## **Off-Site Traffic Noise**

With development of the project, traffic volumes on the local roadway network will increase. Those increases in Average Daily Traffic (ADT) volumes will result in a corresponding increase in traffic noise levels at existing sensitive uses located along those roadways. Two conditions were evaluated for Alternative B: Opening Year 2028 (Baseline) and Cumulative Year 2040.

The FHWA Traffic Noise Model (FHWA-RD-77-108) was used to quantify increases in baseline traffic noise levels at the existing sensitive land uses nearest to the project area roadway network. The FHWA Model predicts hourly Leq values for free-flowing traffic conditions. Estimates of the hourly distribution of traffic for a typical 24-hour period were used to develop DNL values from Leq values. Tables 15 & 16 show the predicted increases in traffic noise levels due to the project relative to opening year and cumulative (2040) conditions without the project.

**Table 15**  
**Predicted Traffic Noise Level Increases at Existing Sensitive Receptors – Baseline vs. Baseline + Project Conditions**  
**Shiloh Resort and Casino Project – Alternative B: Reduced Intensity Project**

#	Roadway	From	To	Predicted DNL [dBA]			Significance Threshold <sup>1</sup>	Threshold Exceeded?	Sensitive Receptors Present? <sup>2</sup>	Significant Impact Identified? <sup>3</sup>
				Baseline	Baseline + Project	Increase				
1	Shiloh Rd	Conde Ln	Caletti Ave	55.9	55.7	-0.2 <sup>5</sup>	5	No	Yes	No
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	66.1	65.8	-0.3 <sup>5</sup>	5	No	No	No
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	65.8	66.3	0.5	5	No	No	No
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	66.0	66.9	0.9	5	No	No	No
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	67.9	69.5	1.6	3	No	Yes	No
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	61.6	65.7	4.1	5	No	Yes	No
7	Shiloh Rd	Gridley Dr	Project Entrance East	61.4	65.2	3.8	5	No	Yes	No
8	Shiloh Rd	Project Entrance East	East of Project Entrance	60.9	61.7	0.8	5	No	Yes	No
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	69.0	69.0	0.0	5	No	Yes	No
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	65.9	66.1	0.2	3	No	Yes	No
11	Old Redwood Hwy	Project Entrance	South of Project Entrance	65.2	65.2	0.0	3	No	Yes	No
<b>Notes</b> 1. Impact assessment thresholds are summarized on on page 26. 2. Significance threshold derived from Table 4. 3. Sensitive receptors were considered to be residences of all densities, schools, & transient lodging facilities. 4. A significant impact is identified only along segments where the project-related traffic noise level increase would exceed the significance threshold AND where sensitive receptors are present along the roadway segment. 5. Under Alternative B changes to traffic distribution patterns resulted in reduced traffic along portions of Shiloh Road and thus reduced traffic noise. <i>Source: FHWA-RD-77-108 with inputs from project traffic impact study. Appendix E contains FHWA Model inputs for existing plus project conditions.</i>										

**Table 16**  
**Predicted Traffic Noise Level Increases at Existing Sensitive Receptors – Baseline vs. Cumulative + Project Conditions**  
**Shiloh Resort and Casino Project – Alternative B: Reduced Intensity Project**

#	Roadway	From	To	Predicted DNL [dBA]			Significance Threshold <sup>1</sup>	Threshold Exceeded?	Sensitive Receptors Present? <sup>2</sup>	Significant Impact Identified? <sup>3</sup>
				Baseline	Cumulative + Project	Increase				
1	Shiloh Rd	Conde Ln	Caletti Ave	55.9	57.7	1.8	5.0	No	Yes	No
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	66.1	67.5	1.4	5.0	No	No	No
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	65.8	68.2	2.4	5.0	No	No	No
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	66.0	68.5	2.5	5.0	No	No	No
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	67.9	71.8	3.9	3.0	Yes	Yes	Yes
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	61.6	66.4	4.8	5.0	No	Yes	No
7	Shiloh Rd	Gridley Dr	Project Entrance East	61.4	65.8	4.4	5.0	No	Yes	No
8	Shiloh Rd	Project Entrance East	East of Project Ent.	60.9	62.8	1.9	5.0	No	Yes	No
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	69.0	71.5	2.5	5.0	No	Yes	No
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	65.9	69.6	3.7	3.0	Yes	Yes	Yes
11	Old Redwood Hwy	Project Entrance	South of Project Ent.	65.2	66.5	1.3	3.0	No	Yes	No
<b>Notes</b> 1. Impact assessment thresholds are summarized on on page 26. 2. Sensitive receptors were considered to be residences of all densities, schools, & transient lodging facilities. 3. A significant impact is identified only along segments where the project-related traffic noise level increase would exceed the significance threshold AND where sensitive receptors are present along the roadway segment.  <i>Source: FHWA-RD-77-108 with inputs from project traffic impact study. Appendix E contains FHWA Model inputs for cumulative conditions.</i>										

The data in Table 15 indicate that project-generated traffic noise level increases would not result in significant adverse noise effects relative to existing / baseline conditions. In addition, the project would not cause traffic noise levels to exceed the 67 dBA threshold applicable to residential uses at locations where existing residences are present. As a result, off-site traffic noise level increases resulting from the project are ***not predicted to result in significant adverse effects*** relative to baseline conditions without the project.

The data in Table 16 indicate that the cumulative plus project traffic noise environment would exceed the existing / baseline traffic noise environment by 1.3 to 4.8 dBA DNL at existing sensitive receptors located adjacent to the project-area roadways. The cumulative plus project traffic noise level increases would exceed the applicable significance thresholds along two (2) of the roadway segments containing sensitive land uses. In addition, along one of the roadway segments evaluated in Table 16 (segment 10), cumulative plus project traffic conditions would exceed the 67 dBA threshold applicable to residential uses where that threshold is not currently being exceeded under existing / baseline conditions. As a result, increases in in existing / baseline traffic noise levels resulting from cumulative plus project traffic is predicted to result in ***significant adverse effects*** at the residences located along segments of Shiloh Road and Old Redwood Highway.

#### Mitigation for Significant Adverse Noise Effects Resulting from Cumulative Plus Project Off-Site Traffic

- A. **Noise-Reducing Pavement:** Noise-reducing pavement types, such as rubberized asphalt, have been shown to provide an appreciable noise level reduction relative to other pavement types (approximately 3-4 dB over conventional asphalt overlays). Because a 3-4 dB reduction in traffic noise levels would be sufficient to reduce cumulative plus project traffic noise impacts to a less than significant level, this mitigation alternative would be effective if feasible. Therefore, the project applicant shall be required to pay a fair share towards repaving the impacted roadway segments with noise-reducing pavement during the widening of roadway segments which would be required under cumulative conditions.

### **On-Site Operational Noise**

On-Site noise sources associated with Alternative B include on-site vehicle circulation, parking lot operations, truck deliveries, and swimming pool area activities. Each of these sources were evaluated using the SoundPlan Version 8.2 noise prediction model. Inputs to the SoundPlan model consisted of local topographic data, existing structures, proposed on-site structures, atmospheric data, and operational data obtained from the project description, traffic impact analysis, and BAC reference file data for parking lot, swimming pool, and truck delivery noise. The SoundPlan noise inputs are provided in Appendix G. The SoundPlan modelling results for peak hour conditions at each sensitive receptor identified on Figure 6 are provided in Table 17. Figure 8 shows the average/median noise contours for on-site noise sources associated with Alternative B.

**Table 17**  
**Predicted Noise Levels from On-Site Activities**  
**Shiloh Resort and Casino Project – Alternative B: Reduced Intensity Project**

Receiver	Lmax, dBA					Leq/L50, dBA				
	Parking	Pool	Trucks	Traffic	Total	Parking	Pool	Trucks	Traffic	Total
1	39	32	45	38	<b>45</b>	27	28	8	33	<b>35</b>
2	44	23	41	46	<b>46</b>	31	22	6	41	<b>41</b>
3	51	35	37	49	<b>51</b>	35	31	6	44	<b>45</b>
4	40	38	35	42	<b>42</b>	26	37	6	37	<b>40</b>
5	25	37	32	37	<b>37</b>	19	35	4	32	<b>37</b>
6	42	34	34	49	<b>49</b>	35	32	4	44	<b>45</b>
7	37	23	32	42	<b>42</b>	31	21	1	37	<b>38</b>
8	38	31	46	46	<b>46</b>	34	28	11	41	<b>42</b>
9	28	18	26	56	<b>56</b>	19	16	0	51	<b>51</b>
10	30	31	38	36	<b>38</b>	25	25	8	31	<b>33</b>
11	44	21	43	46	<b>46</b>	34	15	12	41	<b>42</b>
12	44	31	57	51	<b>57</b>	35	27	23	46	<b>46</b>
13	42	27	55	49	<b>55</b>	32	23	24	44	<b>44</b>
14	39	31	59	47	<b>59</b>	30	28	30	42	<b>42</b>
15	41	30	61	49	<b>61</b>	32	26	30	44	<b>45</b>
16	43	29	60	50	<b>60</b>	32	26	29	45	<b>45</b>
17	47	29	59	50	<b>59</b>	34	26	28	45	<b>46</b>
18	47	31	54	51	<b>54</b>	34	26	23	46	<b>46</b>
19	43	36	47	42	<b>47</b>	29	28	17	37	<b>38</b>
20	41	35	46	38	<b>46</b>	27	27	15	33	<b>35</b>
Source: Bollard Acoustical Consultants, Inc. (BAC) 2022										




**Figure 8**

**Shiloh Resort & Casino  
Alternative B**  
Noise Contours ( $L_{eq}/L_{50}$ )  
for from combined noise  
sources: pool area, on-site  
traffic, passenger parking,  
and truck loading docks.

**Legend**

$L_{eq}/L_{50}$  [dBA]

- $\geq 60$
- 55 - 60
- 50 - 55
- 45 - 50

 Noise-Sensitive Receiver



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The predicted *maximum* noise levels identified in Table 17 for on-site noise sources are below the 65 dBA Lmax daytime noise level standard applicable at the nearest Sonoma County residences (receivers 5-20 on Figure 6). Because project nighttime noise generation is predicted to be lower than daytime noise generation, noise generated by on-site activities is also predicted to be satisfactory relative to the County's 60 dBA Lmax nighttime noise standard and be well below baseline ambient noise levels at the Sonoma County residences.

The predicted *maximum* noise levels identified in Table 17 for on-site noise sources are below the 55 dBA Lmax daytime noise level standard applicable at the nearest Town of Windsor residences (receivers 1-4 on Figure 6). Because project nighttime noise generation is predicted to be lower than daytime noise generation, noise generated by on-site activities is also predicted to be satisfactory relative to the Town of Windsor nighttime 50 dBA Lmax nighttime noise level standard at the nearest residences. In addition, comparison of the predicted maximum noise levels generated by the project against the ambient noise survey results indicates that no substantial increase in single-event, *maximum* ambient noise levels would result from the project. As a result, ***no significant adverse noise effects are identified*** for project-generated, single-event maximum noise levels at the nearest sensitive receptors to the project site from on-site activities.

The predicted *average/median* (Leq/L50) noise levels identified in Table 17 for on-site noise sources are below the 50 and 55 dBA daytime average/median noise standards of Sonoma County and the Town of Windsor, respectively, at each of the nearest receptors analyzed in this evaluation. Because peak nighttime noise generation is predicted to be considerably lower than peak daytime project noise generation, on-site activities at the project site are not expected to cause exceedance of the applicable local average/median nighttime noise level standards at the nearest sensitive receptors. As a result, ***no significant adverse noise effects are identified*** relative to average/median noise levels generated by on-site activities.

## Alternative C – Non-Gaming Project

### Construction Noise

During the construction phases of projects, noise from construction activities would add to the noise environment in the immediate project vicinity. Activities involved in typical construction would generate maximum noise levels, as indicated in Table 18, ranging from 76 to 85 dBA  $L_{max}$  at a distance of 50 feet. Not all of these construction activities would be required of this project.

**Table 18**  
**Construction Equipment Reference Noise Levels**

Equipment Description	Maximum Noise Level at 50 feet [dBA]
Air compressor	80
Backhoe	80
Compactor	82
Concrete mixer	85
Concrete pump	82
Concrete vibrator	76
Crane, mobile	83
Dozer	85
Generator	82
Grader	85
Impact wrench	85
Loader	80
Paver	85
Pneumatic tool	85
Pump	77
Saw	76
Scarifier	83
Scraper	85
Shovel	82
Truck	84

*Source: Federal Transit Administration Noise and Vibration Impact Assessment Manual, Table 7-1 (2018)*

Based on the equipment noise levels in Table 18, worst-case on-site project construction equipment maximum noise levels at the nearest existing noise-sensitive uses located approximately 200+ feet away are expected to range from approximately 64 to 73 dBA  $L_{max}$ .

According to Table 1, construction noise impacts would be significant where daytime construction activities would generate noise levels exceeding 90 dBA  $L_{max}$  at sensitive receptor locations. As shown in Table 5, baseline maximum noise levels in the immediate Project vicinity ranged from 64 to 80 dBA during daytime hours. Because daytime construction activities are predicted to generate maximum noise levels of 73 dBA  $L_{max}$  or less, which are below the 90 dBA  $L_{max}$  threshold, project construction activities are ***predicted to result in less than significant adverse effects*** during daytime hours.

The proposed construction Best Management Practices to be utilized for this project include limiting construction activities involving noise generating equipment to daytime hours between 7:00 a.m. and 6:00 p.m., with the exception of federal holidays where no work will occur, and with no construction work occurring between the hours of 10:00 p.m. to 7:00 a.m. With the implementation of this BMP, construction noise generated by Alternative B would not exceed construction noise thresholds during the evening (6:00 p.m. to 10:00 p.m.) or nighttime (10:00 p.m. to 7:00 a.m.); **therefore, a less-than-significant impact would occur.** Further, the limitation of construction activities to daytime hours is generally consistent with the Town of Windsor municipal code that authorizes construction activities between the hours of 7:00 a.m. and 7:00 p.m. Monday through Friday and between the hours of 8:00 a.m. and 7:00 p.m. on Saturday.

## Construction Vibration

During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would generate localized vibration in the immediate vicinity of the construction. The nearest identified existing sensitive receptors are located approximately 200+ feet from where construction activities would occur within the Project site.

Table 19 includes the range of vibration levels for equipment commonly used in general construction projects at a reference distance of 25 feet from the equipment. The Table 19 data also include predicted equipment vibration levels at a distance of 200 feet from proposed construction activities.

**Table 19**  
**Vibration Source Levels for Construction Equipment**

Equipment	Maximum Vibration Level at 25 feet [VdB (rms)]	Predicted Maximum Vibration Level at 200 feet [VdB (rms)]
Vibratory Roller	94	67
Hoe Ram	87	60
Large bulldozer	87	60
Loaded trucks	86	61
Jackhammer	79	52
Small bulldozer	58	31
Source: 2018 FTA Transit Noise and Vibration Impact Assessment Manual and BAC calculations		

As shown in Table 19, with the exception of vibratory roller operations, vibration levels generated from on-site construction activities are predicted to be below the 65 VdB threshold of perception at the nearest existing sensitive receptors located approximately 200+ feet from project construction activities. As a result, with the exception of vibratory roller operations, project-generated construction vibration is predicted to result in **less than significant adverse effects** at nearby sensitive receptors.

To mitigate potentially significant adverse effects associated with the use of vibratory roller usage at the project site, the use of vibratory rollers shall be limited to locations beyond 250 feet from an existing sensitive receptor and non-vibratory rollers shall be utilized at locations within 250 feet from an existing sensitive receptor.

## **Off-Site Traffic Noise**

With development of the project, traffic volumes on the local roadway network will increase. Those increases in Average Daily Traffic (ADT) volumes will result in a corresponding increase in traffic noise levels at existing sensitive uses located along those roadways. Two conditions were evaluated for Alternative C: Opening Year 2028 (Baseline) and Cumulative Year 2040.

The FHWA Traffic Noise Model (FHWA-RD-77-108) was used to quantify increases in baseline traffic noise levels at the existing sensitive land uses nearest to the project area roadway network. The FHWA Model predicts hourly Leq values for free-flowing traffic conditions. Estimates of the hourly distribution of traffic for a typical 24-hour period were used to develop DNL values from Leq values. Tables 20 & 21 show the predicted increases in traffic noise levels due to the project relative to opening year and cumulative (2040) conditions without the project.

**Table 20**  
**Predicted Traffic Noise Level Increases at Existing Sensitive Receptors – Baseline vs. Baseline + Project Conditions**  
**Shiloh Resort and Casino Project – Alternative C: Non-Gaming**

#	Roadway	From	To	Predicted DNL [dBA]			Significance Threshold <sup>1</sup>	Threshold Exceeded?	Sensitive Receptors Present? <sup>2</sup>	Significant Impact Identified? <sup>3</sup>
				Baseline	Baseline + Project	Increase				
1	Shiloh Rd	Conde Ln	Caletti Ave	55.9	55.9	0.0	5	No	Yes	No
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	66.1	66.1	0.0	5	No	No	No
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	65.8	66.0	0.2	5	No	No	No
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	66.0	66.3	0.3	5	No	No	No
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	67.9	68.5	0.6	3	No	Yes	No
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	61.6	63.2	1.6	5	No	Yes	No
7	Shiloh Rd	Gridley Dr	Project Entrance East	61.4	62.8	1.4	5	No	Yes	No
8	Shiloh Rd	Project Entrance East	East of Project Entrance	60.9	61.2	0.3	5	No	Yes	No
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	69.0	69.1	0.1	5	No	Yes	No
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	65.9	66.1	0.2	3	No	Yes	No
11	Old Redwood Hwy	Project Entrance	South of Project Entrance	65.2	65.2	0.0	3	No	Yes	No
<b>Notes</b> 1. Significance threshold derived from Table 4. 2. Sensitive receptors were considered to be residences of all densities, schools, & transient lodging facilities. 3. A significant impact is identified only along segments where the project-related traffic noise level increase would exceed the significance threshold AND where sensitive receptors are present along the roadway segment. <i>Source: FHWA-RD-77-108 with inputs from project traffic impact study. Appendix E contains FHWA Model inputs for existing plus project conditions.</i>										

**Table 21**  
**Predicted Traffic Noise Level Increases at Existing Sensitive Receptors – Baseline vs. Cumulative + Project Conditions**  
**Shiloh Resort and Casino Project – Alternative C: Non-Gaming**

#	Roadway	From	To	Predicted DNL [dBA]			Significance Threshold <sup>1</sup>	Threshold Exceeded?	Sensitive Receptors Present? <sup>2</sup>	Significant Impact Identified? <sup>3</sup>
				Baseline	Cumulative + Project	Increase				
1	Shiloh Rd	Conde Ln	Caletti Ave	55.9	57.6	1.7	5.0	No	Yes	No
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	66.1	67.5	1.4	5.0	No	No	No
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	65.8	67.8	2.0	5.0	No	No	No
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	66.0	68.0	2.0	5.0	No	No	No
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	67.9	71.1	3.2	3.0	Yes	Yes	Yes
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	61.6	64.2	2.6	5.0	No	Yes	No
7	Shiloh Rd	Gridley Dr	Project Entrance East	61.4	63.7	2.3	5.0	No	Yes	No
8	Shiloh Rd	Project Entrance East	East of Project Ent.	60.9	62.3	1.4	5.0	No	Yes	No
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	69.0	71.3	2.3	5.0	No	Yes	No
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	65.9	69.5	3.6	3.0	Yes	Yes	Yes
11	Old Redwood Hwy	Project Entrance	South of Project Ent.	65.2	66.4	1.2	3.0	No	Yes	No
<b>Notes</b> 1. Significance threshold derived from Table 4. 2. Sensitive receptors were considered to be residences of all densities, schools, & transient lodging facilities. 3. A significant impact is identified only along segments where the project-related traffic noise level increase would exceed the significance threshold AND where sensitive receptors are present along the roadway segment. <i>Source: FHWA-RD-77-108 with inputs from project traffic impact study. Appendix E contains FHWA Model inputs for cumulative conditions.</i>										

The data in Table 20 indicate that project-generated traffic noise level increases would not result in significant adverse noise effects relative to existing / baseline conditions. In addition, the project would not cause traffic noise levels to exceed the 67 dBA threshold applicable to residential uses at locations where existing residences are present. As a result, off-site traffic noise level increases resulting from the project are ***not predicted to result in significant adverse effects*** relative to baseline conditions without the project.

The data in Table 21 indicate that the cumulative plus project traffic noise environment would exceed the existing / baseline traffic noise environment by 1.2 to 3.6 dBA DNL at existing sensitive receptors located adjacent to the project-area roadways. The cumulative plus project traffic noise level increases would exceed the applicable significance thresholds along two (2) of the roadway segments containing sensitive land uses. In addition, along one of the roadway segments evaluated in Table 16 (segment 10), cumulative plus project traffic conditions would exceed the 67 dBA threshold applicable to residential uses where that threshold is not currently being exceeded under existing / baseline conditions. As a result, increases in existing / baseline traffic noise levels resulting from cumulative plus project traffic is predicted to result in ***significant adverse effects*** at the residences located along segments of Shiloh Road and Old Redwood Highway.

#### Mitigation for Significant Adverse Noise Effects Resulting from Cumulative Plus Project Off-Site Traffic

The mitigation of impacts at existing sensitive receptors resulting from significant project-related traffic noise increases is frequently challenging because of a combination of limited mitigation options, constraints upon implementation of certain options, cost of implementation, and limited effectiveness of some options. Nonetheless, the following specific options for mitigation of off-site traffic noise impacts at existing noise sensitive receptors should be considered to the extent reasonable and feasible:

- A. **Noise-Reducing Pavement:** Noise-reducing pavement types, such as rubberized asphalt, have been shown to provide an appreciable noise level reduction relative to other pavement types (approximately 3-4 dB over conventional asphalt overlays). Because a 3-4 dB reduction in traffic noise levels would be sufficient to reduce cumulative plus project traffic noise impacts to a less than significant level, this mitigation alternative would be effective if feasible. Therefore, the project applicant shall be required to pay a fair share towards repaving the impacted roadway segments with noise-reducing pavement during the widening of roadway segments which would be required under cumulative conditions.

### **On-Site Operational Noise**

On-Site noise sources associated with Alternative C include on-site vehicle circulation, parking lot operations, truck deliveries, and swimming pool area activities. Each of these sources were evaluated using the SoundPlan Version 8.2 noise prediction model. Inputs to the SoundPlan model consisted of local topographic data, existing structures, proposed on-site structures, atmospheric data, and operational data obtained from the project description, traffic impact analysis, and BAC reference file data for parking lot, swimming pool, and truck delivery noise. The SoundPlan noise inputs are provided in Appendix H. The SoundPlan modelling results for peak hour conditions at each sensitive receptor identified on Figure 6 are provided in Table 22. Figure 9 shows the average/median noise contours for on-site noise sources associated with Alternative C.

**Table 22**  
**Predicted Noise Levels from On-Site Activities**  
**Shiloh Resort and Casino Project – Alternative C: Non-Gaming**

Receiver	Lmax, dBA					Leq/L50, dBA				
	Parking	Pool	Trucks	Traffic	Total	Parking	Pool	Trucks	Traffic	Total
1	33	33	48	35	<b>48</b>	21	29	11	30	<b>33</b>
2	39	28	42	41	<b>39</b>	25	24	9	36	<b>37</b>
3	31	33	41	43	<b>43</b>	19	30	8	38	<b>39</b>
4	47	37	37	33	<b>47</b>	29	34	5	28	<b>36</b>
5	51	33	34	21	<b>51</b>	36	29	3	16	<b>36</b>
6	47	31	49	26	<b>59</b>	38	23	8	21	<b>39</b>
7	42	20	34	20	<b>42</b>	28	19	0	15	<b>29</b>
8	43	29	45	25	<b>45</b>	34	24	10	20	<b>35</b>
9	15	14	30	10	<b>30</b>	10	13	0	5	<b>15</b>
10	31	31	39	21	<b>39</b>	24	25	7	16	<b>28</b>
11	35	34	44	25	<b>44</b>	29	29	14	20	<b>33</b>
12	39	39	46	31	<b>46</b>	33	36	15	26	<b>38</b>
13	38	32	51	31	<b>51</b>	30	27	18	26	<b>33</b>
14	41	40	55	36	<b>55</b>	35	37	24	31	<b>40</b>
15	43	41	58	39	<b>58</b>	36	38	27	34	<b>41</b>
16	44	43	60	43	<b>60</b>	37	38	29	38	<b>43</b>
17	46	43	61	47	<b>61</b>	35	39	30	42	<b>44</b>
18	44	43	59	50	<b>59</b>	32	39	28	45	<b>46</b>
19	35	40	52	39	<b>52</b>	27	34	20	34	<b>38</b>
20	33	38	49	36	<b>49</b>	25	33	18	31	<b>35</b>
Source: Bollard Acoustical Consultants, Inc. (BAC) 2022										



**Figure 9**


**Shiloh Resort & Casino  
Alternative C**

**Noise Contours ( $L_{eq}/L_{50}$ )**  
for from combined noise  
sources: pool area, on-site  
traffic, passenger parking,  
and truck loading docks.

**Legend**

$L_{eq}/L_{50}$  [dBA]

$\geq$	60
55 -	60
50 -	55
45 -	50

 Noise-Sensitive Receiver



**BOLLARD**  
Acoustical Consultants



The predicted *maximum* noise levels identified in Table 22 for on-site noise sources are below the 65 dBA Lmax daytime noise level standard applicable at the nearest Sonoma County residences (receivers 5-20 on Figure 6). Because project nighttime noise generation is predicted to be lower than daytime noise generation, noise generated by on-site activities is also predicted to be satisfactory relative to the County's 60 dBA Lmax nighttime noise standard and be well below baseline ambient noise levels at the Sonoma County residences.

The predicted *maximum* noise levels identified in Table 22 for on-site noise sources are below the 55 dBA Lmax daytime noise level standard applicable at the nearest Town of Windsor residences (receivers 1-4 on Figure 6). Because project nighttime noise generation is predicted to be lower than daytime noise generation, noise generated by on-site activities is also predicted to be satisfactory relative to the Town of Windsor nighttime 50 dBA Lmax nighttime noise level standard at the nearest residences. In addition, comparison of the predicted maximum noise levels generated by the project against the ambient noise survey results indicates that no substantial increase in single-event, *maximum* ambient noise levels would result from the project. As a result, ***no significant adverse noise effects are identified*** for project-generated, single-event maximum noise levels at the nearest sensitive receptors to the project site from on-site activities.

The predicted *average/median* (Leq/L50) noise levels identified in Table 22 for on-site noise sources are below the 50 and 55 dBA daytime average/median noise standards of Sonoma County and the Town of Windsor, respectively. Because peak nighttime noise generation is predicted to be considerably lower than peak daytime project noise generation, on-site activities at the project site are not expected to cause exceedance of the applicable local average/median nighttime noise level standards at the nearest sensitive receptors. As a result, on-site noise resulting from the project is predicted to be ***less than significant***.



## Appendix A

### Acoustical Terminology

<b>Acoustics</b>	The science of sound.
<b>Ambient Noise</b>	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.
<b>Attenuation</b>	The reduction of an acoustic signal.
<b>A-Weighting</b>	A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.
<b>Decibel or dB</b>	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.
<b>CNEL</b>	Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by a factor of three and nighttime hours weighted by a factor of 10 prior to averaging.
<b>Frequency</b>	The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz.
<b>IIC</b>	Impact Insulation Class (IIC): A single-number representation of a floor/ceiling partition's impact generated noise insulation performance. The field-measured version of this number is the FIIC.
<b>L<sub>dn</sub></b>	Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.
<b>Leq</b>	Equivalent or energy-averaged sound level.
<b>L<sub>max</sub></b>	The highest root-mean-square (RMS) sound level measured over a given period of time.
<b>Loudness</b>	A subjective term for the sensation of the magnitude of sound.
<b>Masking</b>	The amount (or the process) by which the threshold of audibility is for one sound is raised by the presence of another (masking) sound.
<b>Noise</b>	Unwanted sound.
<b>Peak Noise</b>	The level corresponding to the highest (not RMS) sound pressure measured over a given period of time. This term is often confused with the "Maximum" level, which is the highest RMS level.
<b>RT<sub>60</sub></b>	The time it takes reverberant sound to decay by 60 dB once the source has been removed.
<b>STC</b>	Sound Transmission Class (STC): A single-number representation of a partition's noise insulation performance. This number is based on laboratory-measured, 16-band (1/3-octave) transmission loss (TL) data of the subject partition. The field-measured version of this number is the FSTC.





### Legend

- A** Site 1 Facing South
- B** Site 2 Facing North
- C** Site 3 Facing West
- D** Site 4 Facing West

Shiloh Resort & Casino  
Photographs of Survey Locations  
Sonoma County, California

Appendix B-1







**Legend**

- A** Site 1 Facing South
- B** Site 2 Facing West
- C** Site 3 Facing West
- D** Site 4 Facing South

Shiloh Resort & Casino  
Photographs of Survey Locations  
Sonoma County, California

Appendix B-2



**Appendix C-1**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Friday, April 29, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	38	48	37	35
1:00 AM	36	47	36	33
2:00 AM	36	55	35	32
3:00 AM	37	48	36	33
4:00 AM	39	48	38	36
5:00 AM	53	74	42	39
6:00 AM	48	58	47	45
7:00 AM	52	75	47	45
8:00 AM	46	60	45	42
9:00 AM	48	70	42	39
10:00 AM	46	66	41	38
11:00 AM	51	72	45	40
12:00 PM	50	69	44	40
1:00 PM	47	67	43	40
2:00 PM	47	60	45	44
3:00 PM	48	71	43	41
4:00 PM	47	64	44	40
5:00 PM	43	61	42	39
6:00 PM	46	63	45	43
7:00 PM	46	68	45	43
8:00 PM	47	54	47	44
9:00 PM	47	60	47	46
10:00 PM	48	73	44	42
11:00 PM	41	48	41	39

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	52	43	48	53	36	46
Lmax (Maximum)	75	54	65	74	47	56
L50 (Median)	47	41	44	47	35	40
L90 (Background)	46	38	42	45	32	37

Computed DNL, dB	53
% Daytime Energy	70%
% Nighttime Energy	30%

GPS Coordinates	38°31'21.27"N
	122°46'13.22"W



**Appendix C-2**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Saturday, April 30, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	40	46	40	37
1:00 AM	38	49	37	35
2:00 AM	37	51	37	34
3:00 AM	37	49	35	33
4:00 AM	43	49	41	33
5:00 AM	51	70	46	41
6:00 AM	48	57	47	45
7:00 AM	48	55	48	45
8:00 AM	45	73	43	40
9:00 AM	50	73	45	42
10:00 AM	47	68	45	43
11:00 AM	46	55	45	43
12:00 PM	45	57	44	42
1:00 PM	47	62	45	42
2:00 PM	48	60	47	46
3:00 PM	49	63	48	46
4:00 PM	47	57	46	43
5:00 PM	46	67	45	42
6:00 PM	49	67	45	43
7:00 PM	47	60	46	43
8:00 PM	50	60	51	44
9:00 PM	51	71	50	46
10:00 PM	45	53	44	40
11:00 PM	42	51	41	38

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	51	45	48	51	37	45
Lmax (Maximum)	73	55	63	70	46	53
L50 (Median)	51	43	46	47	35	41
L90 (Background)	46	40	43	45	33	37

Computed DNL, dB	52
% Daytime Energy	76%
% Nighttime Energy	24%

GPS Coordinates	38°31'21.27"N
	122°46'13.22"W

**Appendix C-3**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Sunday, May 1, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	39	59	38	36
1:00 AM	39	59	37	35
2:00 AM	41	47	39	35
3:00 AM	40	50	40	31
4:00 AM	38	63	33	30
5:00 AM	55	75	42	33
6:00 AM	45	55	43	41
7:00 AM	44	65	41	39
8:00 AM	45	65	40	38
9:00 AM	45	64	41	38
10:00 AM	43	56	41	39
11:00 AM	46	65	44	40
12:00 PM	44	60	41	38
1:00 PM	46	67	41	37
2:00 PM	46	62	43	40
3:00 PM	47	65	44	43
4:00 PM	46	64	44	43
5:00 PM	45	56	43	42
6:00 PM	47	63	46	41
7:00 PM	45	63	43	41
8:00 PM	51	60	51	46
9:00 PM	52	71	50	48
10:00 PM	51	54	52	49
11:00 PM	50	53	51	46

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	52	43	47	55	38	49
Lmax (Maximum)	71	56	63	75	47	57
L50 (Median)	51	40	44	52	33	42
L90 (Background)	48	37	41	49	30	37

Computed DNL, dB	55
% Daytime Energy	52%
% Nighttime Energy	48%

GPS Coordinates	38°31'21.27"N
	122°46'13.22"W

**Appendix C-4**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Monday, May 2, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	43	51	39	36
1:00 AM	38	53	37	35
2:00 AM	40	61	37	34
3:00 AM	39	53	38	35
4:00 AM	41	48	41	37
5:00 AM	49	59	45	43
6:00 AM	50	62	49	48
7:00 AM	48	69	47	44
8:00 AM	46	66	44	41
9:00 AM	45	56	43	40
10:00 AM	47	57	46	42
11:00 AM	48	72	45	43
12:00 PM	47	64	45	43
1:00 PM	50	72	47	45
2:00 PM	49	65	47	45
3:00 PM	52	62	51	47
4:00 PM	53	64	52	48
5:00 PM	52	67	50	47
6:00 PM	50	61	49	45
7:00 PM	47	61	45	43
8:00 PM	47	54	47	43
9:00 PM	48	65	47	41
10:00 PM	42	49	42	39
11:00 PM	41	50	39	35

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	53	45	49	50	38	45
Lmax (Maximum)	72	54	64	62	48	54
L50 (Median)	52	43	47	49	37	41
L90 (Background)	48	40	44	48	34	38

Computed DNL, dB	52
% Daytime Energy	83%
% Nighttime Energy	17%

GPS Coordinates	38°31'21.27"N
	122°46'13.22"W

**Appendix C-5**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Tuesday, May 3, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	37	53	36	34
1:00 AM	37	44	36	35
2:00 AM	34	43	34	30
3:00 AM	34	43	34	31
4:00 AM	36	47	35	32
5:00 AM	48	62	43	38
6:00 AM	46	57	46	43
7:00 AM	46	60	45	43
8:00 AM	60	82	45	43
9:00 AM	45	63	44	41
10:00 AM	44	64	42	39
11:00 AM	45	63	42	39
12:00 PM	44	60	42	39
1:00 PM	45	65	42	39
2:00 PM	45	62	42	40
3:00 PM	44	60	43	40
4:00 PM	46	65	44	42
5:00 PM	45	62	44	43
6:00 PM	45	65	42	39
7:00 PM	45	62	42	40
8:00 PM	45	52	45	41
9:00 PM	49	52	49	46
10:00 PM	43	53	42	40
11:00 PM	40	49	40	36

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	60	44	50	48	34	42
Lmax (Maximum)	82	52	62	62	43	50
L50 (Median)	49	42	43	46	34	38
L90 (Background)	46	39	41	43	30	35

Computed DNL, dB	51
% Daytime Energy	90%
% Nighttime Energy	10%

GPS Coordinates	38°31'21.27"N
	122°46'13.22"W

**Appendix C-6**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Friday, April 29, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	47	71	36	34
1:00 AM	45	71	34	33
2:00 AM	41	70	34	32
3:00 AM	37	49	36	34
4:00 AM	50	74	38	35
5:00 AM	58	77	43	39
6:00 AM	63	85	52	47
7:00 AM	62	78	52	46
8:00 AM	63	77	54	44
9:00 AM	62	84	49	40
10:00 AM	62	79	50	40
11:00 AM	61	78	52	42
12:00 PM	60	75	51	43
1:00 PM	61	78	51	43
2:00 PM	61	77	52	45
3:00 PM	62	76	54	44
4:00 PM	61	76	50	43
5:00 PM	60	81	48	41
6:00 PM	60	77	48	43
7:00 PM	58	73	46	43
8:00 PM	57	80	44	41
9:00 PM	55	77	42	40
10:00 PM	56	78	41	39
11:00 PM	54	78	38	36

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	63	55	61	63	37	56
Lmax (Maximum)	84	73	78	85	49	72
L50 (Median)	54	42	50	52	34	39
L90 (Background)	46	40	43	47	32	36

Computed DNL, dB	63
% Daytime Energy	83%
% Nighttime Energy	17%

GPS Coordinates	38°31'32.04"N
	122°46'14.39"W

**Appendix C-7**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Saturday, April 30, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	45	71	36	34
1:00 AM	44	71	35	33
2:00 AM	47	73	35	33
3:00 AM	42	68	35	33
4:00 AM	46	71	35	32
5:00 AM	55	74	44	39
6:00 AM	57	74	48	46
7:00 AM	60	80	49	46
8:00 AM	60	80	47	42
9:00 AM	61	79	50	45
10:00 AM	60	75	51	45
11:00 AM	61	80	51	45
12:00 PM	61	82	49	43
1:00 PM	60	77	49	43
2:00 PM	60	78	52	47
3:00 PM	62	81	53	48
4:00 PM	62	87	52	46
5:00 PM	60	76	48	42
6:00 PM	60	79	48	44
7:00 PM	58	78	47	44
8:00 PM	57	74	45	42
9:00 PM	56	78	44	42
10:00 PM	53	73	42	40
11:00 PM	53	75	39	37

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	62	56	60	57	42	52
Lmax (Maximum)	87	74	79	75	68	72
L50 (Median)	53	44	49	48	35	39
L90 (Background)	48	42	44	46	32	36

Computed DNL, dB	61
% Daytime Energy	92%
% Nighttime Energy	8%

GPS Coordinates	38°31'32.04"N
	122°46'14.39"W



**Appendix C-8**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Sunday, May 1, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	46	72	37	36
1:00 AM	47	70	36	34
2:00 AM	36	60	35	33
3:00 AM	41	70	33	32
4:00 AM	45	71	33	32
5:00 AM	55	79	39	33
6:00 AM	55	73	46	41
7:00 AM	57	76	44	39
8:00 AM	59	77	46	38
9:00 AM	60	76	47	39
10:00 AM	62	91	49	40
11:00 AM	60	79	49	41
12:00 PM	61	87	46	39
1:00 PM	59	74	46	38
2:00 PM	58	73	47	42
3:00 PM	59	76	47	43
4:00 PM	59	75	47	43
5:00 PM	57	73	45	41
6:00 PM	59	79	45	41
7:00 PM	57	76	45	41
8:00 PM	57	80	44	40
9:00 PM	55	78	43	40
10:00 PM	51	73	40	38
11:00 PM	49	72	38	36

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	62	55	59	55	36	50
Lmax (Maximum)	91	73	78	79	60	71
L50 (Median)	49	43	46	46	33	38
L90 (Background)	43	38	40	41	32	35

Computed DNL, dB	59
% Daytime Energy	92%
% Nighttime Energy	8%

GPS Coordinates	38°31'32.04"N
	122°46'14.39"W

**Appendix C-9**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Monday, May 2, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	46	74	37	34
1:00 AM	37	49	37	35
2:00 AM	42	68	38	34
3:00 AM	40	48	39	36
4:00 AM	50	74	42	38
5:00 AM	57	75	46	43
6:00 AM	63	79	54	50
7:00 AM	62	78	52	47
8:00 AM	63	76	53	44
9:00 AM	61	79	48	40
10:00 AM	60	77	48	43
11:00 AM	61	85	49	45
12:00 PM	62	80	51	45
1:00 PM	62	82	51	47
2:00 PM	62	77	53	47
3:00 PM	63	78	55	48
4:00 PM	62	76	54	49
5:00 PM	61	82	52	48
6:00 PM	60	86	49	45
7:00 PM	58	82	46	43
8:00 PM	56	73	44	42
9:00 PM	53	77	41	39
10:00 PM	47	69	39	37
11:00 PM	48	72	35	33

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	63	53	61	63	37	55
Lmax (Maximum)	86	73	79	79	48	67
L50 (Median)	55	41	50	54	35	41
L90 (Background)	49	39	45	50	33	38

Computed DNL, dB	63
% Daytime Energy	88%
% Nighttime Energy	12%

GPS Coordinates	38°31'32.04"N
	122°46'14.39"W

**Appendix C-10**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Tuesday, May 3, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	35	52	34	32
1:00 AM	34	46	33	32
2:00 AM	33	53	32	31
3:00 AM	41	69	35	32
4:00 AM	48	73	36	33
5:00 AM	57	75	43	38
6:00 AM	62	81	50	45
7:00 AM	62	82	49	43
8:00 AM	62	80	53	44
9:00 AM	61	78	47	40
10:00 AM	61	80	48	40
11:00 AM	60	77	47	40
12:00 PM	60	76	48	40
1:00 PM	61	80	49	40
2:00 PM	61	76	50	40
3:00 PM	62	78	53	43
4:00 PM	61	77	50	44
5:00 PM	59	75	48	43
6:00 PM	59	80	47	41
7:00 PM	57	76	45	41
8:00 PM	56	74	42	40
9:00 PM	53	72	40	38
10:00 PM	49	75	40	38
11:00 PM	48	71	41	38

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	62	53	60	62	33	54
Lmax (Maximum)	82	72	77	81	46	66
L50 (Median)	53	40	48	50	32	38
L90 (Background)	44	38	41	45	31	35

Computed DNL, dB	62
% Daytime Energy	87%
% Nighttime Energy	13%

GPS Coordinates	38°31'32.04"N
	122°46'14.39"W

**Appendix C-11**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Friday, April 29, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	50	75	39	36
1:00 AM	50	78	37	33
2:00 AM	48	75	35	32
3:00 AM	39	54	36	33
4:00 AM	53	77	39	36
5:00 AM	61	79	45	39
6:00 AM	66	80	51	45
7:00 AM	65	78	52	46
8:00 AM	66	79	55	44
9:00 AM	64	81	50	42
10:00 AM	64	78	52	42
11:00 AM	64	77	52	43
12:00 PM	64	77	52	46
1:00 PM	65	92	52	45
2:00 PM	65	77	54	47
3:00 PM	65	77	56	48
4:00 PM	64	77	54	49
5:00 PM	66	95	51	47
6:00 PM	63	79	51	48
7:00 PM	61	77	51	48
8:00 PM	60	77	50	47
9:00 PM	58	78	48	45
10:00 PM	58	78	46	43
11:00 PM	56	77	43	39

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	66	58	64	66	39	58
Lmax (Maximum)	95	77	80	80	54	75
L50 (Median)	56	48	52	51	35	41
L90 (Background)	49	42	46	45	32	37

Computed DNL, dB	66
% Daytime Energy	86%
% Nighttime Energy	14%

GPS Coordinates	38°31'32.23"N
	122°46'37.89"W

**Appendix C-12**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Saturday, April 30, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	50	74	40	37
1:00 AM	48	75	38	35
2:00 AM	50	76	38	35
3:00 AM	46	70	39	34
4:00 AM	51	77	43	34
5:00 AM	58	80	48	44
6:00 AM	61	77	51	48
7:00 AM	63	79	50	46
8:00 AM	63	78	49	43
9:00 AM	63	78	53	48
10:00 AM	63	78	53	48
11:00 AM	64	87	52	48
12:00 PM	63	83	52	46
1:00 PM	63	77	53	48
2:00 PM	64	77	55	51
3:00 PM	65	88	56	53
4:00 PM	65	85	55	49
5:00 PM	63	79	51	47
6:00 PM	62	78	51	47
7:00 PM	61	77	51	49
8:00 PM	60	79	50	48
9:00 PM	59	78	50	47
10:00 PM	58	75	47	44
11:00 PM	57	79	43	40

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	65	59	63	61	46	56
Lmax (Maximum)	88	77	80	80	70	76
L50 (Median)	56	49	52	51	38	43
L90 (Background)	53	43	48	48	34	39

Computed DNL, dB	64
% Daytime Energy	90%
% Nighttime Energy	10%

GPS Coordinates	38°31'32.23"N
	122°46'37.89"W

**Appendix C-13**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Sunday, May 1, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	50	76	41	38
1:00 AM	52	76	40	37
2:00 AM	45	74	38	34
3:00 AM	41	70	35	31
4:00 AM	48	75	35	32
5:00 AM	58	81	40	33
6:00 AM	58	78	43	39
7:00 AM	60	79	42	39
8:00 AM	63	79	46	41
9:00 AM	63	77	49	41
10:00 AM	69	100	51	45
11:00 AM	64	77	51	44
12:00 PM	63	87	49	44
1:00 PM	63	76	49	42
2:00 PM	62	78	51	47
3:00 PM	62	79	52	49
4:00 PM	63	76	52	49
5:00 PM	61	75	50	47
6:00 PM	62	78	50	47
7:00 PM	60	78	50	47
8:00 PM	60	77	49	45
9:00 PM	57	78	48	44
10:00 PM	55	78	45	42
11:00 PM	52	75	41	38

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	69	57	63	58	41	54
Lmax (Maximum)	100	75	80	81	70	76
L50 (Median)	52	42	49	45	35	40
L90 (Background)	49	39	45	42	31	36

Computed DNL, dB	63
% Daytime Energy	94%
% Nighttime Energy	6%

GPS Coordinates	38°31'32.23"N
	122°46'37.89"W



**Appendix C-14**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Monday, May 2, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	51	78	39	36
1:00 AM	42	54	39	35
2:00 AM	45	72	40	35
3:00 AM	42	53	40	37
4:00 AM	53	77	44	40
5:00 AM	60	78	50	45
6:00 AM	66	82	55	52
7:00 AM	65	83	54	50
8:00 AM	66	79	56	49
9:00 AM	64	82	50	45
10:00 AM	64	82	52	47
11:00 AM	63	78	53	49
12:00 PM	65	82	55	50
1:00 PM	64	80	56	51
2:00 PM	65	79	56	51
3:00 PM	67	93	59	53
4:00 PM	65	82	57	53
5:00 PM	64	80	55	52
6:00 PM	62	79	53	50
7:00 PM	61	79	51	48
8:00 PM	59	75	50	47
9:00 PM	56	75	47	44
10:00 PM	51	75	43	40
11:00 PM	52	79	39	36

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	67	56	64	66	42	58
Lmax (Maximum)	93	75	81	82	53	72
L50 (Median)	59	47	54	55	39	43
L90 (Background)	53	44	49	52	35	39

Computed DNL, dB	66
% Daytime Energy	87%
% Nighttime Energy	13%

GPS Coordinates	38°31'32.23"N
	122°46'37.89"W

**Appendix C-15**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Tuesday, May 3, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	38	63	36	33
1:00 AM	44	73	33	31
2:00 AM	34	45	32	29
3:00 AM	40	66	36	32
4:00 AM	51	76	37	33
5:00 AM	60	80	44	40
6:00 AM	65	79	51	46
7:00 AM	65	83	52	46
8:00 AM	65	78	58	46
9:00 AM	64	81	52	44
10:00 AM	64	82	56	44
11:00 AM	63	76	51	44
12:00 PM	63	79	52	45
1:00 PM	64	77	51	42
2:00 PM	64	76	53	43
3:00 PM	64	77	55	48
4:00 PM	64	77	53	49
5:00 PM	63	78	53	49
6:00 PM	62	80	51	47
7:00 PM	60	77	50	47
8:00 PM	59	77	49	46
9:00 PM	57	77	47	44
10:00 PM	55	82	44	41
11:00 PM	52	75	42	39

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	65	57	63	65	34	57
Lmax (Maximum)	83	76	78	82	45	71
L50 (Median)	58	47	52	51	32	40
L90 (Background)	49	42	46	46	29	36

Computed DNL, dB	65
% Daytime Energy	87%
% Nighttime Energy	13%

GPS Coordinates	38°31'32.23"N
	122°46'37.89"W

**Appendix C-16**  
**Long-Term Ambient Noise Monitoring Results - Site 4**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Friday, April 29, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	55	76	41	37
1:00 AM	48	67	40	35
2:00 AM	46	66	38	34
3:00 AM	51	71	39	36
4:00 AM	53	74	42	39
5:00 AM	58	77	48	42
6:00 AM	62	75	56	49
7:00 AM	64	77	61	51
8:00 AM	65	80	62	51
9:00 AM	63	76	61	48
10:00 AM	63	77	61	50
11:00 AM	63	75	61	50
12:00 PM	64	77	62	50
1:00 PM	64	76	62	51
2:00 PM	64	78	62	52
3:00 PM	64	75	63	52
4:00 PM	65	80	64	53
5:00 PM	64	75	63	52
6:00 PM	64	80	61	50
7:00 PM	63	80	59	50
8:00 PM	61	84	57	48
9:00 PM	61	76	55	46
10:00 PM	59	78	51	45
11:00 PM	57	76	46	41

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	65	61	63	62	46	56
Lmax (Maximum)	84	75	78	78	66	73
L50 (Median)	64	55	61	56	38	45
L90 (Background)	53	46	50	49	34	40

Computed DNL, dB	65
% Daytime Energy	89%
% Nighttime Energy	11%

GPS Coordinates	38°31'20.73"N
	122°46'34.08"W

**Appendix C-17**  
**Long-Term Ambient Noise Monitoring Results - Site 4**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Saturday, April 30, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	53	73	42	39
1:00 AM	52	76	40	36
2:00 AM	52	73	40	37
3:00 AM	50	68	43	39
4:00 AM	50	69	43	38
5:00 AM	55	71	47	43
6:00 AM	58	71	52	48
7:00 AM	61	75	55	48
8:00 AM	64	87	59	47
9:00 AM	63	75	61	51
10:00 AM	64	85	61	51
11:00 AM	64	80	62	52
12:00 PM	64	79	62	52
1:00 PM	64	79	62	52
2:00 PM	64	78	62	53
3:00 PM	65	86	62	53
4:00 PM	64	80	61	52
5:00 PM	63	79	60	49
6:00 PM	63	80	60	51
7:00 PM	62	76	58	50
8:00 PM	62	86	57	49
9:00 PM	59	76	53	47
10:00 PM	57	72	49	44
11:00 PM	55	71	46	40

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	65	59	63	58	50	54
Lmax (Maximum)	87	75	80	76	68	71
L50 (Median)	62	53	60	52	40	45
L90 (Background)	53	47	50	48	36	41

Computed DNL, dB	64
% Daytime Energy	93%
% Nighttime Energy	7%

GPS Coordinates	38°31'20.73"N
	122°46'34.08"W

**Appendix C-18**  
**Long-Term Ambient Noise Monitoring Results - Site 4**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Sunday, May 1, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	55	75	42	38
1:00 AM	51	70	41	38
2:00 AM	51	74	38	34
3:00 AM	47	70	39	34
4:00 AM	50	72	39	34
5:00 AM	51	68	41	35
6:00 AM	57	77	48	41
7:00 AM	59	77	49	41
8:00 AM	61	77	54	43
9:00 AM	62	74	58	46
10:00 AM	63	76	60	46
11:00 AM	63	77	61	48
12:00 PM	63	80	61	49
1:00 PM	62	75	60	48
2:00 PM	62	77	60	48
3:00 PM	62	76	60	50
4:00 PM	63	75	60	50
5:00 PM	62	84	59	48
6:00 PM	62	79	58	48
7:00 PM	61	77	58	49
8:00 PM	61	76	55	46
9:00 PM	59	73	51	45
10:00 PM	58	76	47	43
11:00 PM	53	76	42	39

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	63	59	62	58	47	54
Lmax (Maximum)	84	73	77	77	68	73
L50 (Median)	61	49	57	48	38	42
L90 (Background)	50	41	47	43	34	37

Computed DNL, dB	63
% Daytime Energy	91%
% Nighttime Energy	9%

GPS Coordinates	38°31'20.73"N
	122°46'34.08"W

**Appendix C-19**  
**Long-Term Ambient Noise Monitoring Results - Site 4**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Monday, May 2, 2022**

Hour	Leq	Lmax	L50	L90
12:00 AM	49	68	40	37
1:00 AM	52	76	39	35
2:00 AM	49	71	40	35
3:00 AM	50	71	41	39
4:00 AM	53	72	45	41
5:00 AM	59	77	51	45
6:00 AM	63	76	58	51
7:00 AM	65	76	62	51
8:00 AM	65	76	63	50
9:00 AM	63	75	60	47
10:00 AM	63	74	61	51
11:00 AM	63	74	61	51
12:00 PM	63	82	60	51
1:00 PM	63	78	61	52
2:00 PM	64	75	62	54
3:00 PM	65	79	63	56
4:00 PM	65	77	64	57
5:00 PM	65	82	63	55
6:00 PM	63	75	60	51
7:00 PM	65	92	58	49
8:00 PM	61	77	57	48
9:00 PM	59	80	51	44
10:00 PM	56	74	46	41
11:00 PM	52	69	42	37

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	65	59	64	63	49	57
Lmax (Maximum)	92	74	78	77	68	73
L50 (Median)	64	51	60	58	39	45
L90 (Background)	57	44	51	51	35	40

Computed DNL, dB	65
% Daytime Energy	89%
% Nighttime Energy	11%

GPS Coordinates	38°31'20.73"N
	122°46'34.08"W



**Appendix C-20**  
**Long-Term Ambient Noise Monitoring Results - Site 4**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Tuesday, May 3, 2022**

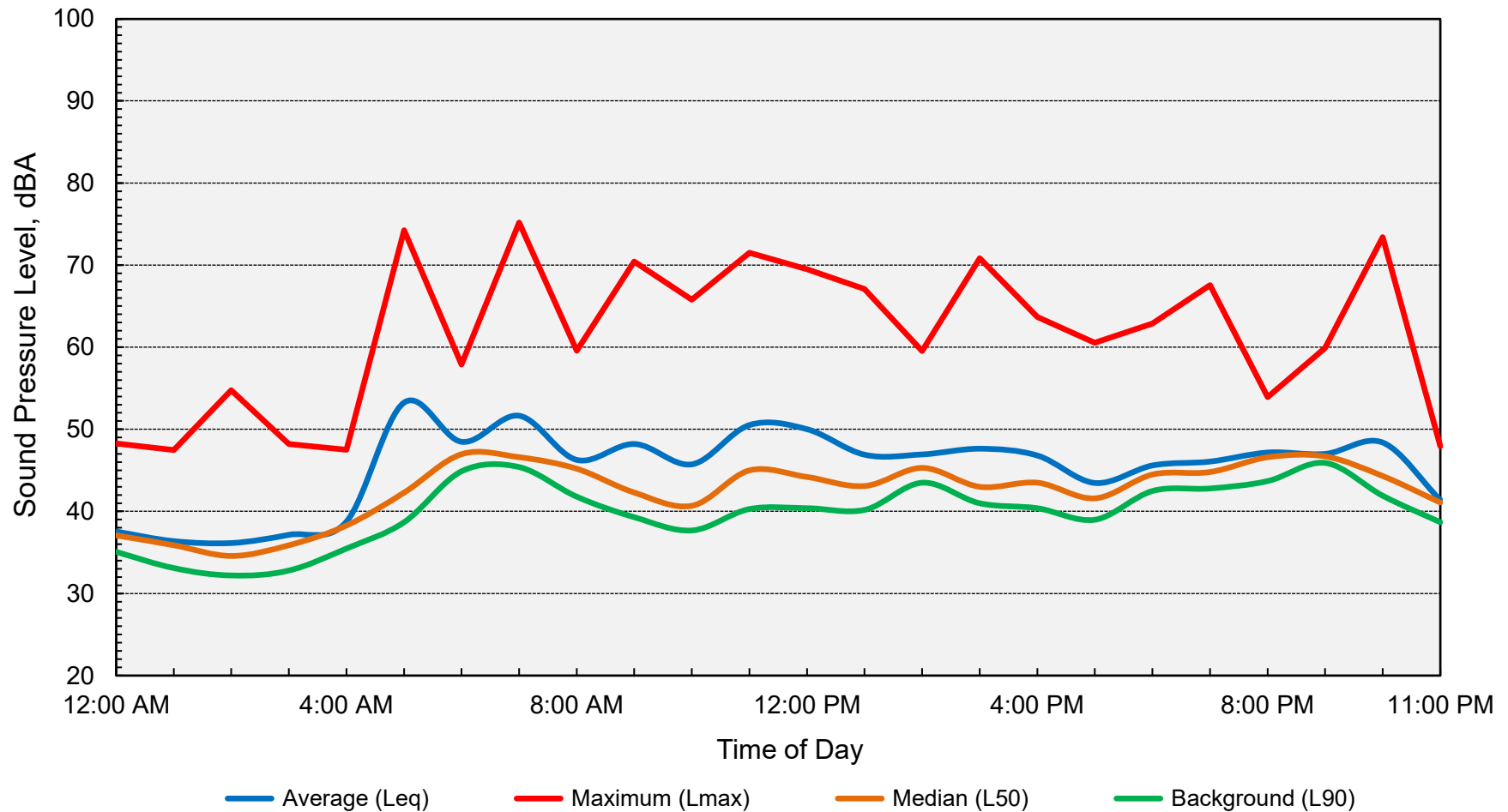
Hour	Leq	Lmax	L50	L90
12:00 AM	49	69	38	35
1:00 AM	42	63	37	34
2:00 AM	46	68	35	32
3:00 AM	49	71	38	35
4:00 AM	49	70	40	35
5:00 AM	58	74	49	43
6:00 AM	62	75	57	48
7:00 AM	64	75	61	50
8:00 AM	64	77	63	51
9:00 AM	63	82	60	49
10:00 AM	62	74	59	48
11:00 AM	62	75	60	48
12:00 PM	63	81	61	50
1:00 PM	63	78	61	49
2:00 PM	63	77	62	50
3:00 PM	65	89	63	53
4:00 PM	65	80	64	55
5:00 PM	65	87	63	53
6:00 PM	65	93	60	49
7:00 PM	62	75	59	48
8:00 PM	63	91	56	47
9:00 PM	59	77	51	44
10:00 PM	58	76	47	41
11:00 PM	55	77	41	38

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	65	59	63	62	42	56
Lmax (Maximum)	93	74	81	77	63	71
L50 (Median)	64	51	60	57	35	42
L90 (Background)	55	44	49	48	32	38

Computed DNL, dB	65
% Daytime Energy	90%
% Nighttime Energy	10%

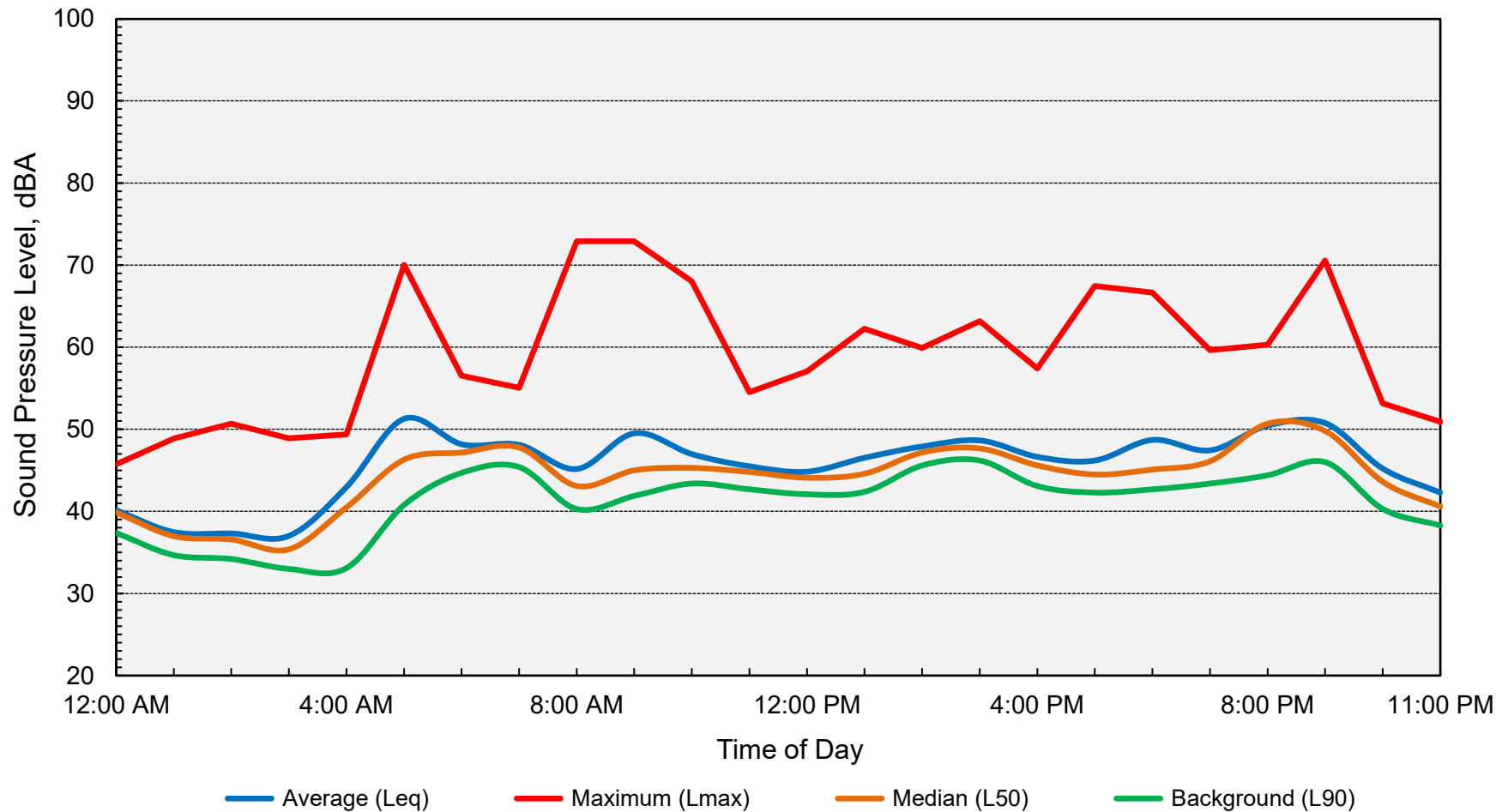
GPS Coordinates	38°31'20.73"N
	122°46'34.08"W

**Appendix D-1**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Friday, April 29, 2022**



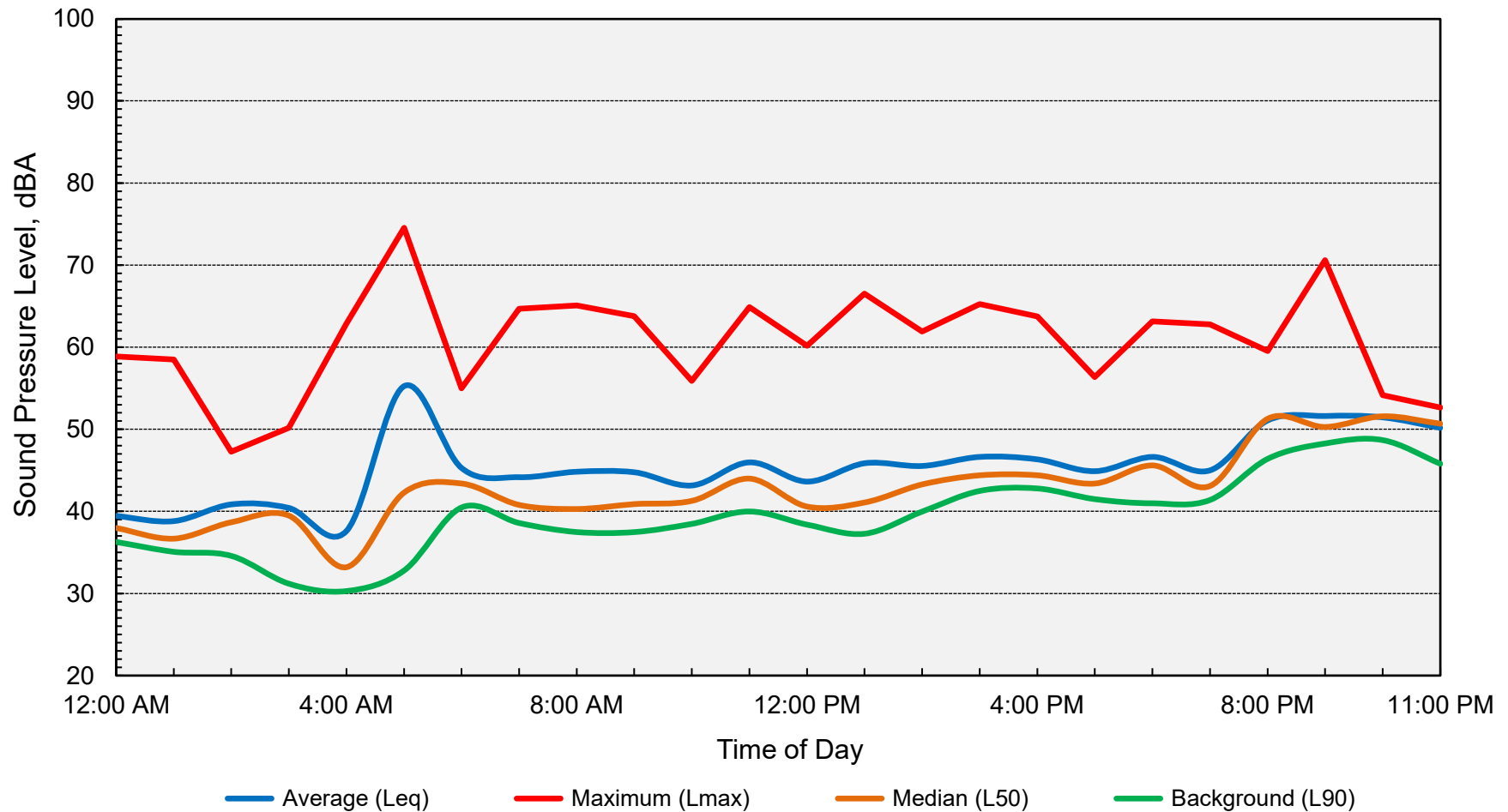
**Computed DNL = 53 dB**

**Appendix D-2**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Saturday, April 30, 2022**



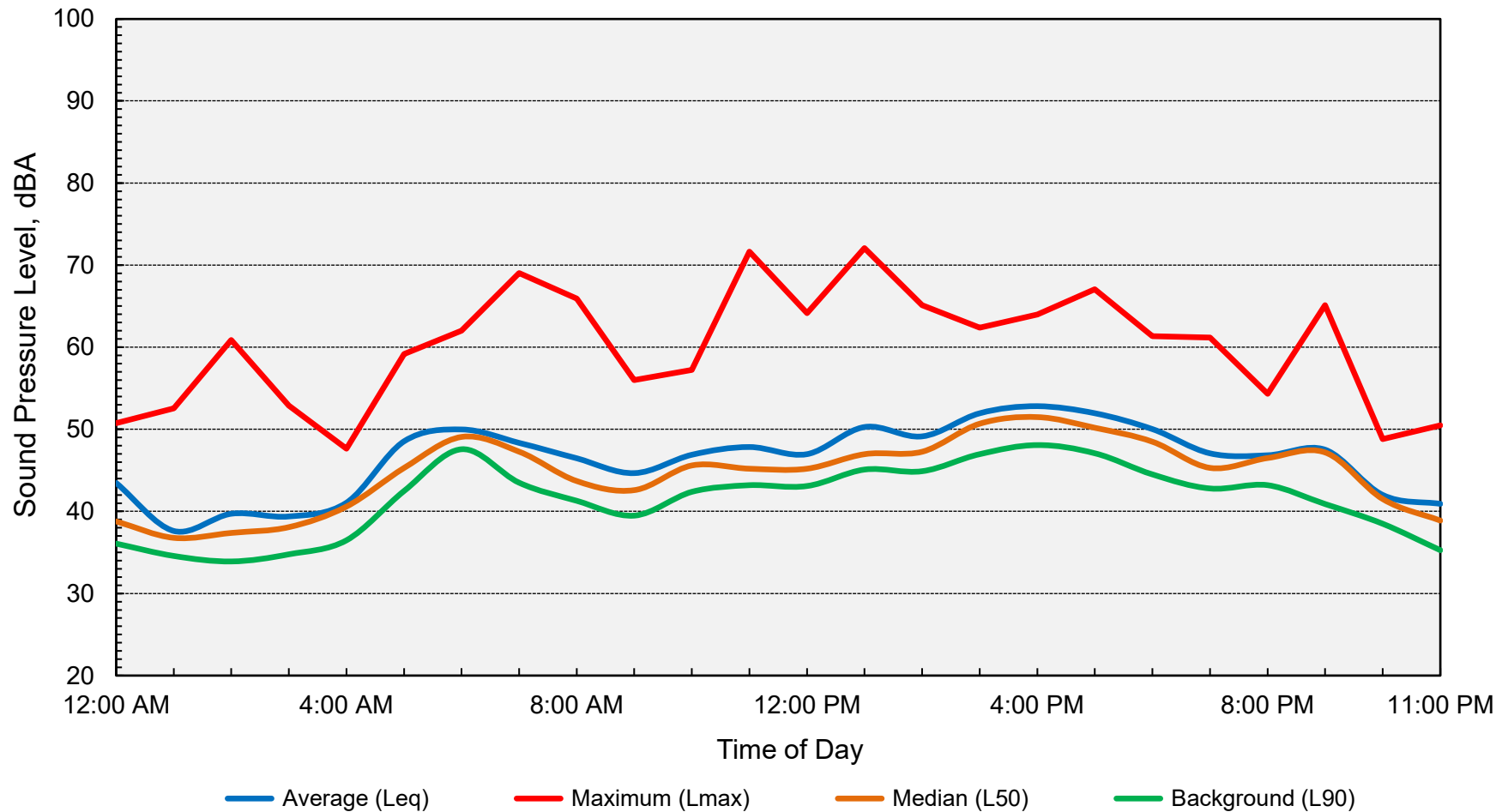
**Computed DNL = 52 dB**

**Appendix D-3**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Sunday, May 1, 2022**



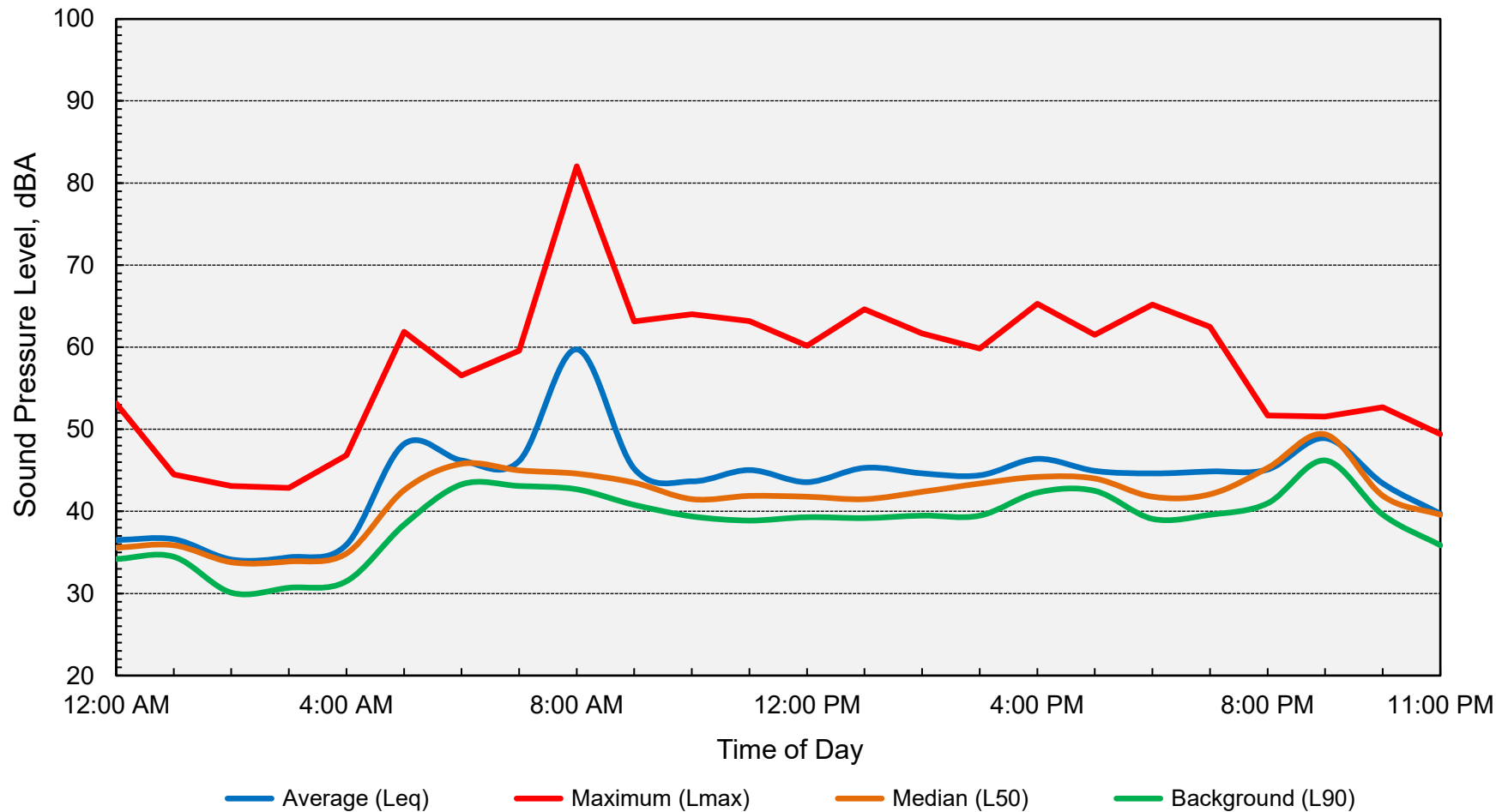
**Computed DNL = 55 dB**

**Appendix D-4**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Monday, May 2, 2022**



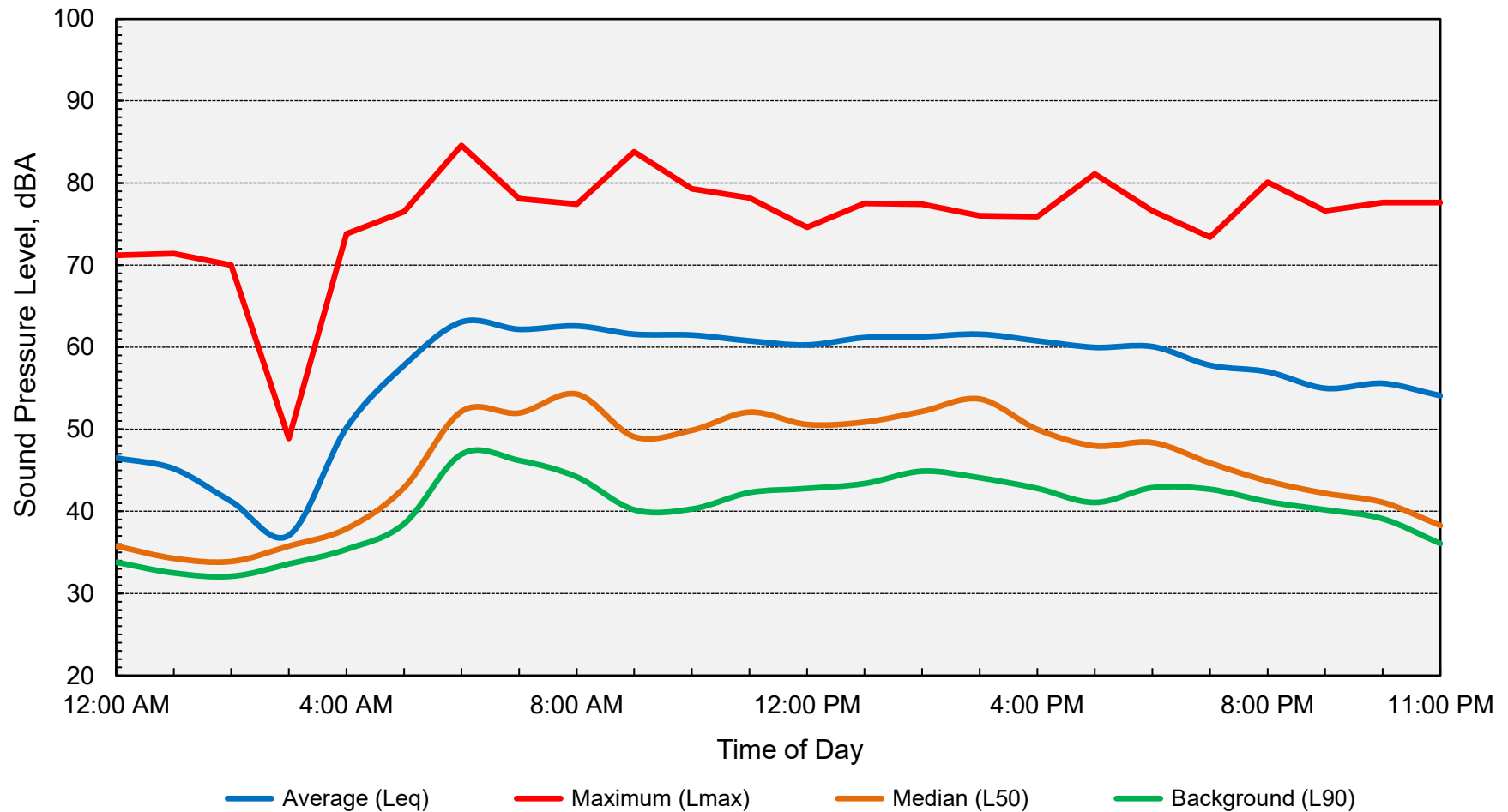
**Computed DNL = 52 dB**

**Appendix D-5**  
**Long-Term Ambient Noise Monitoring Results - Site 1**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Tuesday, May 3, 2022**



**Computed DNL = 51 dB**

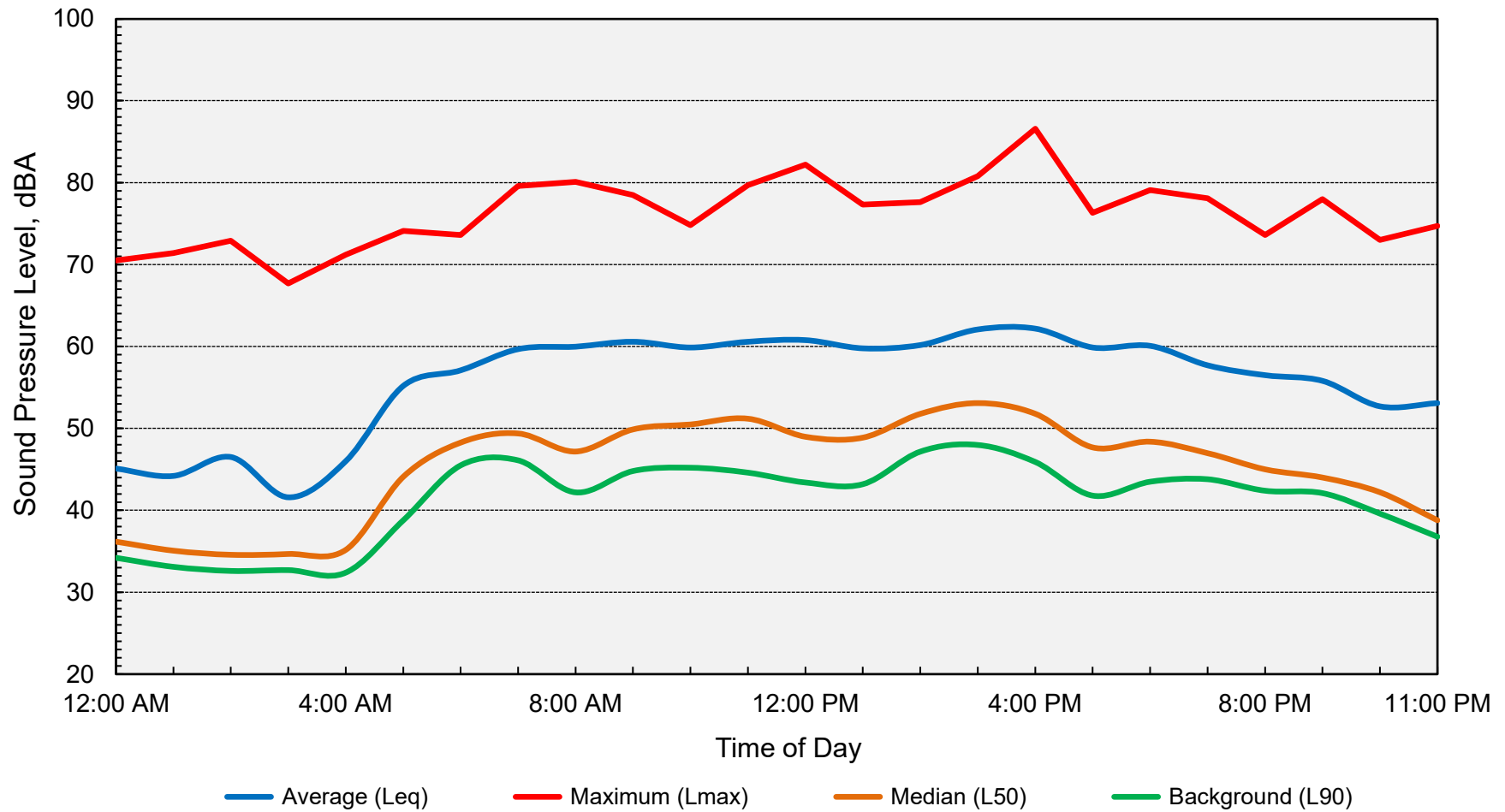
**Appendix D-6**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Friday, April 29, 2022**



**Computed DNL = 63 dB**

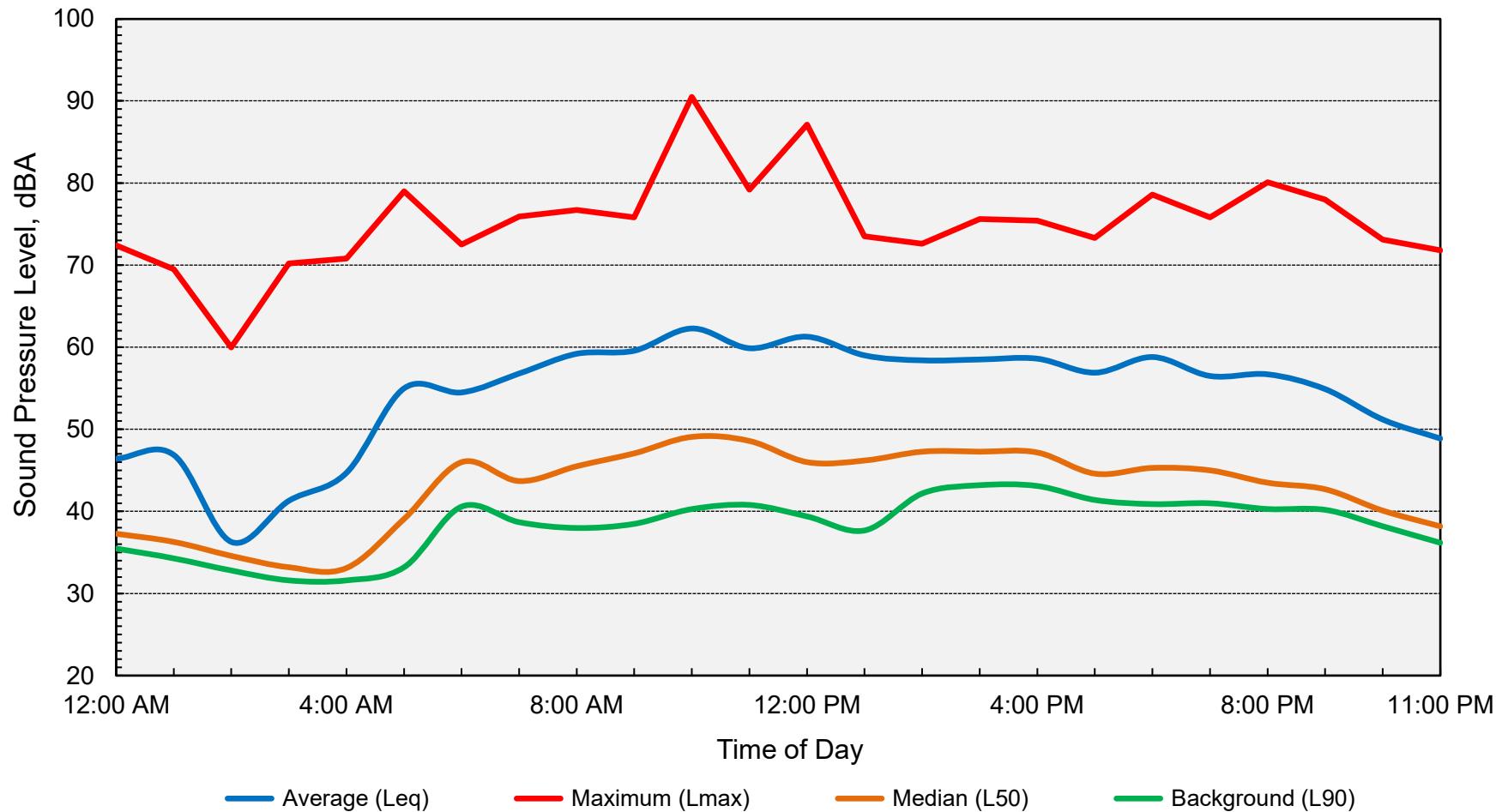


**Appendix D-7**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Saturday, April 30, 2022**



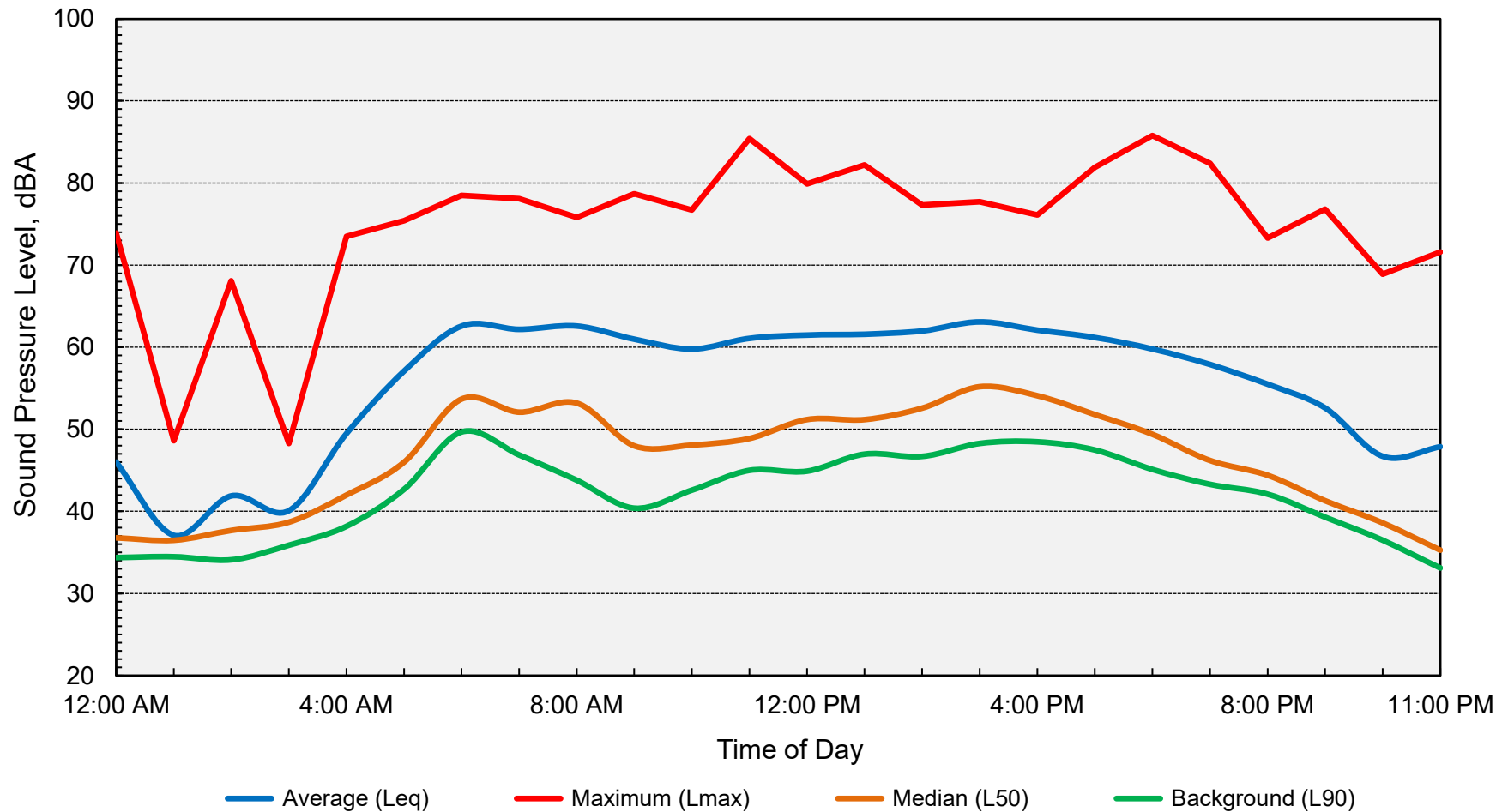
**Computed DNL = 61 dB**

**Appendix D-8**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Sunday, May 1, 2022**



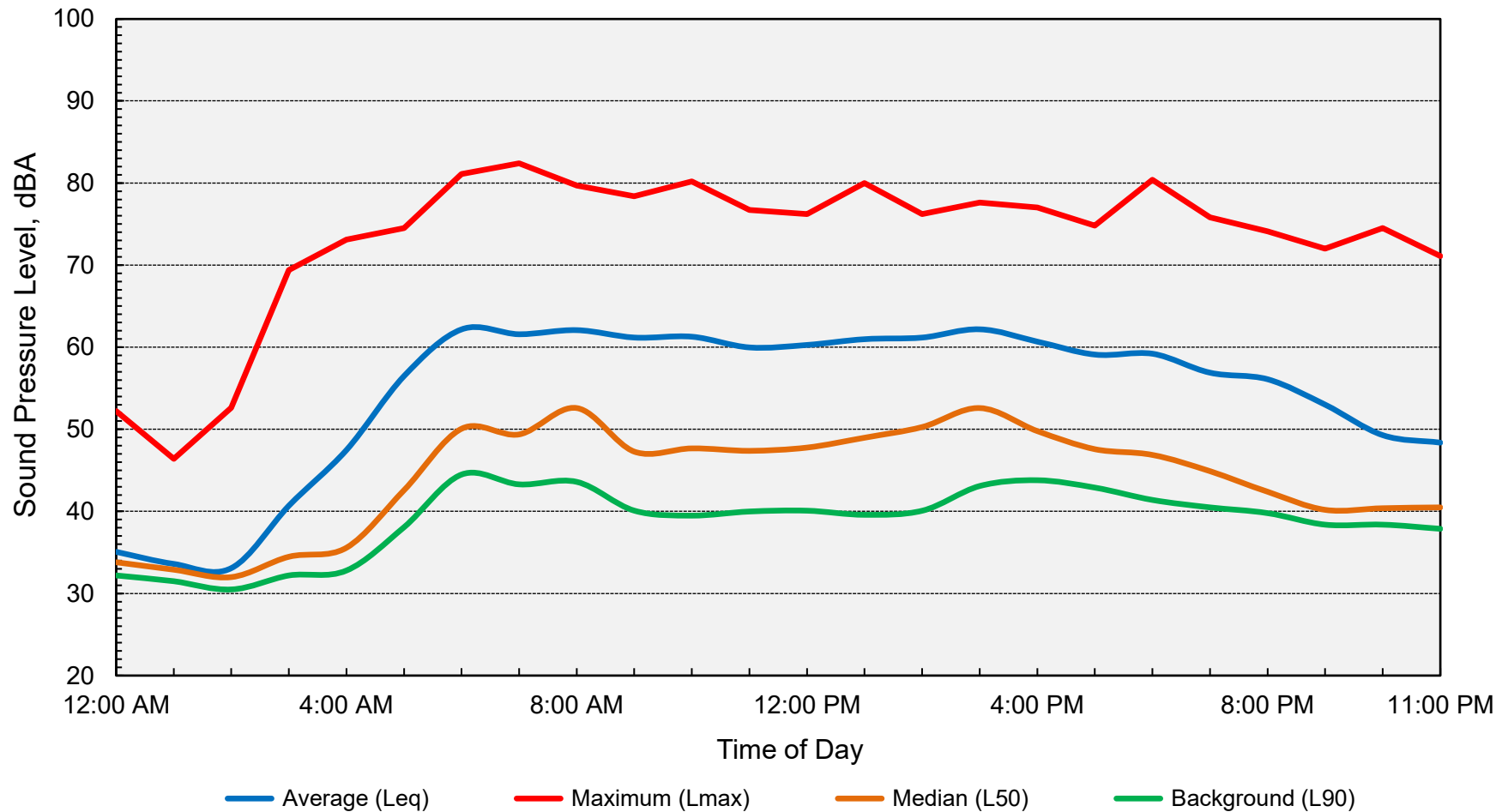
**Computed DNL = 59 dB**

**Appendix D-9**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Monday, May 2, 2022**



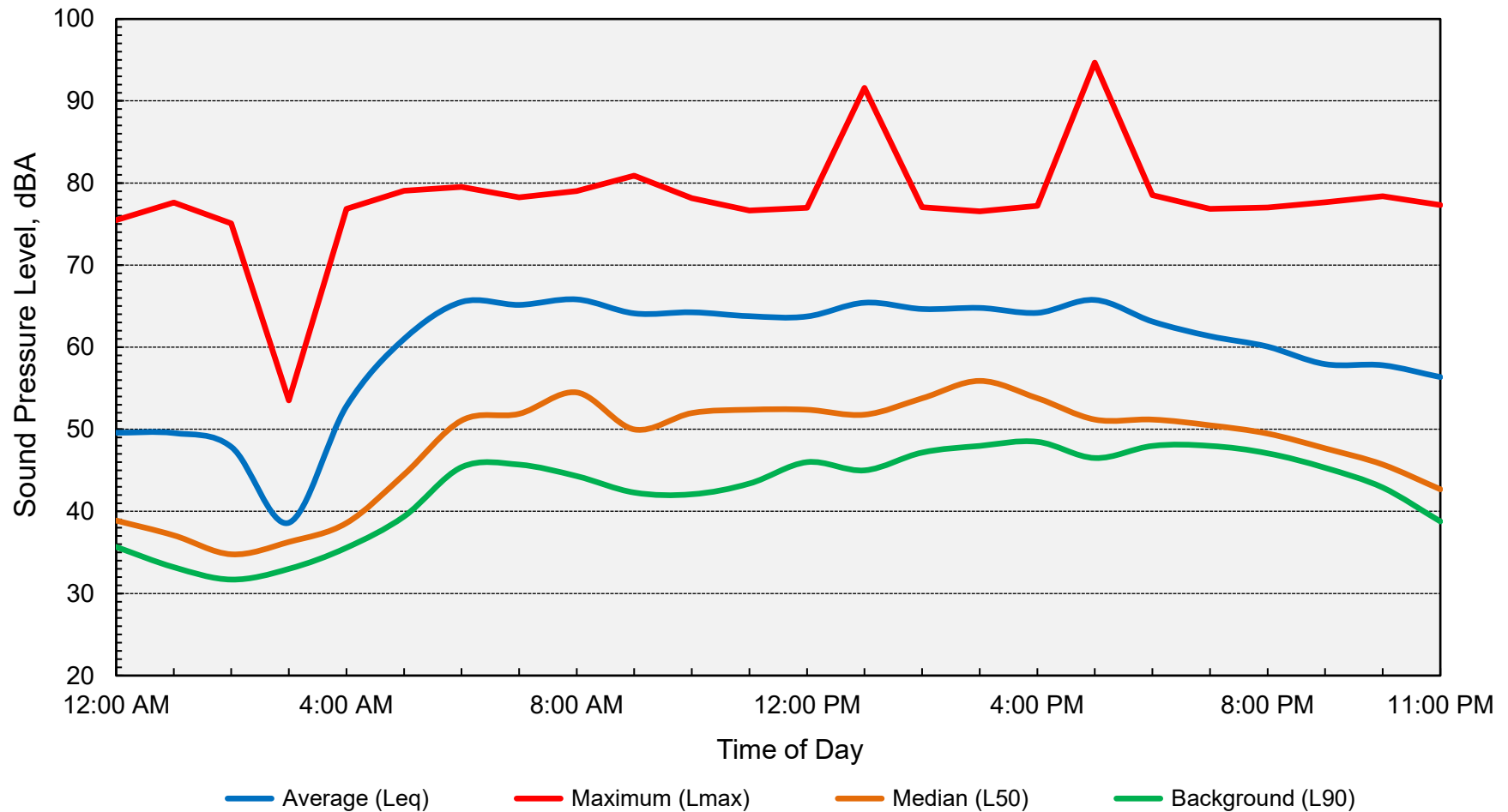
**Computed DNL = 63 dB**

**Appendix D-10**  
**Long-Term Ambient Noise Monitoring Results - Site 2**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Tuesday, May 3, 2022**



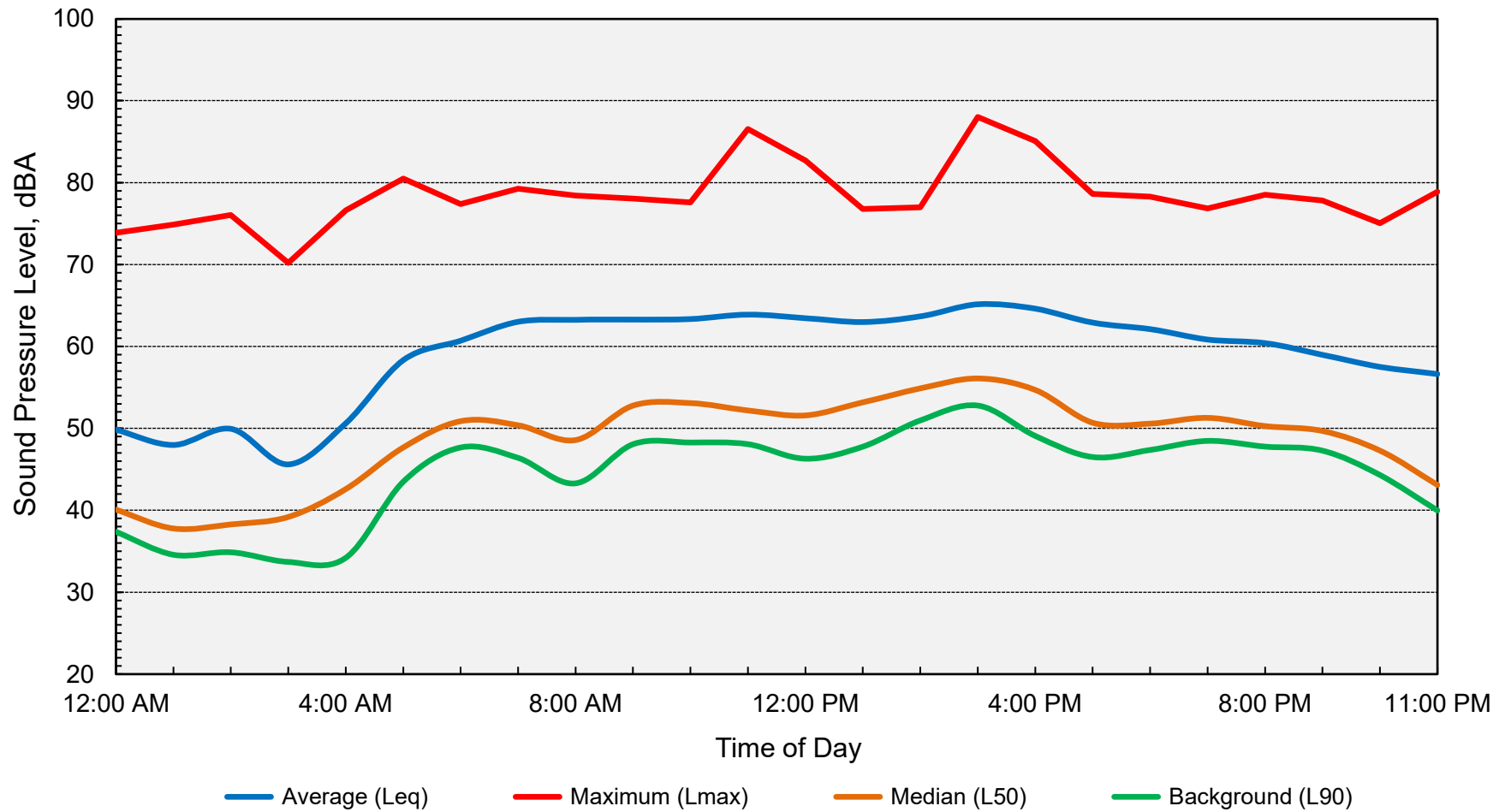
**Computed DNL = 62 dB**

**Appendix D-11**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Friday, April 29, 2022**



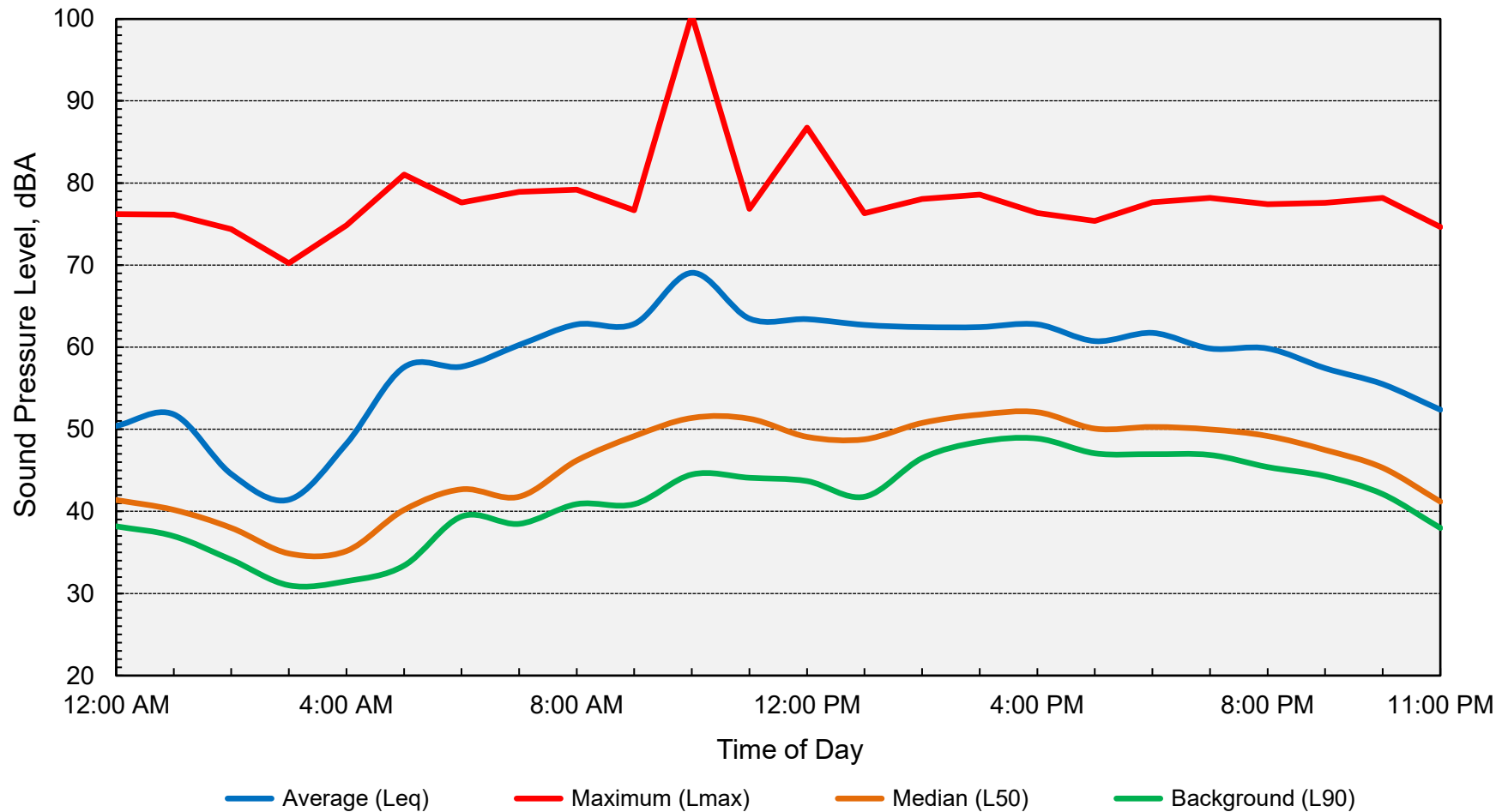
**Computed DNL = 66 dB**

**Appendix D-12**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Saturday, April 30, 2022**



**Computed DNL = 64 dB**

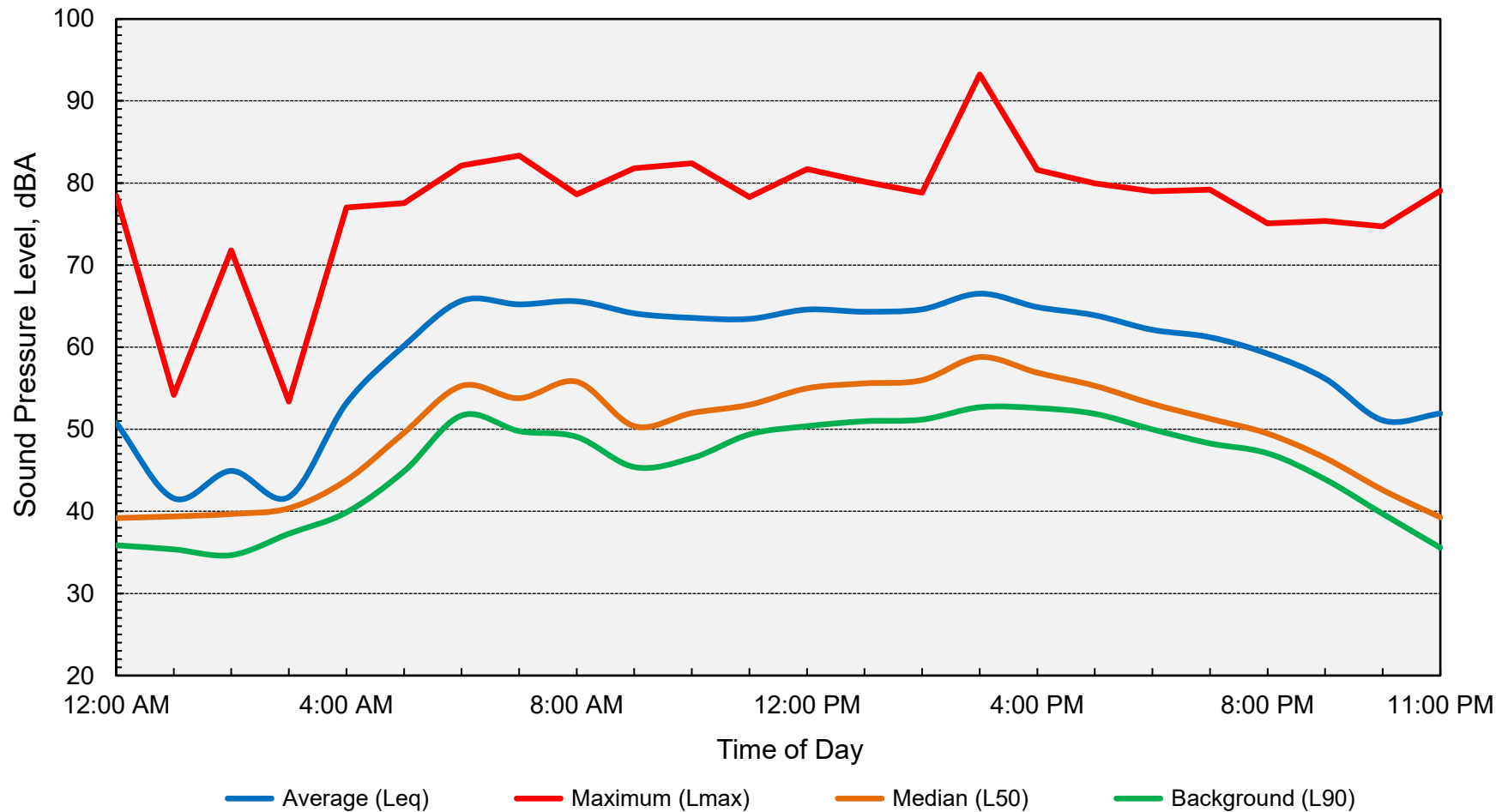
**Appendix D-13**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Sunday, May 1, 2022**



**Computed DNL = 63 dB**

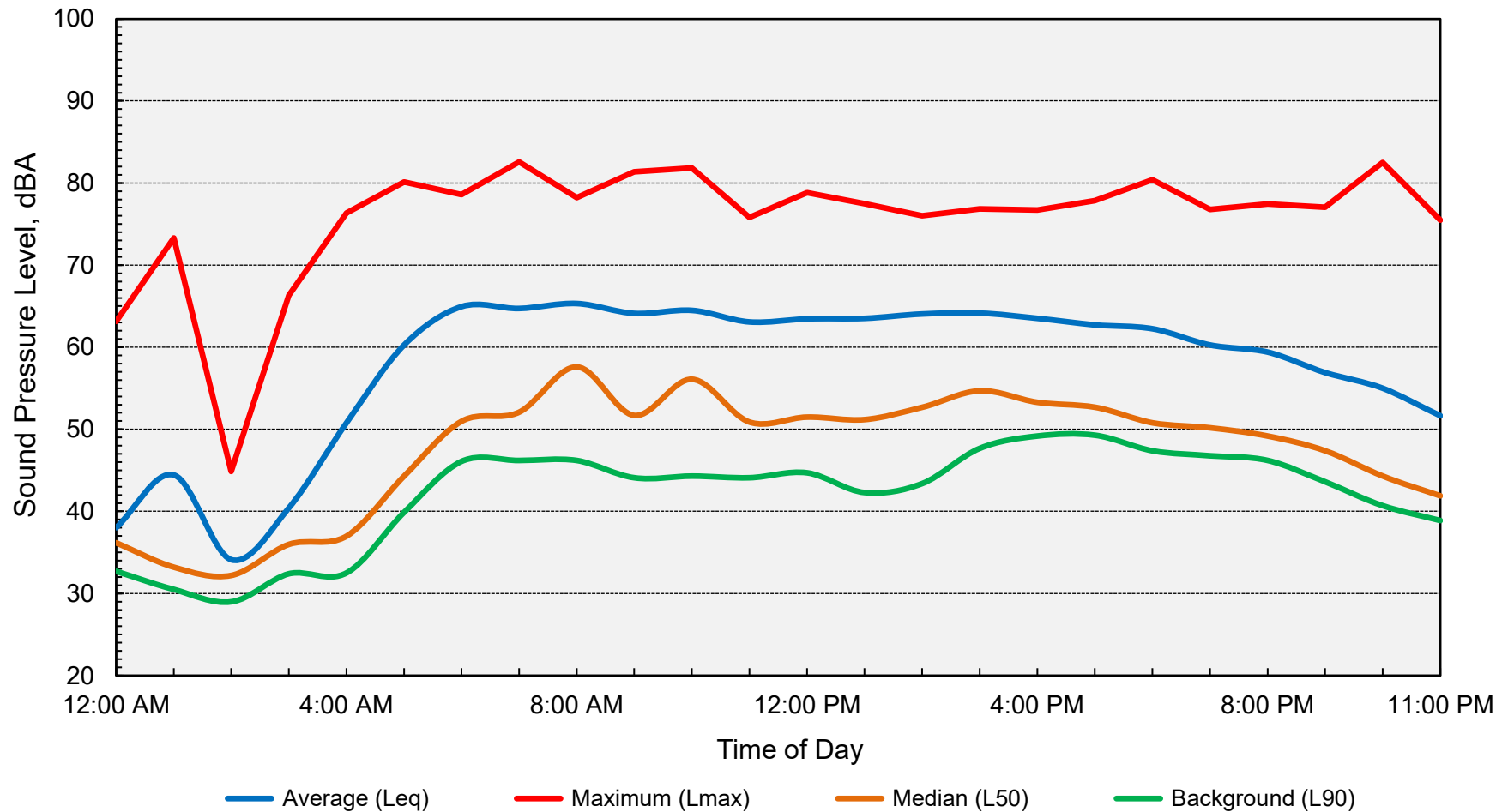


**Appendix D-14**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Monday, May 2, 2022**



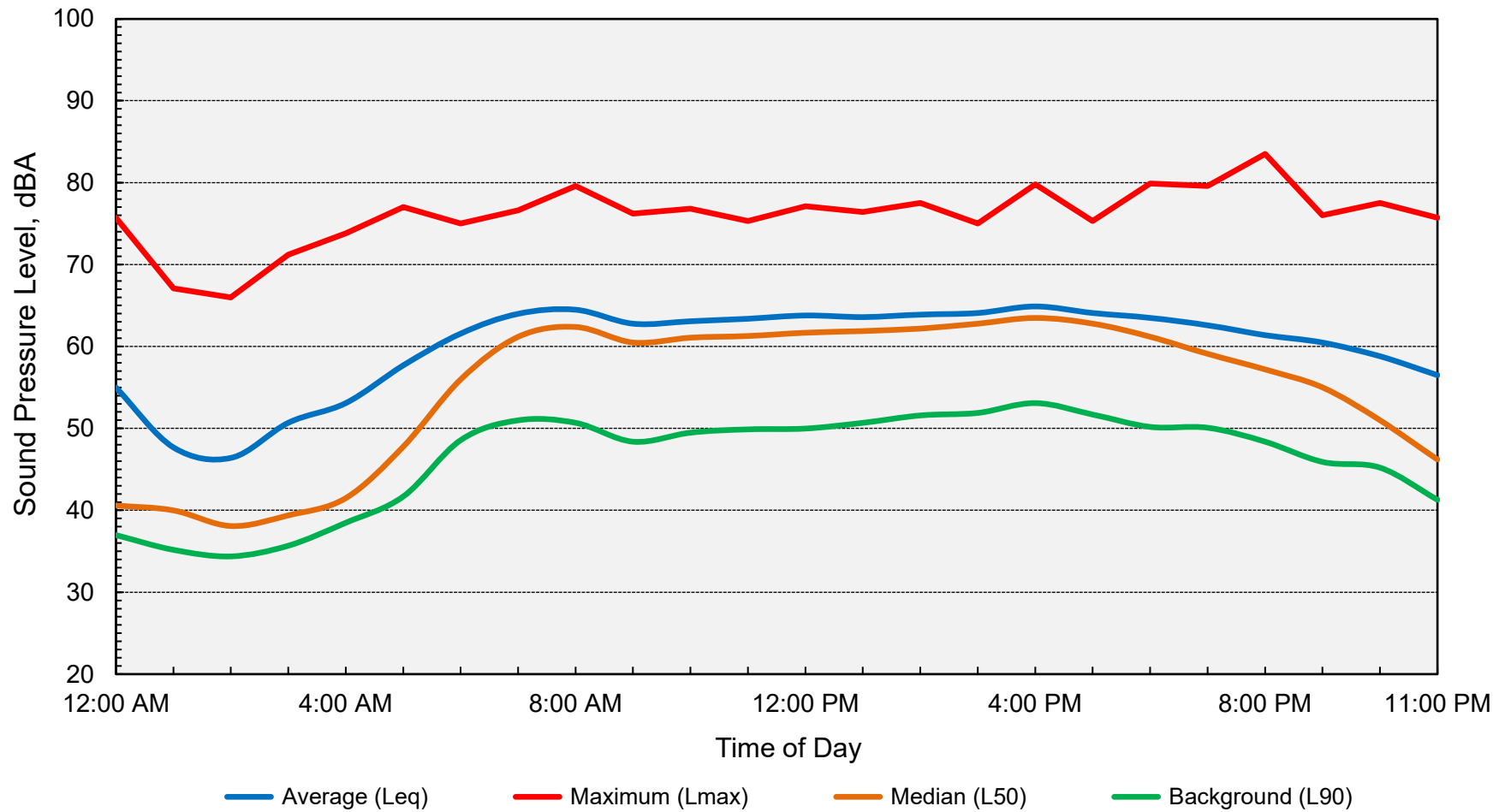
**Computed DNL = 66 dB**

**Appendix D-15**  
**Long-Term Ambient Noise Monitoring Results - Site 3**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Tuesday, May 3, 2022**



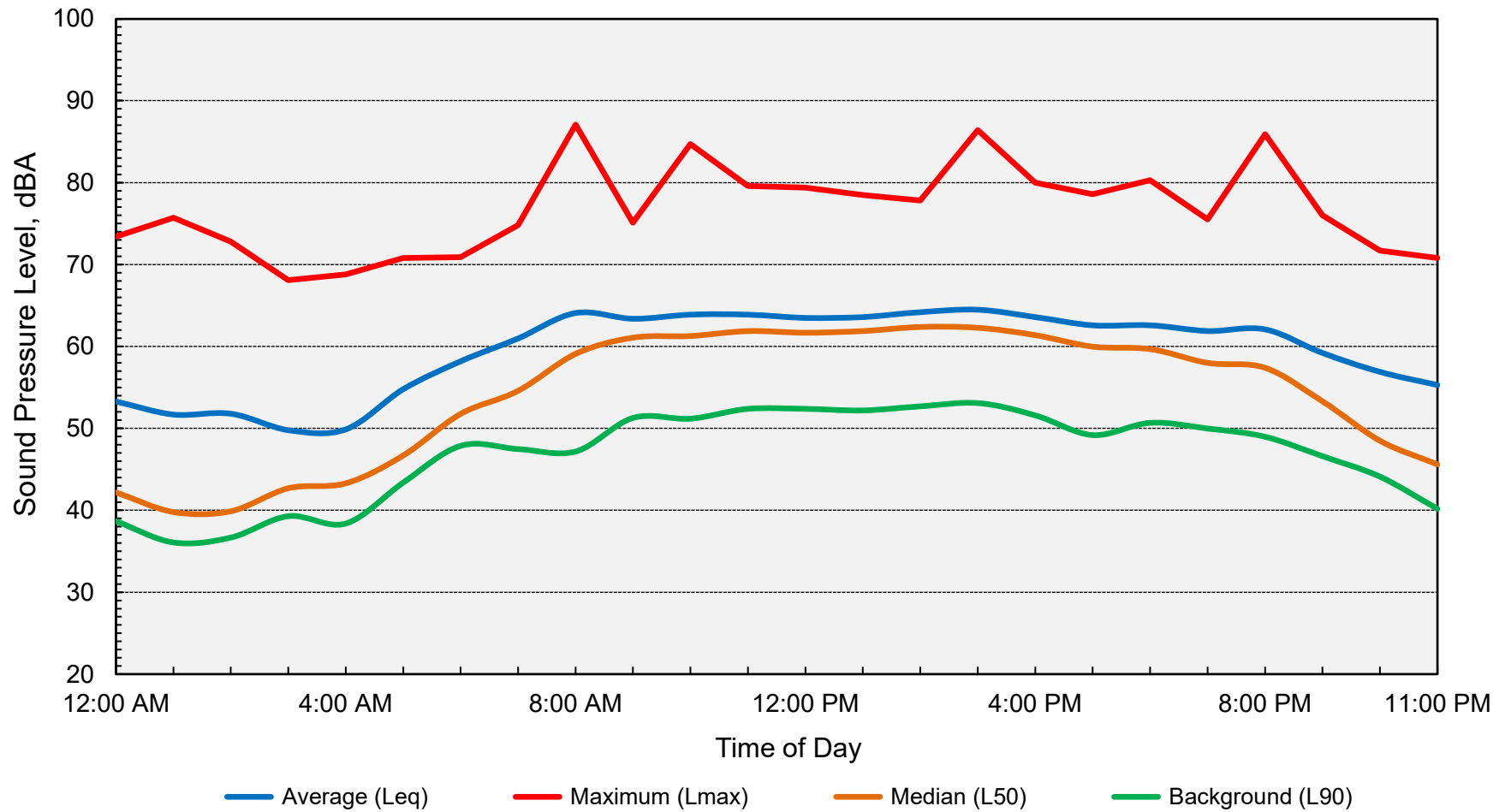
**Computed DNL = 65 dB**

**Appendix D-16**  
**Long-Term Ambient Noise Monitoring Results - Site 4**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Friday, April 29, 2022**



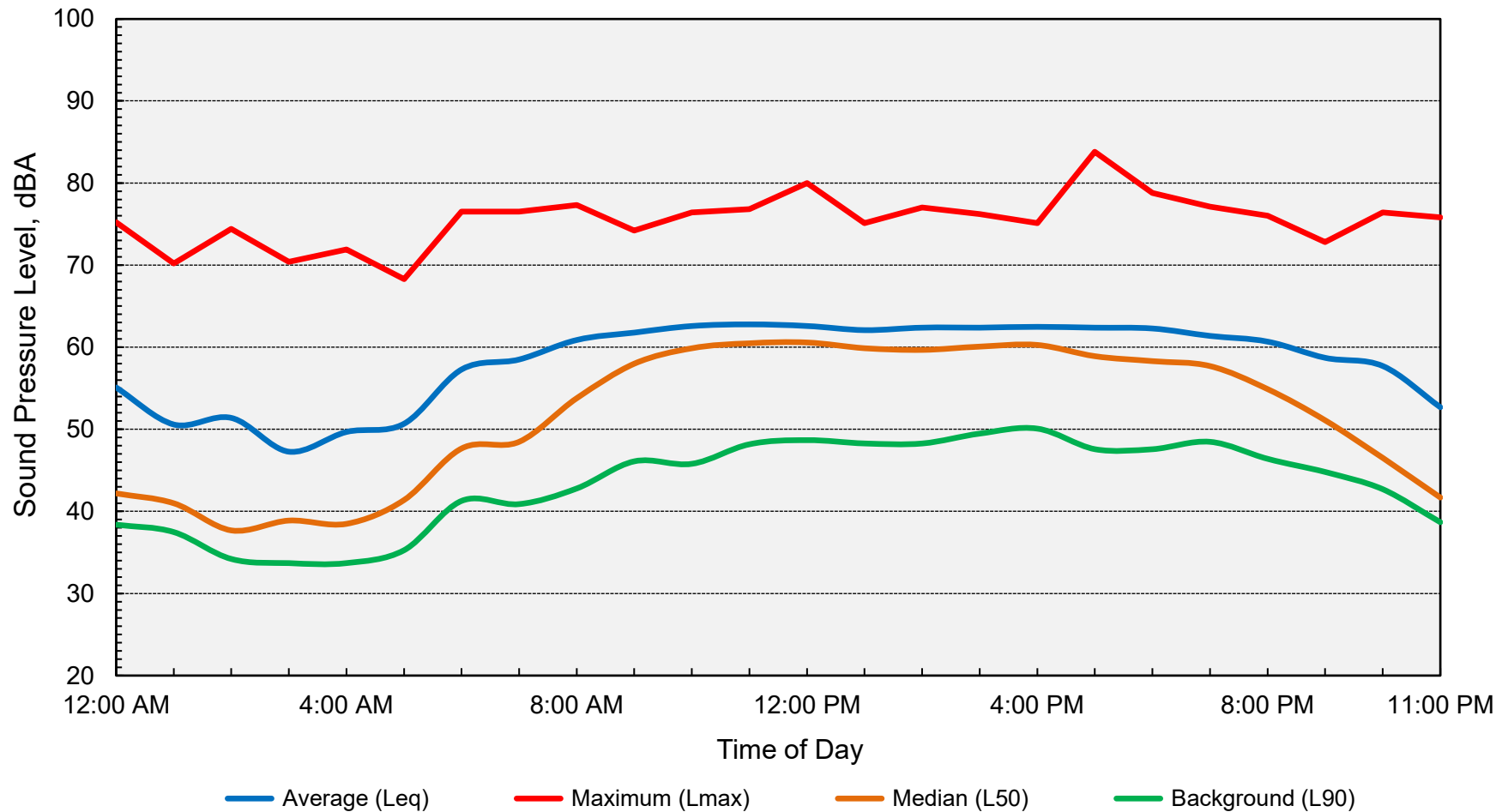
**Computed DNL = 65 dB**

Appendix D-17  
Long-Term Ambient Noise Monitoring Results - Site 4  
Shiloh Resort & Casino - Sonoma County, California  
Saturday, April 30, 2022



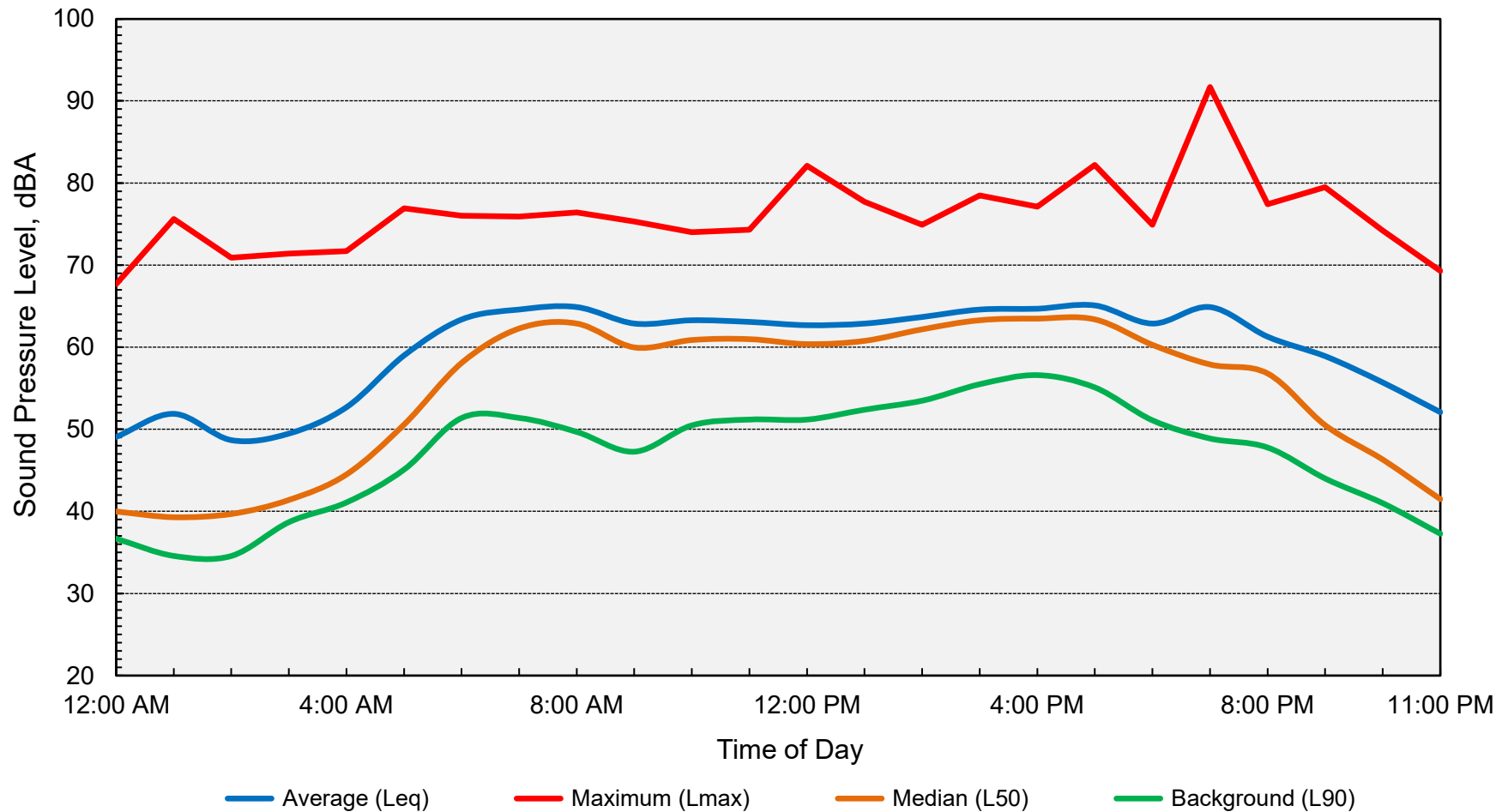
Computed DNL = 64 dB

**Appendix D-18**  
**Long-Term Ambient Noise Monitoring Results - Site 4**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Sunday, May 1, 2022**



**Computed DNL = 63 dB**

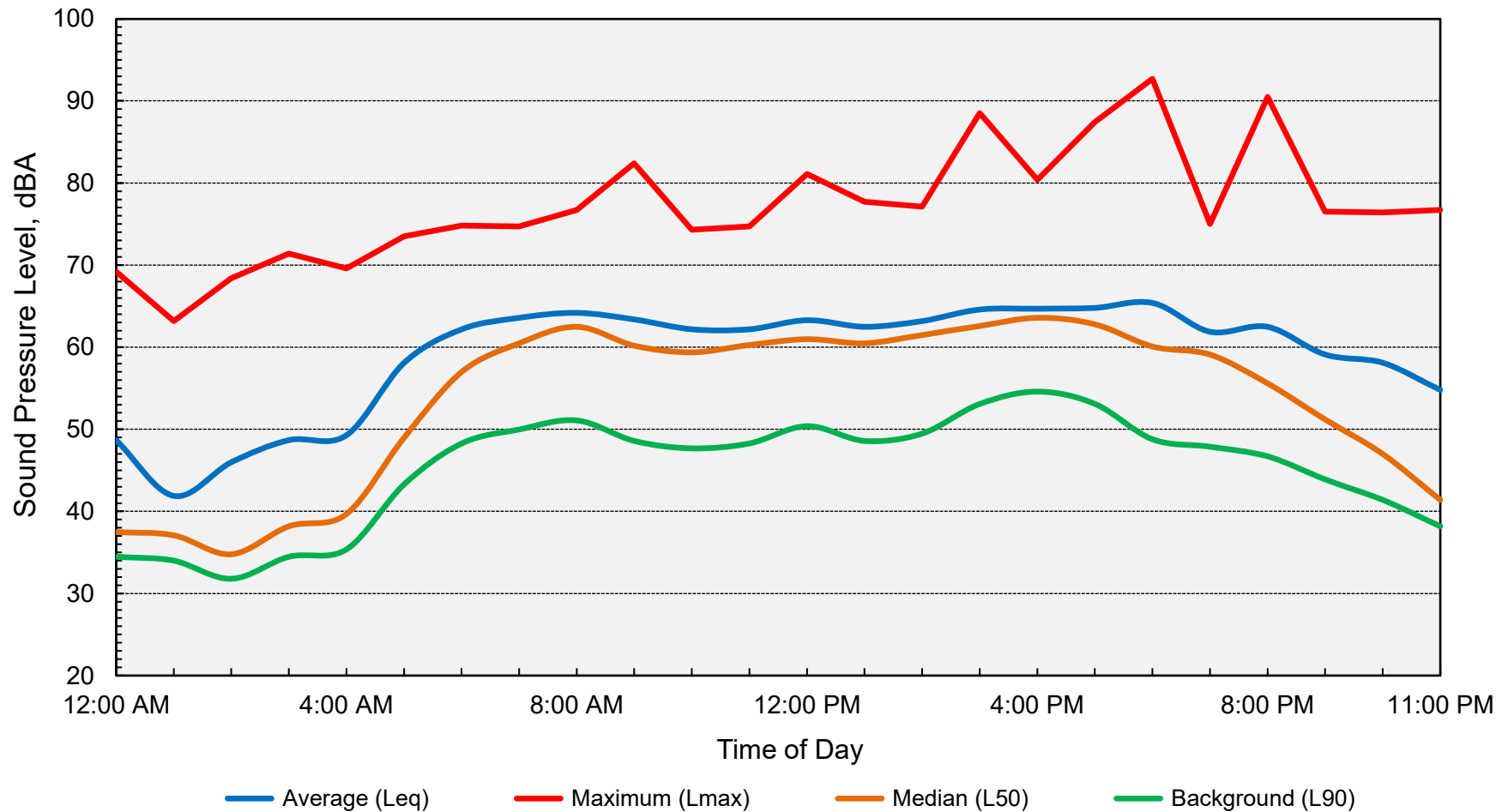
**Appendix D-19**  
**Long-Term Ambient Noise Monitoring Results - Site 4**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Monday, May 2, 2022**



**Computed DNL = 65 dB**



**Appendix D-20**  
**Long-Term Ambient Noise Monitoring Results - Site 4**  
**Shiloh Resort & Casino - Sonoma County, California**  
**Tuesday, May 3, 2022**



**Computed DNL = 65 dB**

**Appendix E-1****FHWA-RD-77-108 Highway Traffic Noise Prediction Model****Data Input Sheet**

Project #: 2022-051

Description: Existing

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description		ADT	Day %	Eve %	Night %	% Med. % Hvy.		Speed	Distance	Offset (dB)
		From	To					Trucks	Trucks			
1	Shiloh Rd	Conde Ln	Caletti Ave	13,200	80		20	2	1	45	420	
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	15,465	80		20	2	1	45	100	
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	12,610	80		20	2	1	45	100	
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	14,120	80		20	2	1	45	100	
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	7,510	80		20	2	1	45	50	
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	2,470	86		14	2	1	45	50	
7	Shiloh Rd	Gridley Dr	Project Entrance E	2,140	83		17	2	1	45	50	
8	Shiloh Rd	Project Entrance E	E of Project Entrance	1,920	83		17	2	1	45	50	
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	8,230	80		20	2	1	50	50	
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	7,345	89		11	2	1	50	60	
11	Old Redwood Hwy	Project Entrance	S of Project Entrance	7,325	89		11	2	1	50	65	

**Appendix E-2****FHWA-RD-77-108 Highway Traffic Noise Prediction Model****Data Input Sheet**

Project #: 2022-051

Description: Baseline Opening Year 2028

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description		ADT	Day %	Eve %	Night %	% Med. % Hvy.		Speed	Distance	Offset (dB)
		From	To					Trucks	Trucks			
1	Shiloh Rd	Conde Ln	Caletti Ave	15,025	80	0	20	2	1	45	420	0
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	18,090	80	0	20	2	1	45	100	0
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	16,920	80	0	20	2	1	45	100	0
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	17,955	80	0	20	2	1	45	100	0
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	9,855	80	0	20	2	1	45	50	0
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	2,860	86	0	14	2	1	45	50	0
7	Shiloh Rd	Gridley Dr	Project Entrance E	2,435	83	0	17	2	1	45	50	0
8	Shiloh Rd	Project Entrance E	E of Project Entrance	2,180	83	0	17	2	1	45	50	0
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	9,750	80	0	20	2	1	50	50	0
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	8,865	89	0	11	2	1	50	60	0
11	Old Redwood Hwy	Project Entrance	S of Project Entrance	8,340	89	0	11	2	1	50	65	0

**Appendix E-3****FHWA-RD-77-108 Highway Traffic Noise Prediction Model****Data Input Sheet**

Project #: 2022-051

Description: Baseline Opening Year 2028 + Project Alternative A

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description		ADT	Day %	Eve %	Night %	% Med. % Hvy.		Speed	Distance	Offset (dB)
		From	To					Trucks	Trucks			
1	Shiloh Rd	Conde Ln	Caletti Ave	15,445	80	0	20	2	1	45	420	0
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	18,510	80	0	20	2	1	45	100	0
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	20,995	80	0	20	2	1	45	100	0
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	24,255	80	0	20	2	1	45	100	0
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	16,155	80	0	20	2	1	45	50	0
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	8,652	86	0	14	2	1	45	50	0
7	Shiloh Rd	Gridley Dr	Project Entrance E	6,800	83	0	17	2	1	45	50	0
8	Shiloh Rd	Project Entrance E	E of Project Entrance	2,848	83	0	17	2	1	45	50	0
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	10,585	80	0	20	2	1	50	50	0
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	10,208	89	0	11	2	1	50	60	0
11	Old Redwood Hwy	Project Entrance	S of Project Entrance	9,175	89	0	11	2	1	50	65	0

**Appendix E-4****FHWA-RD-77-108 Highway Traffic Noise Prediction Model****Data Input Sheet**

Project #: 2022-051

Description: Baseline Opening Year 2028 + Project Alternative B

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description		ADT	Day %	Eve %	Night %	% Med. % Hvy.		Speed	Distance	Offset (dB)
		From	To					Trucks	Trucks			
1	Shiloh Rd	Conde Ln	Caletti Ave	14,300	80	0	20	2	1	45	420	0
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	17,225	80	0	20	2	1	45	100	0
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	19,215	80	0	20	2	1	45	100	0
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	21,805	80	0	20	2	1	45	100	0
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	14,250	80	0	20	2	1	45	50	0
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	7,291	86	0	14	2	1	45	50	0
7	Shiloh Rd	Gridley Dr	Project Entrance E	5,755	83	0	17	2	1	45	50	0
8	Shiloh Rd	Project Entrance E	E of Project Entrance	2,566	83	0	17	2	1	45	50	0
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	9,730	80	0	20	2	1	50	50	0
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	9,294	89	0	11	2	1	50	60	0
11	Old Redwood Hwy	Project Entrance	S of Project Entrance	8,360	89	0	11	2	1	50	65	0

**Appendix E-5****FHWA-RD-77-108 Highway Traffic Noise Prediction Model****Data Input Sheet**

Project #: 2022-051

Description: Baseline Opening Year 2028 + Project Alternative C

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description		ADT	Day %	Eve %	Night %	% Med. % Hvy.		Speed	Distance	Offset (dB)
		From	To					Trucks	Trucks			
1	Shiloh Rd	Conde Ln	Caletti Ave	15,115	80	0	20	2	1	45	420	0
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	18,180	80	0	20	2	1	45	100	0
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	17,805	80	0	20	2	1	45	100	0
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	19,275	80	0	20	2	1	45	100	0
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	11,175	80	0	20	2	1	45	50	0
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	4,070	86	0	14	2	1	45	50	0
7	Shiloh Rd	Gridley Dr	Project Entrance E	3,347	83	0	17	2	1	45	50	0
8	Shiloh Rd	Project Entrance E	E of Project Entrance	2,319	83	0	17	2	1	45	50	0
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	9,920	80	0	20	2	1	50	50	0
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	9,145	89	0	11	2	1	50	60	0
11	Old Redwood Hwy	Project Entrance	S of Project Entrance	8,510	89	0	11	2	1	50	65	0

**Appendix E-6****FHWA-RD-77-108 Highway Traffic Noise Prediction Model****Data Input Sheet**

Project #: 2022-051

Description: Cumulative 2040

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description		ADT	Day %	Eve %	Night %	% Med. % Hvy.		Speed	Distance	Offset (dB)
		From	To					Trucks	Trucks			
1	Shiloh Rd	Conde Ln	Caletti Ave	22,225	80	0	20	2	1	45	420	0
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	25,040	80	0	20	2	1	45	100	0
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	25,915	80	0	20	2	1	45	100	0
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	27,065	80	0	20	2	1	45	100	0
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	19,135	80	0	20	2	1	45	50	0
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	3,960	86	0	14	2	1	45	50	0
7	Shiloh Rd	Gridley Dr	Project Entrance E	3,160	83	0	17	2	1	45	50	0
8	Shiloh Rd	Project Entrance E	E of Project Entrance	2,840	83	0	17	2	1	45	50	0
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	16,430	80	0	20	2	1	50	50	0
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	19,640	89	0	11	2	1	50	60	0
11	Old Redwood Hwy	Project Entrance	S of Project Entrance	10,820	89	0	11	2	1	50	65	0



**Appendix E-7****FHWA-RD-77-108 Highway Traffic Noise Prediction Model****Data Input Sheet**

Project #: 2022-051

Description: Cumulative 2040 + Project Alternative A

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description		ADT	Day %	Eve %	Night %	% Med. % Hvy.		Speed	Distance	Offset (dB)
		From	To					Trucks	Trucks			
1	Shiloh Rd	Conde Ln	Caletti Ave	22,645	80	0	20	2	1	45	420	0
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	25,460	80	0	20	2	1	45	100	0
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	29,990	80	0	20	2	1	45	100	0
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	33,365	80	0	20	2	1	45	100	0
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	25,435	80	0	20	2	1	45	50	0
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	9,752	86	0	14	2	1	45	50	0
7	Shiloh Rd	Gridley Dr	Project Entrance E	7,525	83	0	17	2	1	45	50	0
8	Shiloh Rd	Project Entrance E	E of Project Entrance	3,508	83	0	17	2	1	45	50	0
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	17,265	80	0	20	2	1	50	50	0
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	20,983	89	0	11	2	1	50	60	0
11	Old Redwood Hwy	Project Entrance	S of Project Entrance	11,655	89	0	11	2	1	50	65	0

**Appendix E-8****FHWA-RD-77-108 Highway Traffic Noise Prediction Model****Data Input Sheet**

Project #: 2022-051

Description: Cumulative 2040 + Project Alternative B

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description		ADT	Day %	Eve %	Night %	% Med. % Hvy.		Speed	Distance	Offset (dB)
		From	To					Trucks	Trucks			
1	Shiloh Rd	Conde Ln	Caletti Ave	22,560	80	0	20	2	1	45	420	0
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	25,375	80	0	20	2	1	45	100	0
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	29,290	80	0	20	2	1	45	100	0
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	32,080	80	0	20	2	1	45	100	0
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	24,150	80	0	20	2	1	45	50	0
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	8,571	86	0	14	2	1	45	50	0
7	Shiloh Rd	Gridley Dr	Project Entrance E	6,635	83	0	17	2	1	45	50	0
8	Shiloh Rd	Project Entrance E	E of Project Entrance	3,356	83	0	17	2	1	45	50	0
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	17,095	80	0	20	2	1	50	50	0
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	20,709	89	0	11	2	1	50	60	0
11	Old Redwood Hwy	Project Entrance	S of Project Entrance	11,485	89	0	11	2	1	50	65	0

**Appendix E-9****FHWA-RD-77-108 Highway Traffic Noise Prediction Model****Data Input Sheet**

Project #: 2022-051

Description: Cumulative 2040 + Project Alternative C

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description		ADT	Day %	Eve %	Night %	% Med. % Hvy.		Speed	Distance	Offset (dB)
		From	To					Trucks	Trucks			
1	Shiloh Rd	Conde Ln	Caletti Ave	22,315	80	0	20	2	1	45	420	0
2	Shiloh Rd	Caletti Ave	US-101 SB Ramps	25,130	80	0	20	2	1	45	100	0
3	Shiloh Rd	US-101 SB Ramps	US-101 NB Ramps	26,800	80	0	20	2	1	45	100	0
4	Shiloh Rd	US-101 NB Ramps	Hembree Ln	28,385	80	0	20	2	1	45	100	0
5	Shiloh Rd	Hembree Ln	Old Redwood Hwy	20,455	80	0	20	2	1	45	50	0
6	Shiloh Rd	Old Redwood Hwy	Gridley Dr	5,170	86	0	14	2	1	45	50	0
7	Shiloh Rd	Gridley Dr	Project Entrance E	4,072	83	0	17	2	1	45	50	0
8	Shiloh Rd	Project Entrance E	E of Project Entrance	2,979	83	0	17	2	1	45	50	0
9	Old Redwood Hwy	North of Shiloh Rd	Shiloh Rd	16,600	80	0	20	2	1	50	50	0
10	Old Redwood Hwy	Shiloh Rd	Project Entrance	19,920	89	0	11	2	1	50	60	0
11	Old Redwood Hwy	Project Entrance	S of Project Entrance	10,990	89	0	11	2	1	50	65	0

Appendix F-1  
Shiloh Resort & Casino  
On-Site Noise Sources - Reference Levels & Frequency Spectra  
Alternative A

Source	Source group	SPL	Lmax	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
Drop off area	Passenger Parking	88.2	99.0	58.9	67.5	67.1	73.3	82.8	83.8	81.9	75.4	64.0	
Garage - 1	Passenger Parking	95.6	99.0	66.3	74.9	74.6	80.8	90.2	91.2	89.4	82.8	71.4	
Garage - 2	Passenger Parking	95.6	99.0	66.3	74.9	74.6	80.8	90.2	91.2	89.4	82.8	71.4	
Garage - 3	Passenger Parking	94.7	99.0	65.4	74.0	73.7	79.9	89.3	90.3	88.5	81.9	70.5	
Garage - 4	Passenger Parking	89.9	99.0	60.7	69.3	68.9	75.1	84.6	85.6	83.7	77.2	65.8	
Surface Parking	Passenger Parking	94.7	99.0	65.4	74.0	73.7	79.9	89.3	90.3	88.5	81.9	70.5	
Pool area	Pool Noise	100.0	100.0				100.0						
Truck Service Yard	Truck docks	86.7	113.0	68.2	72.3	76.3	79.3	82.3	80.3	75.3	70.3		



Appendix F-2  
Shiloh Resort & Casino  
On-Site Traffic Noise Sources  
Alternative A

No.	Roadway name	Vehicles Peak Hr (Veh/hr)	
1	Loop Road	1053	
2	Loop Road	272	
3	Loop Road	267	
4	Main Entry Dr - north	155	
5	Main Entry Dr - north	25	
6	Main Entry Dr - south	25	
7	Main Entry Dr - south	155	
8	bus drop-off	50	
9	bus drop-off	10	
10	bus drop-off	50	
11	Surface parking - in	134	
12	Surface parking - out	134	
13	Parking Garage - in and out 80%	859	
14	Trucks	5	
15	Garage parking - in and out 20%	214	



Appendix G-1

Shiloh Resort & Casino

On-Site Noise Sources - Reference Levels & Frequency Spectra

Alternative B

Source	Source group	SPL	Lmax	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
Drop off area	Passenger Parking	88.2	99.0	58.9	67.5	67.1	73.3	82.8	83.8	81.9	75.4	64.0	
Garage - 1	Passenger Parking	95.6	99.0	66.3	74.9	74.6	80.8	90.2	91.2	89.4	82.8	71.4	
Garage - 2	Passenger Parking	95.6	99.0	66.3	74.9	74.6	80.8	90.2	91.2	89.4	82.8	71.4	
Garage - 3	Passenger Parking	95.6	99.0	66.3	74.9	74.6	80.8	90.2	91.2	89.4	82.8	71.4	
Garage - 4	Passenger Parking	94.2	99.0	64.9	73.5	73.1	79.3	88.8	89.8	87.9	81.4	70.0	
Pool area	Pool Noise	100.0	100.0				100.0						
Truck Service Yard - Alt B	Truck docks	85.7	113.0	67.2	71.3	75.3	78.3	81.3	79.3	74.3	69.3		



Appendix G-2  
Shiloh Resort & Casino  
On-Site Traffic Noise Sources  
Alternative B

No.	Roadway name	Vehicles Peak Hr (Veh/hr)	
1	Loop Road	1000	
2	Loop Road	259	
3	Loop Road	254	
4	Main Entry Dr - north	147	
5	Main Entry Dr - north	24	
6	Main Entry Dr - south	24	
7	Main Entry Dr - south	147	
8	bus drop-off	48	
9	bus drop-off	10	
10	bus drop-off	48	
11	Surface parking - in	128	
12	Surface parking - out	128	
13	Parking Garage - in and out 80%	815	
14	Trucks	5	
15	Garage parking - in and out 20%	204	





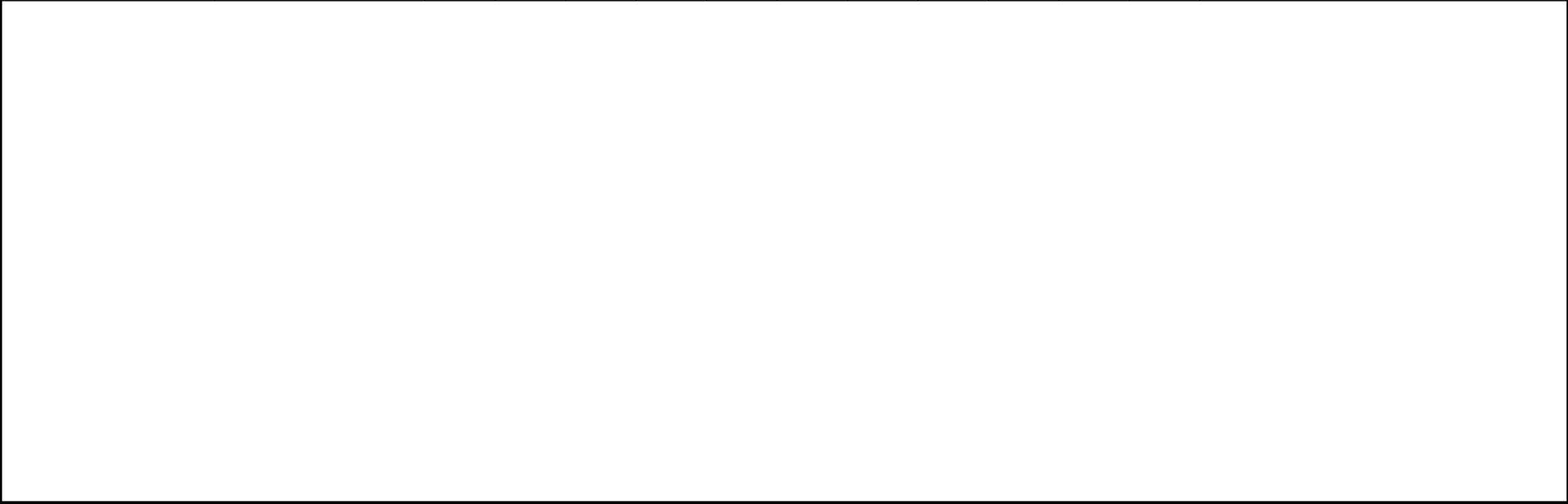
Appendix H-1

Shiloh Resort & Casino

On-Site Noise Sources - Reference Levels & Frequency Spectra

Alternative C

Source	Source group	SPL	Lmax	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
Hotel Parking	Passenger Parking	94.2	99.0	64.9	73.5	73.1	79.3	88.8	89.8	87.9	81.4	70.0	
Winery Parking	Passenger Parking	91.4	99.0	62.1	70.7	70.4	76.6	86.0	87.0	85.2	78.6	67.2	
Pool area	Pool Noise	100.0	100.0				100.0						
Truck Service Yard - Alt B	Truck docks	82.7	113.0	64.2	68.2	72.3	75.3	78.2	76.2	71.3	66.2		



Appendix H-2  
Shiloh Resort & Casino  
On-Site Traffic Noise Sources  
Alternative C

No.	Roadway name	Vehicles Peak Hr (Veh/hr)	
1	Loop Road	361	
2	Main Entry Dr - north	92	
3	Main Entry Dr - north	90	
4	Main Entry Dr - south	90	
5	Main Entry Dr - south	92	
6	Trucks	2	
7	Loop Road	351	
8	Loop Road	228	
9		361	
10		123	



Appendix M  
Phase I Environmental Site Assessment

# 222 EAST SHILOH ROAD SONOMA COUNTY, CALIFORNIA

## Phase I Environmental Site Assessment

Prepared for  
Confidential Client

August 2021





# 222 EAST SHILOH ROAD SONOMA COUNTY, CALIFORNIA

## Phase I Environmental Site Assessment

Prepared for  
Confidential Client

August 2021

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# TABLE OF CONTENTS

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## 222 East Shiloh Road Sonoma County, California Phase I Environmental Site Assessment

	<u>Page</u>
<b>Section 1.0, Executive Summary .....</b>	<b>1</b>
<b>Section 2.0, Introduction .....</b>	<b>5</b>
2.1 Purpose, Standards, and Definitions .....	5
2.2 Scope of Services .....	7
2.3 Limitations and Exceptions .....	8
<b>Section 3.0, Site Description .....</b>	<b>9</b>
3.1 General Setting and Location .....	9
3.2 Current Land Uses .....	9
<b>Section 4.0, Records Review .....</b>	<b>11</b>
4.1 Standard Environmental Record Sources .....	11
4.2 Results of Regulatory Records Search .....	11
4.3 Other Records Reviewed .....	13
Historical Aerial Photographs .....	13
Historical Topographic Maps .....	14
City Directories .....	15
4.4 Physical Setting .....	15
<b>Section 5.0, Site Reconnaissance .....</b>	<b>17</b>
5.1 Methodology and Limiting Conditions .....	17
5.2 General Site Setting .....	17
5.3 Site Observations .....	17
5.4 Results of Site Reconnaissance .....	26
<b>Section 6.0, User-Provided Information .....</b>	<b>27</b>
<b>Section 7.0, Findings and Opinions .....</b>	<b>29</b>
7.1 Findings and Opinions .....	29
7.2 Data Gaps .....	29
<b>Section 8.0, Report Authors and Qualifications .....</b>	<b>31</b>
8.1 Report Authors and Signatures .....	31
<b>Section 9.0, References .....</b>	<b>33</b>



	<u>Page</u>
<b>Appendices</b>	
A. Government Records Report .....	A-1
B. Historical Aerial Photographs, Historical Topographic Maps, City Directories, and Septic System Inspection Reports .....	B-1

**List of Figures**

Figure 1 Subject Property .....	3
---------------------------------	---

**List of Tables**

Table 3-1 Location and Zoning .....	9
-------------------------------------	---

# SECTION 1.0

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## Executive Summary

*Environmental Science Associates (ESA) compiled this executive summary using excerpts from the Phase I environmental site assessment report that follows. This executive summary may not provide all the information necessary to fully characterize the site and gain an understanding of the issues, nor does it detail the Phase I assessment and its findings. ESA does not recommend relying solely on this executive summary.*

This Phase I environmental site assessment was conducted on behalf of a confidential client for Assessor's Parcel Number (APN) 059-300-003 (subject property), located at 222 East Shiloh Road in Sonoma County, California (see **Figure 1, Subject Property**). This assessment was conducted in general accordance with guidance from the American Society of Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13), 40 Code of Federal Regulations (CFR) Section 312.1, "Purpose, Applicability, Scope and Disclosure Obligations." This Phase I environmental site assessment was conducted to identify Recognized Environmental Conditions (RECs), Historical Recognized Environmental Conditions (HRECs), or Controlled Recognized Environmental Conditions (CRECs) at the subject property (see Section 2.1 for definitions).

A commercial government records database service searched relevant federal, State, and local regulatory agency lists for listings of the subject property assessed in this report, and for nearby properties within the appropriate ASTM 1527 standard search distances. In addition, regulatory agency websites were checked to provide additional information. The subject property did not appear on any regulatory agency lists. None of the listed sites near the subject property are considered able to affect the subject property. **The search of regulatory records did not reveal any RECs, HRECs, or CRECs.**

The subject property was inspected on July 1, 2021. The subject property consists of vineyards, one residence, one storage building, one septic system, one solar panel array, four wells, and one dry creek. There were no observations of chemical spills, underground or aboveground storage tanks, waste pits or ponds, stained soil, unusual odors, or stressed vegetation. **No RECs, HRECs, or CRECs were observed relative to hazardous materials, hazardous waste, or chemical use, storage, or disposal.**

The property owner was interviewed regarding the past and current use of the property. The information he provided was incorporated into this assessment. He stated that vineyard equipment and chemicals used for the vineyard operations are not stored on the subject property; the storage building south of the residence stores equipment and chemicals for his domestic use. The one irrigation well south of the residence is powered by propane; all other irrigation wells and the domestic well are powered by electricity. The septic system inspection reports indicate the system is functioning properly. The subject property has never had above ground or underground fuel or oil storage tanks, waste pits or lagoons, or chemical spills; and prior to his ownership, portions of the subject property were used to grow prunes and occasionally graze cattle. **No RECs, HRECs, or CRECs were reported relative to hazardous materials, hazardous waste, or chemical use, storage, or disposal.**



Confidential Project 202100489

SOURCE: Image adapted from GoogleEarth 2021

**Figure 1**  
Subject Property

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## SECTION 2.0

---

### Introduction

#### 2.1 Purpose, Standards, and Definitions

On behalf of the Confidential Client, Environmental Science Associates conducted a Phase I environmental site assessment for the 222 East Shiloh property, located in unincorporated Sonoma County just south of the Town of Windsor, California (see Figure 1).

This Phase I assessment was conducted in general accordance with the American Society of Testing Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13) (ASTM 2013) and the U.S. Environmental Protection Agency (EPA) Final Rule regarding Standards and Practices for All Appropriate Inquiries (70 *Federal Register* [FR] 66070, November 1, 2005; 40 Code of Federal Regulations [CFR] Part 312) (AAI Rule). EPA has stated that the newly revised ASTM E1527-13 is consistent with the AAI Rule (78 FR 79319, December 30, 2013). Specifically, this final rule amends the AAI Rule at 40 CFR Part 312 to reference ASTM E1527-13 and make clear that persons conducting all appropriate inquiries may use the procedures included in this standard to comply with the AAI Rule.

The purpose of this Phase I assessment is to enable the parties relying on it to satisfy one or more of the requirements for the innocent landholder defense to liability under the Comprehensive Environmental Response, Compensation, and Liability Act and to evaluate the potential for Recognized Environmental Conditions (RECs) at the Project site. Three types of RECs are defined by ASTM E1527-13, as listed below. The term *Recognized Environmental Conditions (RECs)* means:

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

In addition, the updated ASTM E1527-13 defines the two categories cited below.



The term *Historical Recognized Environmental Conditions (HRECs)* means:

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

For a past REC to be considered an HREC, it must:

- Have already been remediated (or meet current standards without remediation);
- Not require use restrictions or engineering controls (e.g., cap, subslab depressurization system); and
- Meet current standards.

If the REC has use restrictions or engineering controls (e.g., cap, subslab depressurization system), the REC may be designated as a Controlled Recognized Environmental Condition (CREC), as defined below. Unlike HRECs, a CREC will be listed in the conclusions section of the Phase I assessment, along with other RECs. The purpose of this new category is to bring continuing obligations, such as use restrictions, maintenance requirements, and reporting requirements, to the forefront. The term *CREC* means:

A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.

RECs, HRECs, and CRECs are not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. In addition, business environmental conditions (e.g., subsurface crude oil pipelines) are noted but not considered RECs, HRECs, or CRECs.

The ASTM Standard practice also defines a “business environmental risk” as a risk that can have a material environmental impact on the planned use of a property.

## 2.2 Scope of Services

The following sections describe ESA's work scope:

- Section 2.0, *Introduction*, discusses the purpose for performing the Phase I assessment; the standards and definitions used for the Phase I assessment; and significant assumptions and limitations.
- Section 3.0, *Site Description*, compiles information concerning the location, legal description, and current and proposed uses of the subject property, along with a description of any structures and improvements at the time of ESA's assessment.
- Section 4.0, *Records Review*, includes ESA's review of various databases available from federal, State, and local regulatory agencies regarding hazardous materials use, storage, or disposal within or near the property considered in this assessment. Copies of relevant documents are included in the appendices of this report. Physical setting sources such as topography, soil, and groundwater conditions are described.
- Section 5.0, *Site Reconnaissance*, describes ESA's observations during reconnaissance of the subject property. The methodology used and limiting conditions are described.
- Section 6.0, *User-Provided Information*, documents information provided by the interviews conducted with the property managers.
- Section 7.0, *Findings and Opinions*, presents ESA's findings and professional opinions regarding the information contained in this report. It provides ESA's conclusions regarding the presence of RECs connected with the subject property and data gaps, if any, that could affect the recognition of RECs.
- Section 8.0, *Report Authors and Qualifications*, provides the signatures and qualifications of the report authors.
- Section 9.0, *References*, is a summary of the resources used to compile this report that supplement the information provided in the appendices.
- The appendices contain certain pertinent documentation regarding the subject property. Appendices A and B contain the report of regulatory agency database search results, as well as historical aerial photographs, historical topographic maps, and city directories. Fire insurance maps and an environmental lien search were not ordered because such records would not be produced for this rural property.



## 2.3 Limitations and Exceptions

No environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs, HRECs, and CRECs in connection with a property. Conformance of this Phase I assessment with ASTM E1527-13 reduces, but does not eliminate, uncertainty regarding the potential for RECs, HRECs, and CRECs in connection with the subject property. While ESA has made every effort to discover and interpret available historical and current information on the property assessed within the time available, some potential always remains for undiscovered contamination to be present. ESA's report is a best-efforts collection and interpretation of available information, and cannot be considered wholly conclusive. This report and the associated work were provided in accordance with the principles and practices generally employed by the local environmental consulting profession. This is in lieu of all warranties, expressed or implied. No other warranty is expressed or implied. ASTM E1527-13 is included in this report by reference.

This Phase I assessment is based primarily on historical research, a database review, and a site reconnaissance of accessible areas. This Phase I assessment does not include "non-scope issues" as specified by ASTM E1527-13, such as surveys for the presence of the following items on or in the vicinity of the subject property: asbestos-containing materials, polychlorinated biphenyls (PCBs), radon, effects on indoor air quality, lead-based paint, lead in drinking water, industrial hygiene, health and safety, regulatory compliance, and high-voltage lines.

The conclusions presented are professional opinions based solely upon indicated data described in this report, visual site and vicinity observations, and the interpretation of the available historical information and documents reviewed, as described in this report. Unless ESA has actual knowledge to the contrary, information obtained from interviews or provided to ESA is assumed to be correct and complete. ESA does not assume any liability for information that was misrepresented to ESA by others or for items not visible, accessible, or present on the parcel during the time of the site reconnaissance. The conclusions are intended exclusively for the purpose outlined herein and the site location and project indicated. Any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of the user.

Opinions and recommendations presented herein apply to the site conditions existing at the time of this Phase I assessment and cannot necessarily apply to site changes of which ESA is not aware and has not had the opportunity to evaluate. Changes in the conditions of the parcel may occur with time due to natural processes or the works of man on the property or adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond ESA's control. Opinions and judgments expressed herein are based on ESA's understanding and interpretation of current regulatory standards, and should not be construed as legal opinions.

## SECTION 3.0

---

### Site Description

#### 3.1 General Setting and Location

The subject property is located adjacent to the southern border of the Town of Windsor and east of Highway 101 in unincorporated Sonoma County, California. Figure 1 shows the current conditions of the subject property, along with items of interest. The subject property consists of the 68.6-acre APN 059-300-003. The subject property is surrounded by Old Redwood Highway to the west, East Shiloh Road and residential properties to the north, residences to the south, and vineyards to the east. The subject property is developed with one residence, a storage building, and vineyards. **Table 3-1** summarizes the subject property acreage, and Sonoma County land use zoning and General Plan designations.

**TABLE 3-1**  
**LOCATION AND ZONING**

Property Name	Assessor's Parcel Number	Acres	Zoning	General Plan	Structures
222 East Shiloh Road	059-300-003	68.6	Land Intensive Agriculture (LIA) with Combining Districts: B6 20, F1, F2, RC50/25, SR, VOH (see below)	Land Intensive Agriculture	One residence, one storage building, 3 water wells

**ZONING:**

B6 = Combining Districts = The adopted zoning maps shall specify the maximum permitted density, determined by gross acreage for all residential uses. Minimum front, side and rear yard requirements and the minimum parcel or lot size, if not otherwise specified, shall conform to the base district with which the B6 district is combined unless specifically approved otherwise by the planning commission

F1 = Floodway Combining District

F2 = Floodplain Combining District

RC50/25 = Riparian Corridor Combining District (minimum streamside conservation area shall be shown in the zoning database followed by the minimum setback for agricultural cultivation)

SR = Scenic Resources Combining District

VOH = Valley Oak Combining District

SOURCE: County of Sonoma 2021

#### 3.2 Current Land Uses

The subject property contains vineyards and a residence.

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## **SECTION 4.0**

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### **Records Review**

The purpose of the records review is to obtain and examine records that could help to evaluate potential RECs, HRECs, and CRECs in connection with the subject property. This section documents the database records search and the evaluation of other records, summarizes information provided by the property owners, and describes the physical setting of the subject property.

#### **4.1 Standard Environmental Record Sources**

Federal, State, and local regulatory agencies publish databases of businesses and properties that handle hazardous materials or hazardous waste, including those properties with a known release of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. ESA contracted with a commercial database service to perform the government database search for listings within the appropriate ASTM standard minimum search distance (EnviroSite 2021). A detailed description of the types of information in each database reviewed and the agency responsible for compiling the data is included in the Radius Report provided as Appendix A, which includes a list of acronyms for the individual databases in the executive summary of the Radius Report.

ESA evaluated the listings with regard to the nature of potential chemicals of concern and the extent of known releases. In general, reported or potential releases likely to affect a property would include those located on or within a 1/8-mile radius of the subject property. ESA also considered additional factors such as chemical properties, regional knowledge of the site vicinity, groundwater flow direction, and available past regulatory documentation as part of the REC evaluation.

#### **4.2 Results of Regulatory Records Search**

Sites identified within the ASTM-specified search radius in the surrounding area are discussed below. The site locations are shown on maps with the records search report in Appendix A. In addition, to augment the regulatory records search, the State Water Resources Control Board (SWRCB) GeoTracker and California Department of Toxic Substances Control (DTSC) EnviroStor websites were accessed to review documents that describe the locations and status of sites with environmental issues.

The regulatory records search did not identify any listings of hazardous materials use or historical releases for the subject property.

**Site 1 - Heller, Robert** – The Robert Heller site is located at 445 Hembree Lane, approximately 0.3-mile to the west-southwest of the subject property. The site is a Cleanup Program Site, which was the location of a gasoline spill that was reported in August of 1989. The contaminated soil was remediated and the site was closed in September of 1989. The North Coast Regional Water Quality Control Board (RWQCB) has certified that the site was adequately remediated and does not pose a threat to people or the environment.

**Site 2 - High Fire** – The subject property is within 1-mile of a mapped fire hazard severity zone. There is no spill or violation associated with this site.

**Site 3 - Colonial Park Inc./Colonial Park Creek Maintenance Project** – The Colonial Park site is located at 5645 Old Redwood Highway, approximately 0.36-mile to the southwest of the subject property. The records list this site as a Leaking Underground Storage Tank (LUST) Site, in which a gasoline spill contaminated an aquifer that was used for drinking water. The spill was reported in January 1965. In July 1991, the site underwent remediation, which included excavating contaminated material, and the case was completed and closed in May 1997. The North Coast RWQCB has certified that the site was adequately remediated and does not pose a threat to people or the environment.

**Site 4 - Sonoma County Airport Express Inc./Yolo Trucking** – The Sonoma County Airport Express/Yolo Trucking site is located at 5807 Old Redwood Highway, approximately 0.36-mile to the west of the subject property.

The records list this site as a LUST Site, in which a diesel gasoline spill contaminated an aquifer that was used for drinking water. The spill was reported in January 1965. In April 1991, the site underwent remediation, which included excavating contaminated material, and was completed and closed in September 1997. The North Coast RWQCB has certified that the site was adequately remediated and does not pose a threat to people or the environment.

In 2016, California Health and Safety Code violation was issued due to failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan and a Tank Facility Statement or Business Plan; the site returned to compliance in July of 2017.

In 2019, another Health and Safety Code violation was issued for failure to complete a review and evaluation of the SPCC Plan at least once every five years and to have the plan certified by management or a professional engineer; the site returned to compliance in April of 2019.

**Site 5 - Shiloh Solid Waste Disposal Site (Faught Dump)** – The Shiloh Solid Waste Disposal Site (Faught Dump) is located at 5750 Faught Road, approximately 0.4-mile to the east of the subject property. The Faught Dump is a reported Land Disposal Site, which is listed as in site assessment as of June 2001 by the SWRCB GeoTracker database. Records on GeoTracker indicate that Faught Dump was a former burn dump and that the site is potentially contaminated with various waste oils (motor, hydraulic, and lubricating), although it is not clear what medium has been potentially contaminated. Given the nature of the dump site and the distance from the subject property, the former burn site is not expected to be able to affect the subject property.

**Sites - 6, 8, 9, and 10 Rodgers Creek Fault** – The subject property is within 1-mile of an established Earthquake Fault Zone and/or Seismic Hazard Zone, as designated by the State Geologist. There are no spills or violations associated with the fault zone.

**Site 7 - Healdsburg Fault** – The subject property is within 1-mile of an established Earthquake Fault Zone and/or Seismic Hazard Zone, as designated by the State Geologist. There are no spills or violations associated with the fault.

**Orphan Sites** – Sites not plotted due to poor or inadequate address information are referred to as “orphan sites” or “unmappable properties.” The records search identified three orphan sites:

- **Buckeye Mine** – The APN numbers place this mine near the far northeastern corner of Sonoma County, over 20 miles northeast of the subject property. At this distance, this mine would be unable to affect the subject property.
- **SCDPW Larkfield Sewer** – The Larkfield area is about one mile southeast of the subject property. At this distance, this sewer would be unable to affect the subject property.
- **Standard Structures** – This is a site somewhere between Shiloh Road and the Sonoma County Airport. This would place this site west of Highway 101, at least one mile west of the subject property. Given the distance, this site is not expected to be able to affect the subject property.

## 4.3 Other Records Reviewed

The regulatory agency records search also provides historical aerial photographs and historical topographic maps. Fire insurance maps, city directories, and an environmental lien search were not ordered because such records would not be produced for a rural property. The search results are discussed below.

### Historical Aerial Photographs

Historical aerial photographs are available for the years 1952, 1953, 1956, 1957, 1968, 1971, 1972, 1974, 1975, 1979, 1983, 1985, 1987, 1993, 1998, 2005, 2009, 2010, 2012, 2014, 2016, 2018, and 2020, and are included in Appendix B. The red arrows on the aerial photographs point to the location of the current residence.

In the **1952** aerial photograph, the subject property is partly developed with orchards and partly undeveloped open grasslands and trees. The present-day property owner believes that the orchards were prunes and that cattle occasionally grazed on the subject property. The north-to-south flowing creek bisects the subject property from north-northeast to south-southwest. East Shiloh Road is present along the north side of the subject property; Redwood Highway (now called the Old Redwood Highway after Highway 101 was constructed between 1957 and 1968) is along the western border of the subject property. A few structures are present on the subject property next to Old Redwood Highway west of the creek. These structures may have been residential or agricultural support of the orchards or both. The surrounding area is orchards or undeveloped land with a few scattered structures.

The **1953 and 1956** aerial photograph shows parallel lineations on the northeast portion of the subject property, suggesting the preparation for planting additional orchards. However, the 1956 aerial photographs show that the orchard was not installed. No other significant changes are visible.

The **1957** aerial photograph shows no significant changes on the subject property or in the surrounding area.

The **1968 through 1972** aerial photographs show no significant changes to the subject property. The area across the Old Redwood Highway has some residential development.

The **1974** aerial photograph shows parallel lineations suggesting hay or weed cutting on much of the eastern portion of the subject property. Some of the planted area just east of the creek is in a pattern suggesting the orchard has been replaced with a vineyard. The property just south of the subject property appears to be the present-day trailer and RV storage yard.

The **1979 through 1985** aerial photographs are of poor quality and show no obvious significant changes to the subject property. The surrounding areas across the Old Redwood Highway shows increasing development.

The **1987 and 1993** aerial photographs show the orchard in the far northwest corner of the subject property; all other orchards, and if present vineyards, have been removed. The structures next to Old Redwood Highway appear to still be present. A residential development has been built across East Shiloh Road across from the northwest subject property corner.

The **1998** aerial photograph shows all of the previous orchards and structures have been removed, along with all trees not lining the banks of the creek. The subject property appears to have been graded, dirt roads are visible in their present-day configuration, and the linear patterns appear to be consistent with the present-day alignment of vineyard rows. Grapes may have planted at this time and were still small plants.

The **2005 through 2020** aerial photographs show the subject property in its current configuration of vineyards with one residence and one storage building. The properties north across East Shiloh Road have more residences consistent with the present-day level of development.

## Historical Topographic Maps

Historical topographic maps are available for various portions of the subject property for the years 1920, 1933, 1940, 1955, 1993, 2012, 2015, and 2018, and are included in Appendix B. Note that the location of the present day residence on the subject property is identified with a red star.

The **1920** topographic map shows the subject property with orchards and the structure that was next to the property entrance on Old Redwood Highway. Old Redwood Highway and east Shiloh Road are present along the west and north boundaries, respectively. The surrounding area shows extensive agriculture and a few scattered structures.

In the **1933 and 1940** topographic maps, the creek is visible and its channel extends from the mountains to the northeast to Mark West Creek to the southwest. The structure at the Old Redwood Highway entrance to the subject property is visible.

The **1955** topographic map shows more development along the Old Redwood Highway and the present-day Highway 101 further west. The subject property has portions that are depicted as orchards and there are two structures by the property entrance. The property to the south is identified as trailer park.

The **1993** topographic map shows continuing development in the region. No changes are visible on the subject property.

The **2012 through 2018** are the more recent simplified style of topographic maps that show less detail. The creek is the only feature shown on the subject property.

## City Directories

The subject property is not listed in the city directories. The city directory listings for the local area are almost all for individuals that do not indicate a specific use. The only business-specific listing is for the Chalk Hill Winery on the 1991 directory, located at 257 East Shiloh Road about 1,200 feet northeast of the subject property along the east side of the creek. The winery is not listed on the regulatory records search discussed above. This indicates that the Chalk Hill Winery has not had any known spills or chemical use violations that could affect the subject property.

## 4.4 Physical Setting

The following sections provide information about the physical setting of the Project Area. Geotechnical information is not a required element of ASTM E1527-13 Phase I assessments and is not included in this Phase I assessment.

**Topography.** The subject property is within the Healdsburg, California, 7.5-minute quadrangle. The subject property is flat other than the creek that flows from north-northeast to south-southwest across the subject property. Elevations range from about 160 feet above mean sea level at the northeast corner of the subject property to about 140 feet mean sea level at the southwest corner of the subject property where the creek exits the subject property.

**Geology, Soils, and Hydrology.** The surface geology consists of Quaternary<sup>1</sup> alluvium. The soil unit is primarily the Zomora Series silty clayey loam, which consist of moderately well drained loam (EnviroSite 2021). Loam is a mixture of sand, silt, clay, and organic material.

**Flood Hazard.** FEMA has designated the creek and its floodplain as flood zone designation AE, which means the area has a 1 percent chance of being equaled or exceeded in any given year (FEMA 2008). The 1 percent annual chance flood is also referred to as the base flood or 100-year flood.

<sup>1</sup> Quaternary time is from the present to 2.6 million years ago.



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## SECTION 5.0

### Site Reconnaissance

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#### 5.1 Methodology and Limiting Conditions

Michael Burns, PG, CEG, CHG, from ESA conducted the site reconnaissance on July 1, 2021, to assess present conditions. Access was provided by the owner, Randy Clifton, and the realtor, Delia Nieto. Weather at the time of the site reconnaissance was sunny and clear. The site conditions discussed below are limited to readily apparent environmental conditions observed. Items of interest are shown on Figure 1.

#### 5.2 General Site Setting

The subject property consists of one parcel split by an intermittent stream that flows north-northwest to south-southeast when flow is present; the creek was dry at the time of the site inspection. Most of the subject property consists of vineyards. One residence and one storage building are on the eastern half of the subject property. Most of the areas north and south of the subject property are in residential use. Vineyards are to the east. The Old Redwood Highway is along the western subject property border, with the corporate office of the Sonoma County Airport Express, a church, and residences on the west side of the highway. The observed conditions, along with photographs, are described below.

#### 5.3 Site Observations

The vineyards cover most of the subject property. The vines are watered using drip irrigation. The photographs below and on the next page show typical views of the vineyards. No stained soil or stressed vegetation were observed anywhere in the vineyard areas.







The subject property has three vineyard irrigation wells shown in the photographs below. The two irrigation wells on the western part of the subject property are powered by electricity. The one irrigation well on the eastern part of the subject property is powered by propane, as shown in the bottom photograph. Minor oil staining was observed by the propane-powered well pump. The staining is minor in extent, does not extend to the edge of the pad, and is considered a de minimus condition.





The creek bisecting the subject property is shown in the photographs below. The creek banks have thick vegetation. The property owner noted that the creek only flows in the winter and is typically dry by June. No trash, stained soil, or stressed vegetation were observed.





The photographs below show the owner's residence and the domestic well located by the southeast corner of the house. The interior of the home was not inspected and is assumed to contain minor small quantities of typical home cleaning products. The domestic well is electrically powered. No stained soil or stressed vegetation was observed around the home or domestic well.



An equipment and materials storage building is located southeast of the residence and along the eastern border of the subject property. The building stores a tractor, a pickup truck, tools, irrigation materials, wine barrels, and small quantities of paints and thinners, pesticides, roofing patch tar, and chalking. No staining was observed on the floor or gravel areas.





The septic system for domestic waste is located just west of the home and is raised to provide adequate distance to groundwater. The septic system appeared to be in good working order with no sagging or wet areas, as shown below. A solar panel array is located just north of the septic system. No stained soil was observed under the transformers for the solar panel array.





The transformer on a power pole shown below has a blue “No-PCBs” sticker, meaning that the oil in the transformer does not contain polychlorinated biphenyls (PCBs).



The transformer shown below is at the entrance at the northeast corner of the subject property. No oil staining was observed on its concrete pad.





Two large-diameter metal pipes cross the creek near the center of the subject property, as shown below. However, the pipes are not connected to anything.



A driving reconnaissance of surrounding properties was conducted to look for adjacent properties that might have the potential to affect the subject property. The only property of interest is the Sonoma County Airport Express west and across Old Redwood Highway from the subject property. As shown below, this bus facility has a large above-ground diesel storage tank. The tank is in secondary containment, which would prevent spills from leaving the bus facility.



## 5.4 Results of Site Reconnaissance

There were no observations of chemical spills, underground or aboveground storage tanks other than the propane tank, waste pits or ponds, stained soil, unusual odors, or stressed vegetation. The propane tank is above ground and is not considered an environmental issue for future use of the subject property. The chemical use is of small quantities and no staining or stressed vegetation was observed. **No RECs, HRECs, or CRECs were observed relative to hazardous materials, hazardous waste, or chemical use, storage, or disposal.**

## SECTION 6.0

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### User-Provided Information

Mr. Randy Clifton, the owner of the subject property since 1996, was interviewed during the site inspection on July 1, 2021. Much of the information he provided has been incorporated into the previous sections. Mr. Clifton provided the following information:

- The equipment and chemicals (e.g., fuel and oils, pesticides, and herbicides) used for the vineyard operations are not stored on the subject property. Equipment and chemicals are brought to the vineyard on an as-needed basis, and are transported back to an offsite storage facility after use.
- The storage building south of the residence stores equipment (tractor, truck, and small tools) and chemicals (small containers and quantities of fuel and oils, paints and thinners, pesticides and herbicides, and other chemicals) for his domestic use.
- The one irrigation well south of the residence is powered by propane. All other irrigation wells and the domestic well are powered by electricity.
- Sanitary waste is routed to a raised mound septic system located west of the residence. The system consists of one 1,500-gallon concrete two-compartment primary septic tank and one 800-gallon one-compartment sump tank and pump. System inspection reports, provided in Appendix B, indicate the system is functioning properly.
- The subject property has never had above ground or underground fuel or oil storage tanks, waste pits or lagoons, or chemical spills.
- Prior to his ownership, portions of the subject property were used to grow prunes. In addition, cattle occasionally grazed the subject property.

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## SECTION 7.0

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## Findings and Opinions

### 7.1 Findings and Opinions

A commercial government records database service searched relevant federal, State, and local regulatory agency lists for listings of the subject property assessed in this report, and for nearby properties within the appropriate ASTM 1527 standard search distances. In addition, regulatory agency websites were checked to provide additional information. The subject property did not appear on any regulatory agency lists. None of the listed sites near the subject property are considered able to affect the subject property. **The search of regulatory records did not reveal any RECs, HRECs, or CRECs.**

The subject property was inspected on July 1, 2021. The subject property consists of vineyards, one residence, one storage building, one septic tank and leach field, one solar panel array, four wells, and one dry creek. There were no observations of chemical spills, underground or aboveground storage tanks, waste pits or ponds, stained soil, unusual odors, or stressed vegetation. **No RECs, HRECs, or CRECs were observed relative to hazardous materials, hazardous waste, or chemical use, storage, or disposal.**

The property owner was interviewed regarding the past and current use of the property. The information he provided was incorporated into this assessment. He stated that vineyard equipment and chemicals used for the vineyard operations are not stored on the subject property; the storage building south of the residence stores equipment and chemicals for his domestic use. The one irrigation well south of the residence is powered by propane; all other irrigation wells and the domestic well are powered by electricity. The septic system inspection reports indicate the system is functioning properly. The subject property has never had above ground or underground fuel or oil storage tanks, waste pits or lagoons, or chemical spills; and prior to his ownership, portions of the subject property were used to grow prunes and occasionally graze cattle. **No RECs, HRECs, or CRECs were reported relative to hazardous materials, hazardous waste, or chemical use, storage, or disposal.**

### 7.2 Data Gaps

ESA attempted to obtain reasonably ascertainable information regarding the subject property and the surrounding environs. There were no data gaps identified that could affect the identification of RECs, HRECs, or CRECs.

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## SECTION 8.0

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# Report Authors and Qualifications

### 8.1 Report Authors and Signatures

This section includes qualification statements of the environmental professionals responsible for conducting the Phase I assessment and preparing this report.

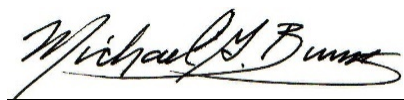
Mr. Michael Burns, PG, CEG, CHG, of ESA conducted the data review for the subject property, conducted the site reconnaissance, and prepared the Phase I environmental site assessment report. Mr. Burns has over 30 years of experience in environmental site investigations, characterizations, and assessments, including Phase I environmental site assessments.

The work conducted and the report written by Mr. Burns was reviewed by Ms. Jennifer Wade. Ms. Wade has over 12 years of experience in environmental site investigations, characterizations, and assessments, including Phase I Environmental Site Assessments.

Mr. Burns declares that, to the best of his professional knowledge and belief, he meets the definition of Environmental Professional as defined in 40 CFR §312.10. Ms. Wade declares that, to the best of her professional knowledge and belief, she meets the definition of Environmental Professional as defined in 40 CFR §312.10.

Mr. Burns has the specific qualifications based on education, training, and experience to assess a parcel of the nature, history, and setting of this parcel. With the assistance of Ms. Wade, he has developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Principal Analyst/Reviewer:

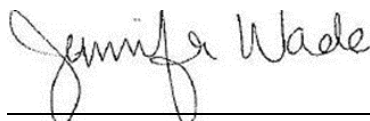


Michael G. Burns, PG #4532, CEG #1846, CHG #280

July 2021

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Senior Reviewer:



Jennifer Wade-Robertson, Program Manager

July 2021

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## SECTION 9.0

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### References

- ASTM. 2013. E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Assessment Process*. ASTM International.
- Envirosearch. 2021. *Government Records Report, 222 East Shiloh Road, Santa Rosa, California 95403*. June 7, 2021.
- Federal Emergency Management (FEMA), 2008. *Flood Insurance Rate Map (FIRM) Panel 0569E*. December 2, 2008.
- Permit Sonoma, 2021. *Zoning and Parcel Report, APN 059-300-003*. Accessed on July 6, 2021, at <https://sonomacounty.ca.gov/PRMD/Services/Zoning-and-Parcel-Report/?APN=059-300-003&rp=MapSearch>.

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# Appendix A

## **Government Records Report**





## Government Records Report | 2021

Order Number: 56247

Report Generated: 06/07/2021

Project Name: East Shiloh Road

Project Number: D202100489-1

222 E. Shiloh Rd.  
222 E Shiloh Rd  
Santa Rosa, CA 95403

---

2 Corporate Drive  
Suite 450  
Shelton, CT 06484  
Toll Free: 866-211-2028  
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Section	Page
<u>Executive Summary</u>	<u>1</u>
<u>Executive Summary by Distance</u>	<u>2</u>
<u>Executive Summary by Database</u>	<u>3</u>
<u>Property Proximity Map</u>	<u>11</u>
<u>Area Map</u>	<u>12</u>
<u>Map Findings Summary</u>	<u>13</u>
<u>Map Findings</u>	<u>24</u>
<u>Unmappable Summary</u>	<u>56</u>
<u>Environmental Records Searched</u>	<u>57</u>
<u>Geological Landscape Section</u>	<u>92</u>
<u>Geological Landscape Section Soil Map</u>	<u>95</u>
<u>Geological Landscape Section Summary</u>	<u>96</u>
<u>Geological Findings Map</u>	<u>106</u>
<u>Geological Landscape Section Map Findings</u>	<u>107</u>
<u>Geological Landscape Section Map Findings Radon</u>	<u>148</u>
<u>Geological Landscape Records Searched</u>	<u>149</u>

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Envirosite Corporation has conducted a search of all reasonably ascertainable records in accordance with EPA's AAI (40 CFR Part 312) requirements and the ASTM E-1527-13 Environmental Site Assessments standard.

## **SUBJECT PROPERTY INFORMATION:**

### **ADDRESS:**

222 E. Shiloh Rd.  
222 E Shiloh Rd  
Santa Rosa, CA 95403

### **COORDINATES:**

Latitude (North):	38.524086 - 38°31'26.7"
Longitude (West):	-122.770414 - -122°46'13.5"
Universal Transverse Mercator:	Zone 10N
UTM X (Meters):	520012.76
UTM Y (Meters):	4263991.03

### **ELEVATION:**

Elevation:	154 ft. above sea level
------------	-------------------------

## **USGS TOPOGRAPHIC MAP ASSOCIATED WITH SUBJECT PROPERTY:**

Subject Property Map: 38122-E7 Healdsburg, CA  
Most Recent Revision: 2018

<u>MAP ID</u>	<u>SITE NAME</u>	<u>ADDRESS</u>	<u>DATABASE(S)</u>	<u>RELATIVE ELEVATION</u>	<u>DIRECTION / DISTANCE</u>
<b>1</b>	HELLER, ROBERT   HELLERNA ROBERT	445 HEMBREE LANE	CALEPA SITES - CA, FRS, SLIC REG 1 - CA	Lower	WSW / 0.314 mi., 1658...
<b>2</b>	N/R	38.6901721, -122.73525518	HIGH FIRE - CA	N/R	ENE / 0.326 mi., 1722 ft.
<b>3</b>	Colonial Park, Inc.   Colonial Park Cree...	5645 OLD REDWOOD HWY N...	CALEPA SITES - CA, CIWQS - CA, FRS, LUST RE...	Lower	SW / 0.363 mi., 1916 ft.
<b>4</b>	SONOMA COUNTY AIRPORT EXPRESS ...	5807 OLD REDWOOD HWY	AST - CA, CALEPA SITES - CA, ECHO, FRS, HAZ...	Lower	W / 0.365 mi., 1930 ft.
<b>5</b>	FAUGHT DUMP   Shiloh Disposal Site	5750 FAUGHT RD	CALEPA SITES - CA, FRS, SWF/LF - CA	Higher	E / 0.424 mi., 2237 ft.
<b>6</b>	RODGERS CREEK FAULT	38.51645125, -122.7534795	SEISMIC - CA	N/R	ENE / 0.486 mi., 2568 ft.
<b>7</b>	HEALDSBURG FAULT	38.5347901, -122.7686066	SEISMIC - CA	N/R	N / 0.745 mi., 3933 ft.
<b>8</b>	RODGERS CREEK FAULT	38.53713309, -122.7660065...	SEISMIC - CA	N/R	NNE / 0.931 mi., 4916...
<b>9</b>	RODGERS CREEK FAULT	38.51429023, -122.7525375...	SEISMIC - CA	N/R	ESE / 0.984 mi., 5194 ft.
<b>10</b>	RODGERS CREEK FAULT	38.53818302, -122.7672574...	SEISMIC - CA	N/R	NNE / 0.987 mi., 5213...

**SUBJECT PROPERTY SEARCH RESULTS:**

The subject property was not listed in any of the databases searched by Envirosite Corporation.

**SEARCH RESULTS:****STATE AND TRIBAL LEAKING STORAGE TANK LISTS**

LUST REG 1 - CA: Leaking underground storage tanks in Region 1: Del Norte Glenn Humboldt Lake Marin Mendocino Modoc Siskiyou Sonoma and Trinity counties. **2 SITES FOUND WITHIN .5 MILE**

**LOWER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
3	Colonial Park, Inc.   Colonial Park Creek Maintenance Project   COLONIAL PARKNA INC.	5645 OLD REDWOOD HWY N   5645 OLD REDWOOD	SW / 0.363 mi., 1916 ft.	27
	- ID: T0609700322	Status: Completed - Case Closed	Date: 1997-05-20	
4	SONOMA COUNTY AIRPORT EXPRESS INC   Airport Express   Yolo Trucking	5807 OLD REDWOOD HWY	W / 0.365 mi., 1930 ft.	32
	- ID: T0609700284	Status: Completed - Case Closed	Date: 1997-09-24	

LUST\_SONOMA COUNTY - CA: Sonoma county leaking underground storage tank sites listing **2 SITES FOUND WITHIN .5 MILE**

**LOWER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
3	Colonial Park, Inc.   Colonial Park Creek Maintenance Project   COLONIAL PARKNA INC.	5645 OLD REDWOOD HWY N   5645 OLD REDWOOD	SW / 0.363 mi., 1916 ft.	27
	- ID: T0609700322	Status: COMPLETED - CASE CLOSED	Date: 1997-05-20	
4	SONOMA COUNTY AIRPORT EXPRESS INC   Airport Express   Yolo Trucking	5807 OLD REDWOOD HWY	W / 0.365 mi., 1930 ft.	32
	- ID: T0609700284	Status: COMPLETED - CASE CLOSED	Date: 1997-09-24	

SLIC REG 1 - CA: List of Region 1 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database. **1 SITE FOUND WITHIN .5 MILE**

**LOWER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
1	HELLER, ROBERT   HELLERNA ROBERT	445 HEMBREE LANE	WSW / 0.314 mi., 1658 ft.	24
	- ID: T0609793137	Status: Completed - Case Closed	Date: 1989-09-25	

**STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

SWF/LF - CA: Solid Waste Information System's facility listing of solid waste facilities and landfills **1 SITE FOUND WITHIN .5 MILE**

**EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
5	FAUGHT DUMP   Shiloh Disposal Site	5750 FAUGHT RD	E / 0.424 mi., 2237 ft.	51
	- ID: SWIS Number 49-AA-0358	Status: N/R	Date: Permit Date N/R	

**STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS (cont.)**SWF/LF - CA: Solid Waste Information System's facility listing of solid waste facilities and landfills **1 SITE FOUND WITHIN .5 MILE****EQUAL/HIGHER ELEVATION (cont.)**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
	- ID: Unit 01	Status: Operational Status Closed	Date: Closure Date 1960-12-31	

**OTHER ASCERTAINABLE RECORDS**HIGH FIRE - CA: Fire hazard severity zones mapped as areas of significant fire hazards on the basis of fuels terrain weather and other factors **1 SITE FOUND WITHIN 1 MILE****EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
2	N/R	38.6901721, -122.73525518	ENE / 0.326 mi., 1722 ft.	26

**OTHER**SEISMIC - CA: Earthquake Zones of Required Investigation. Shows the location of both Seismic Hazard Zones and Earthquake Fault Zones **5 SITES FOUND WITHIN 1 MILE****EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
6	RODGERS CREEK FAULT	38.51645125, -122.7534795	ENE / 0.486 mi., 2568 ft.	53
7	HEALDSBURG FAULT	38.5347901, -122.7686066	N / 0.745 mi., 3933 ft.	54
8	RODGERS CREEK FAULT	38.53713309, -122.76600651	NNE / 0.931 mi., 4916 ft.	54
9	RODGERS CREEK FAULT	38.51429023, -122.75253757	ESE / 0.984 mi., 5194 ft.	54
10	RODGERS CREEK FAULT	38.53818302, -122.76725745	NNE / 0.987 mi., 5213 ft.	55

Following sites were unable to be mapped.

<u>SITE NAME:</u>	<u>ADDRESS, CITY, ZIP:</u>	<u>DATABASE(S):</u>
BUCKEYE MINE	APN 117-140-002; 117-140-003; 117-1...	CERCLIS-HIST, SEMS_8R_ARCHIVED SITES
SCDPW LARKFIELD SEWER	REDWOOD HIGHWAY OLD, SANTA ROSA 95403	SLIC REG 1 - CA
STANDARD STRUCTURES	HWY 101 BETWEEN SHILOH ..., WINDSOR...	ENVIROSTOR - CA, HIST CORTESE - CA

**DATABASE(S) WITH NO MAPPED SITES:****FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST**

ARCHIVED RCRA TSDF	Archived Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities
RCRA_TSDF	Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities

**FEDERAL CERCLIS LIST**

CERCLIS NFRAP	Comprehensive Environmental Response Compensation and Liability Act No Further Remedial Action Planned
CERCLIS-HIST	Comprehensive Environmental Response Compensation and Liability Act
FEDERAL FACILITY	Federal Facility sites
SEMS_8R_ACTIVE SITES	Sites on SEMS Active Site Inventory
SEMS_8R_ARCHIVED SITES	Sites on SEMS Archived Site Inventory

**FEDERAL RCRA CORRACTS FACILITIES LIST**

CORRACTS	Hazardous Waste Corrective Action
HIST CORRACTS 2	Historical Hazardous Waste Corrective Action

**FEDERAL DELISTED NPL SITE LIST**

DELISTED NPL	Delisted National Priority List
DELISTED PROPOSED NPL	Delisted proposed National Priority List



**FEDERAL DELISTED NPL SITE LIST (cont.)**

SEMS\_DELETED NPL Sites Deleted from National Priorities List

**FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

EPA LF MOP EPA Landfill Methane Outreach Project Database

**FEDERAL ERNS LIST**

ERNS Emergency Response Notification System

**FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES**

FED E C Engineering Controls

FED I C Institutional Controls

RCRA IC\_EC RCRA sites with Institutional and Engineering Controls

**FEDERAL RCRA GENERATORS LIST**

HIST RCRA\_CESQG Historical Resource Conservation and Recovery Act\_Conditionally Exempt Small Quantity Generators

HIST RCRA\_LQG Historical Resource Conservation and Recovery Act\_Large Quantity Generators

HIST RCRA\_NONGEN Historical Resource Conservation and Recovery Act\_Non Generators

HIST RCRA\_SQG Historical Resource Conservation and Recovery Act\_Small Quantity Generators

RCRA\_LQG Resource Conservation and Recovery Act\_Large Quantity Generators

RCRA\_NONGEN Resource Conservation and Recovery Act\_Non Generators

RCRA\_SQG Resource Conservation and Recovery Act\_Small Quantity Generators

RCRA\_VSQG Resource Conservation and Recovery Act\_Very Small Quantity Generator

**FEDERAL NPL SITE LIST**

NPL National Priority List

NPL EPA R1 GIS GIS for EPA Region 1 NPL

NPL EPA R3 GIS GIS for EPA Region 3 NPL

NPL EPA R6 GIS GIS for EPA Region 6 NPL

NPL EPA R8 GIS GIS for EPA Region 8 NPL

NPL EPA R9 GIS GIS for EPA Region 9 NPL

PART NPL Part National Priority List

PROPOSED NPL Proposed National Priority List

SEMS\_FINAL NPL Sites included on the Final National Priorities List

SEMS\_PROPOSED NPL Sites Proposed to be Added to the National Priorities List

**STATE AND TRIBAL REGISTERED STORAGE TANK LISTS**

FEMA UST FEMA Underground Storage Tanks

INDIAN UST R1 Underground Storage Tanks on Indian Land in EPA Region 1

INDIAN UST R10 Underground Storage Tanks on Indian Land in EPA Region 10

INDIAN UST R2 Underground Storage Tanks on Indian Land in EPA Region 2

INDIAN UST R4 Underground Storage Tanks on Indian Land in EPA Region 4

INDIAN UST R5 Underground Storage Tanks on Indian Land in EPA Region 5

INDIAN UST R6 Underground Storage Tanks on Indian Land in EPA Region 6

INDIAN UST R7 Underground Storage Tanks on Indian Land in EPA Region 7

INDIAN UST R8 Underground Storage Tanks on Indian Land in EPA Region 8

INDIAN UST R9 Underground Storage Tanks on Indian Land in EPA Region 9

AST - CA Aboveground storage tanks

AST\_KERN COUNTY - CA Kern County Aboveground Storage Tanks Facilities

AST\_ORANGE COUNTY - CA Orange County Aboveground Storage Tanks

AST\_PLACER COUNTY - CA Placer County Aboveground Storage Tanks

AST\_YOLO COUNTY - CA Yolo County Above Ground Storage Tanks

CLOSED UST\_VENTURA COUNTY - CA Ventura County Closed Underground Storage Tanks

FID UST - CA Facility Inventory Database

HIST AST - CA Historical Aboveground Storage Tanks

HIST UST - CA Historical Underground Storage Tanks

HIST UST\_EL SEGUNDO CITY - CA Historical City of El Segundo Underground Storage Tanks

**STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)**

HIST_UST_KERN COUNTY - CA	Historical Kern County Underground Storage Tanks
HIST_UST_SUTTER COUNTY - CA	Historical Sutter County Underground Storage Tank List
TANKS_CONTRA COSTA COUNTY - CA	Contra Costa County Aboveground Storage Tanks
UST_CA	Underground Storage Tanks
UST_ALAMEDA COUNTY - CA	Alameda County Underground Storage Tanks
UST_CITY OF LONG BEACH - CA	City of Long Beach Underground Storage Tanks
UST_CITY OF TORRANCE - CA	City of Torrance Underground Storage Tanks
UST_EL SEGUNDO CITY - CA	City of El Segundo Underground Storage Tanks
UST_KERN COUNTY - CA	Kern County Underground Storage Tanks
UST_MARIN COUNTY - CA	Marin County Underground Storage Tanks
UST_MENDOCINO COUNTY - CA	Mendocino County Underground Storage Tanks
UST_NAPA COUNTY - CA	Underground storage tank sites located in Napa county.
UST_ORANGE COUNTY - CA	Orange County Underground Storage Tanks
UST_PLACER COUNTY - CA	Placer County Underground Storage Tanks
UST_RIVERSIDE COUNTY - CA	Riverside County Underground Storage Tanks
UST_SAN FRANCISCO COUNTY - CA	San Francisco County Underground Storage Tanks
UST_SAN JOAQUIN COUNTY - CA	San Joaquin County Underground Storage Tanks
UST_SOLANO COUNTY - CA	Solano County Underground Storage Tanks
UST_SUTTER COUNTY - CA	Sutter County Underground Storage Tanks
UST_YOLO COUNTY - CA	Yolo County Underground Storage Tanks

**STATE- AND TRIBAL - EQUIVALENT CERCLIS**

ENVIROSTOR - CA	EnviroStor Database
HIST_TOXIC PITS - CA	Historical Toxic Pits Cleanup Act
OIL & GAS CLEANUP - CA	SWRCB Oil & Gas Cleanup Sites
SWRCB CLEANUP - CA	SWRCB Cleanup Program
SWRCB NON_CASE - CA	SWRCB Non-Case Sites
TOXIC PITS - CA	Toxic Pits Cleanup Act

**STATE AND TRIBAL LEAKING STORAGE TANK LISTS**

INDIAN_LUST_R1	Leaking Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN_LUST_R10	Leaking Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN_LUST_R2	Leaking Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN_LUST_R4	Leaking Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN_LUST_R5	Leaking Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN_LUST_R6	Leaking Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN_LUST_R7	Leaking Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN_LUST_R8	Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN_LUST_R9	Leaking Underground Storage Tanks on Indian Land in EPA Region 9
HIST_LUST_SONOMA COUNTY - CA	Historical Sonoma County Leaking Underground Storage Tanks
LUFT_ALAMEDA COUNTY - CA	Alameda County Leaking Underground Fuel Tanks
LUST_ORANGE COUNTY - CA	Orange County Leaking Underground Storage Tanks
LUST_REG 2 - CA	Region 2 Leaking Underground Storage Tanks
LUST_REG 3 - CA	Region 3 Leaking Underground Storage Tanks
LUST_REG 4 - CA	Region 4 Leaking Underground Storage Tanks
LUST_REG 5 - CA	Region 5 Leaking Underground Storage Tanks
LUST_REG 6 - CA	Region 6 Leaking Underground Storage Tanks
LUST_REG 7 - CA	Region 7 Leaking Underground Storage Tanks
LUST_REG 8 - CA	Region 8 Leaking Underground Storage Tanks
LUST_REG 9 - CA	Region 9 Leaking Underground Storage Tanks
LUST_HAZMAT_YOLO COUNTY - CA	Yolo County Leaking Underground Storage tanks
LUST_KERN COUNTY - CA	Kern County leaking underground tank sites
LUST_RIVERSIDE COUNTY - CA	Riverside County Leaking Underground Storage Tanks
LUST_SAN FRANCISCO COUNTY - CA	listing of leaking underground storage tanks
LUST_SAN MATEO COUNTY - CA	San Mateo County Leaking Underground Storage Tanks
LUST_SOLANO COUNTY - CA	Solano County Leaking Underground Storage Tanks
LUST_SUTTER COUNTY - CA	Sutter County Leaking Underground Storage Tanks
LUST_VENTURA COUNTY - CA	Ventura County Leaking Underground Storage Tanks

**STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)**

SLIC REG 2 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 3 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 4 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 5 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 6 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 7 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 8 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 9 - CA	Spills Leaks Investigation & Cleanup Program
SLIC_ALAMEDA COUNTY - CA	Alameda County Spills Leaks Investigation & Cleanup

**STATE- AND TRIBAL - EQUIVALENT NPL**

HIST RESPONSE - CA	Historical State Response Sites
RESPONSE - CA	State Response Sites

**STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

HIST SWF/LF - CA	Historical Solid Waste Information System
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**STATE RCRA GENERATORS LIST**

HWG - CA	State Hazardous Waste Generators
HWG_YOLO COUNTY - CA	State Hazardous Waste Generators

**STATE AND TRIBAL BROWNFIELD SITES**

TRIBAL BROWNFIELDS	Tribal Brownfields
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**STATE AND TRIBAL VOLUNTARY CLEANUP SITES**

VCP - CA	Voluntary Cleanup Program sites
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**LOCAL BROWNFIELD LISTS**

BROWNFIELDS-ACRES	EPA ACRES Brownfields
FED BROWNFIELDS	Federal Brownfields

**LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES**

FED CDL	DOJ Clandestine Drug Labs
US HIST CDL	Historical Clandestine Drug Labs
CALARP_KERN COUNTY - CA	HazMat Chemical Facility List
CASE LIST_SAN DIEGO COUNTY - CA	San Diego County Environmental Case List
CDL - CA	Meth and Clandestine Drug Labs
CORRECTIVE ACTION_RIVERSIDE COUNTY - CA	Riverside County Corrective Action Sites
CS_NAPA COUNTY - CA	Contaminated Sites
CS_PLACER COUNTY - CA	Placer County Cleanup Sites
SCH - CA	School Property Evaluation Program
SITE LIST_CONTRA COSTA COUNTY - CA	Contra Costa County Sites List
TOXIC SITE_SACRAMENTO COUNTY - CA	Sacramento County Toxic Site Cleanup list

**RECORDS OF EMERGENCY RELEASE REPORTS**

HMIRS (DOT)	Hazardous Materials Information Reporting Systems
CHMIRS - CA	California Hazardous Material Incident Report System
HIST CHMIRS - CA	California Hazardous Material Incident Report System
INDUSTRIAL CLEANUP_ORANGE COUNTY - CA	Petroleum and non-petroleum industrial spills
SML_LOS ANGELES COUNTY - CA	Los Angeles County Emergency Response session spills

**LOCAL LAND RECORDS**

LIENS 2	CERCLA Lien Information
DEED - CA	Deeds
HIST LIENS - CA	Historical Liens
LIENS - CA	Liens

**LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES**

HIST INDIAN ODI R8	Historical Open Dump Inventory
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**LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES (cont.)**

INDIAN ODI R8	Open Dump Inventory
ODI	Open Dump Inventory
TRIBAL ODI	Indian Open Dump Inventory Sites
HAULERS - CA	Tire Haulers
LF_SAN DIEGO COUNTY - CA	San Diego County Landfills
SWF_LOS ANGELES COUNTY - CA	Los Angeles County solid waste facilities
SWRCY - CA	Recyclers

**OTHER ASCERTAINABLE RECORDS**

AFS	Air Facility Systems
ALT FUELING	Alternative Fueling Stations
AST PBS	ASTs at Bulk Petroleum Terminals
BRS	Biennial Reporting Systems
CDC HAZDAT	Hazardous Substance Release and Health Effects Information
COAL ASH DOE	Coal Ash: Department of Energy
COAL ASH EPA	Coal Ash: Environmental Protection Agency
COAL GAS	Coal Gas Plants
CONSENT (DECREES)	Superfund Consent Decree
CORRECTIVE ACTIONS_2020	Wastes - Hazardous Waste - Corrective Action
DEBRIS EPA LF	EPA Disaster Debris Landfill Sites
DEBRIS EPA SWRCY	EPA Disaster Debris Recovery Sites
DOD	Department of Defense
DOT OPS	Department of Transportation Office of Pipeline Safety
ECHO	EPA Enforcement and Compliance History Online
ENOI	Electronic Notice of Intent
EPA FUELS	EPA Fuels Registration, Reporting, and Compliance List
EPA OSC	EPA On-Site Coordinator
EPA WATCH	EPA Watch List
FA HWF	Financial Assurance for Hazardous Waste Facilities
FEDLAND	Federal Lands
FRS	Facility Index Systems
FTTS	FIFRA/TSCA Tracking System
FTTS INSP	FIFRA/TSCA Tracking System: Inspections
FUDS	Formerly Used Defense Sites
HIST AFS	Historical Air Facility Systems
HIST AFS 2	Historical Air Facility Systems
HIST DOD	Department of Defense historical sites
HIST LEAD_SMELTER	Historical Lead Smelter Sites
HIST MLTS	Historical Material Licensing Tracking Systems
HIST PCB TRANS	Historical Polychlorinated Biphenyl (PCB) Facilities
HIST PCS ENF	Historical Enforced Permit Compliance Facilities
HIST PCS FACILITY	Historical Permit Compliance Facilities
HIST SSTS	Historical Section 7 Tracking Systems
HWC DOCKET	Hazardous Waste Compliance Docket
ICIS	Integrated Compliance Information System
INACTIVE PCS	Inactive Permit Compliance Facilities
INDIAN RESERVATION	Indian Reservations
LUCIS	Land Use Control Information Systems
LUCIS 2	Land Use Control Information Systems 2
MINES	Mines
MINES USGS	Mines list from USGS
MLTS	Material Licensing Tracking Systems
NPL AOC	Areas related to NPL remediation sites
NPL LIENS	National Priority List Liens
OSHA	Occupational Safety & Health Administration
PADS	PCB Activity Database Systems
PCB TRANSFORMER	Polychlorinated Biphenyl (PCB) Waste
PCS ENF	Enforced Permit Compliance Facilities

**OTHER ASCERTAINABLE RECORDS (cont.)**

PCS FACILITY	Permit Compliance Facilities
RAATS	RCRA Administrative Action Tracking Systems
RADINFO	Radiation Information Systems
RMP	Risk Management Plans
ROD	Record of Decision
SCRD DRYCLEANERS	SCRD Drycleaners
SEMS_SMELTER	Sites on SEMS Potential Smelter Activity
SSTS	Section 7 Tracking Systems
STORMWATER	Storm Water Permits
TOSCA-PLANT	Toxic Substance Control Act: Plants
TRIS	Toxic Release Inventory Systems
UMTRA	Uranium Mill Tailing Sites
VAPOR	EPA Vapor Intrusion
AOC_SAN GABRIEL VALLEY - CA	San Gabriel Valley Superfund
BOND EXPENDITURE PLAN - CA	Bond Expenditure Plan
BP HW OUT_VENTURA COUNTY - CA	Ventura County Business Plan Hazardous Waste Producers and Operating Underground Tanks
BUSINESS INVENTORY_SAN MATEO COUNTY - CA	San Mateo County List of Underground Storage Tanks, Hazardous Materials, Business Plans, and Hazardous Waste Generators
CALEPA SITES - CA	CalEPA Regulated Sites
CIWQS - CA	California Integrated Water Quality System
CIWQS 2 - CA	California Integrated Water Quality System
CORTESE - CA	The Hazardous Waste and Substances Sites List
CUPA_BUTTE COUNTY - CA	Butte County Certified Unified Program Agency
CUPA_FRESNO COUNTY - CA	Fresno County Certified Unified Program Agency
CUPA_PLACER COUNTY - CA	CUPA County Certified Unified Program Agency
DAYCARE - CA	Daycares
DRYCLEANERS - CA	Drycleaners
DRYCLEANERS_AMADOR COUNTY - CA	Amador County Drycleaners
DRYCLEANERS_ANTELOPE VALLEY - CA	Antelope Valley Drycleaners
DRYCLEANERS_BAY AREA - CA	Bay Area Drycleaners
DRYCLEANERS_BUTTE COUNTY - CA	Butte County Drycleaners
DRYCLEANERS_CALAVERAS COUNTY - CA	Calaveras County Drycleaners
DRYCLEANERS_COLUSA COUNTY - CA	Colusa County Drycleaners
DRYCLEANERS_EASTERN KERN COUNTY - CA	Eastern Kern County Drycleaners
DRYCLEANERS_EL DORADO COUNTY - CA	El Dorado County Drycleaners
DRYCLEANERS_FEATHER RIVER - CA	Feather River Drycleaners
DRYCLEANERS_GLENN COUNTY - CA	Glenn County Drycleaners
DRYCLEANERS_GREAT BASIN UNIFIED - CA	Great Basin Unified Drycleaners
DRYCLEANERS_IMPERIAL COUNTY - CA	Imperial County Drycleaners
DRYCLEANERS_LAKE COUNTY - CA	Lake County Drycleaners
DRYCLEANERS_LASSEN COUNTY - CA	Lassen County Drycleaners
DRYCLEANERS_MENDOCINO COUNTY - CA	Mendocino County Drycleaners
DRYCLEANERS_MOJAVE DESERT - CA	Mojave Desert Drycleaners
DRYCLEANERS_MONTEREY BAY - CA	Monterey Bay Drycleaners
DRYCLEANERS_NORTH COAST UNIFIED - CA	North Coast Unified Drycleaners
DRYCLEANERS_NORTHERN SIERRA - CA	Northern Sierra Drycleaners
DRYCLEANERS_NORTHERN SONOMA COUNTY - CA	Northern Sonoma County Drycleaners
DRYCLEANERS_PLACER COUNTY - CA	Placer County Drycleaners
DRYCLEANERS_SACRAMENTO COUNTY - CA	Sacramento County Drycleaners
DRYCLEANERS_SAN DIEGO COUNTY - CA	San Diego County Drycleaners
DRYCLEANERS_SAN JOAQUIN VALLEY - CA	San Joaquin Valley Drycleaners
DRYCLEANERS_SAN LUIS OBISPO - CA	San Luis Obispo Drycleaners
DRYCLEANERS_SANTA BARBARA COUNTY - CA	Santa Barbara Drycleaners
DRYCLEANERS_SHASTA COUNTY - CA	Shasta County Drycleaner
DRYCLEANERS_SISKIYOU COUNTY - CA	Siskiyou County Drycleaners

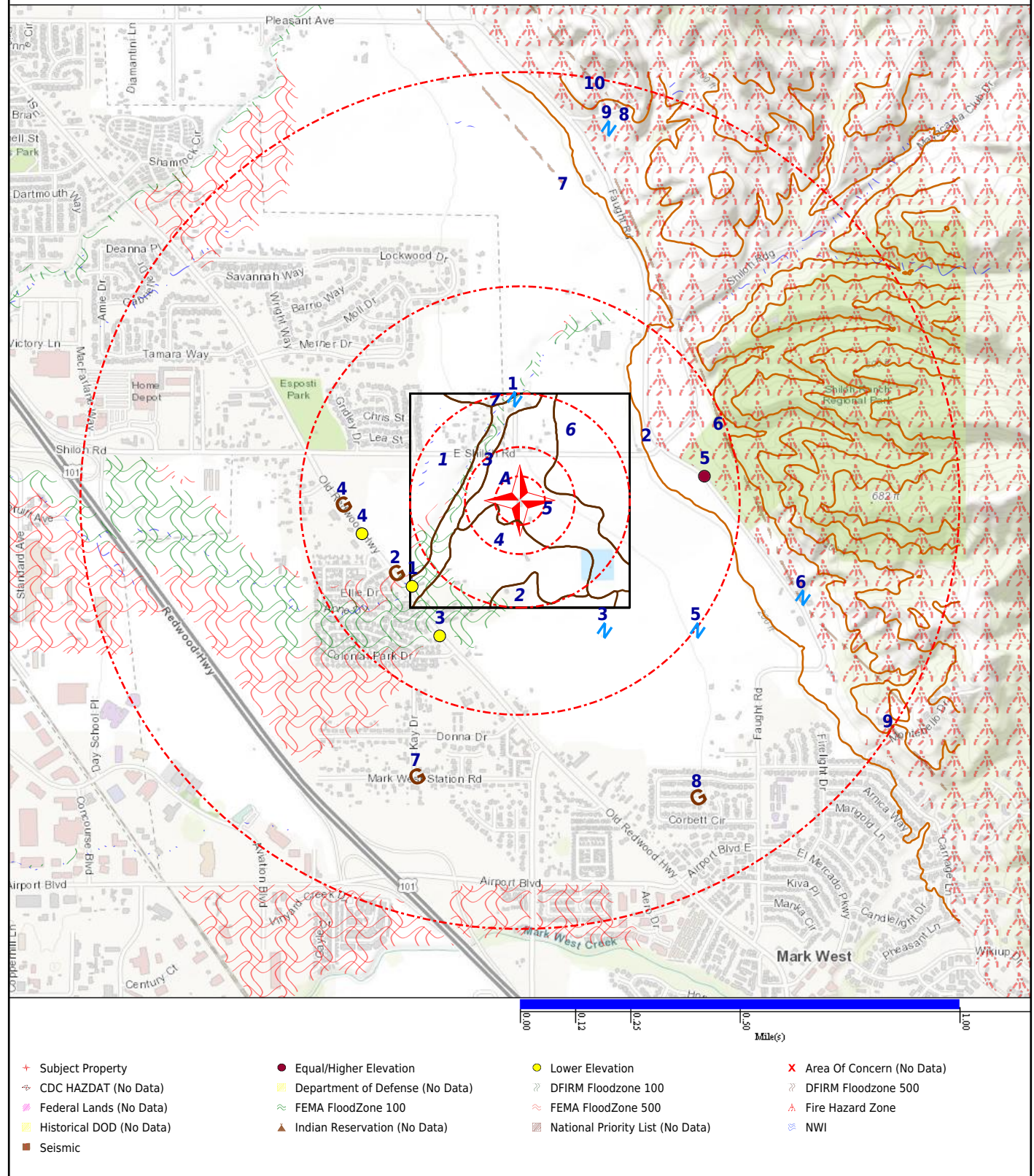
**OTHER ASCERTAINABLE RECORDS (cont.)**

DRYCLEANERS_SOUTH COAST - CA	South Coast Drycleaners
DRYCLEANERS_TEHAMA COUNTY - CA	Tehama County Drycleaners
DRYCLEANERS_TUOLUMNE COUNTY - CA	Tuolumne County Drycleaners
DRYCLEANERS_VENTURA COUNTY - CA	Ventura County Drycleaners
DRYCLEANERS_YOLO-SOLANO COUNTIES - CA	Yolo and Solano Counties Drycleaners
EMI - CA	Emissions Inventory Data
FA - CA	Financial Assurance
FA 2 - CA	Financial Assurance for Solid Waste Facilities
GCC_SANTA CLARA VALLEY - CA	Santa Clara Valley Groundwater Contamination Cleanups
HAZMAT INCIDENT_CONTRA COSTA COUNTY - CA	Contra Costa County Hazardous Materials Incident list
HAZMAT_CITY OF SAN JOSE - CA	City of San Jose Hazardous Material Facilities
HAZMAT_SACRAMENTO COUNTY - CA	Sacramento County Master Hazardous Materials Facility list
HAZMAT_SAN BERNARDINO COUNTY - CA	San Bernardino County Hazardous Material Permits
HAZMAT_SAN DIEGO COUNTY - CA	Hazardous Materials Management Division Database
HAZMAT_SANTA CLARA COUNTY - CA	Santa Clara County Hazardous Material Facilities
HAZNET - CA	Hazardous Waste Manifests
HAZWASTE_ORANGE COUNTY - CA	Orange County hazardous waste facilities
HIST CORTÈSE - CA	The Historical Hazardous Waste and Substances Sites List
HIST HAZNET - CA	Historical Hazardous Waste Manifests
HIST HMS_LOS ANGELES COUNTY - CA	Historical Los Angeles County Street Number List
HIST HWP - CA	Historical EnviroStor Permitted Facilities
HIST LDS - CA	Historical Land Disposal Sites
HIST MCS - CA	Historical Military Cleanup Sites
HIST NFA - CA	Historical No Further Action Sites
HMS_LOS ANGELES COUNTY - CA	Los Angeles County Street Number List
HWM COMMERCIAL FACILITIES - CA	Hazardous Waste Management Commercial Facilities
HWP - CA	EnviroStor Permitted Facilities
HWT - CA	Hazardous Waste Transporters
LDS - CA	Land Disposal Sites
LOP_SANTA CLARA COUNTY - CA	Santa Clara County Local Oversight Program
MCS - CA	Military Cleanup Sites
MWMP - CA	Medical Waste Management Program
MWMP 2 - CA	Medical Waste Management Program
NFA - CA	No Further Action Sites
NFE - CA	Unconfirmed contaminated properties
NPDES - CA	State Wastewater and NPDES Permits
PERCHLORATE 2 - CA	Perchlorate contaminated sites
PROPOSITION 65 - CA	Proposition 65 Records
RFR - CA	Regulated Facility Report
SITES INVENTORY_VENTURA COUNTY - CA	Ventura County Inventory of Closed Illegal Abandoned and Inactive Sites
SMU_SANTA BARBARA COUNTY - CA	Site Mitigation Unit Sites
SWAT - CA	SWAT Reports Summary Data
VCCP_VENTURA COUNTY - CA	Ventura County County Cleanup Program
WDS - CA	Waste Discharge System
WILDLANDS - CA	Preserves List
WIP - CA	Well Investigation Program



SUBJECT NAME: 222 E. Shiloh Rd.  
 ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
 LAT/LONG: 38.524086 / -122.770414

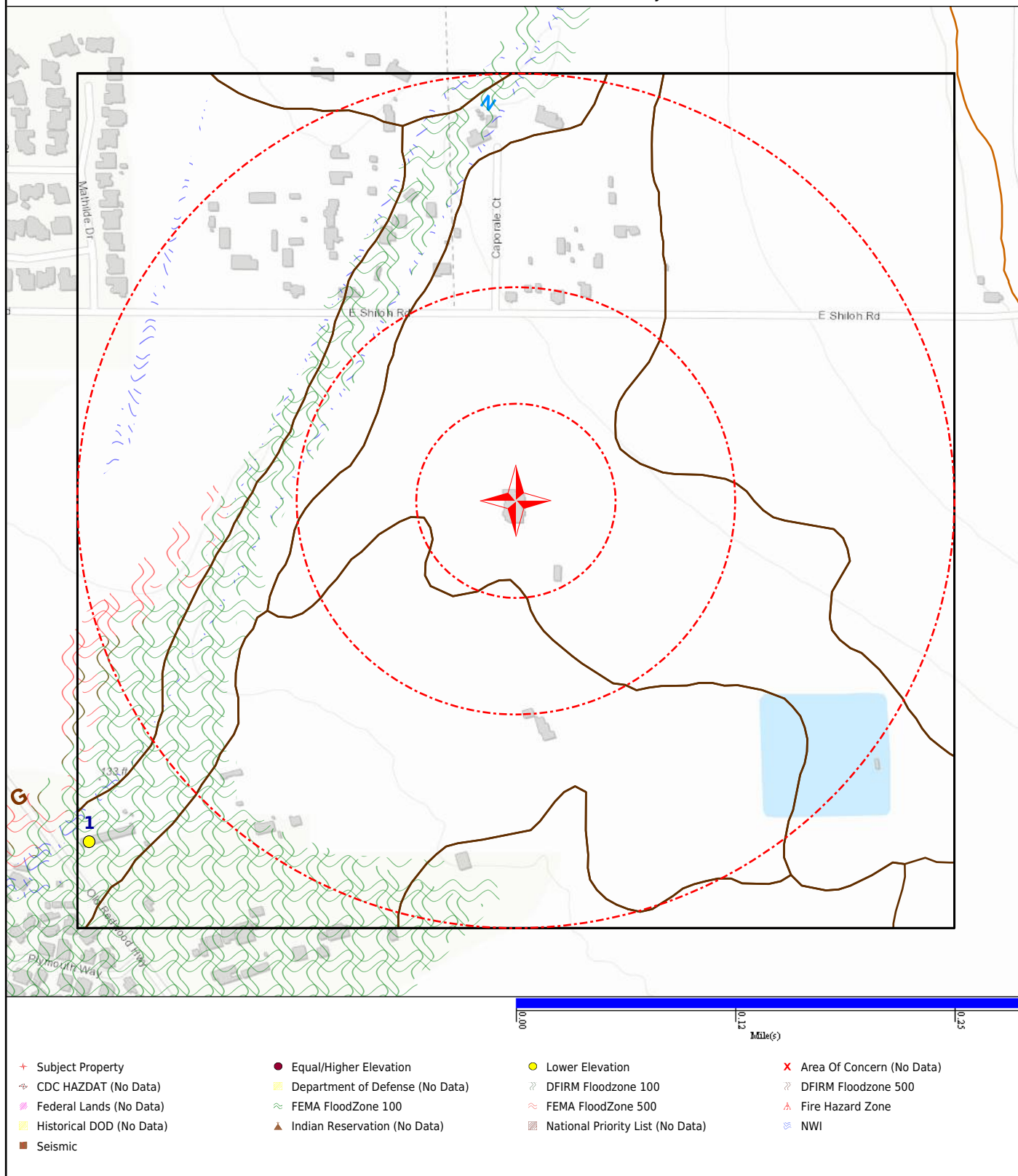
PREPARED FOR: Environmental Science Associates  
 ORDER #: 56247  
 REPORT DATE: June 07, 2021





SUBJECT NAME: 222 E. Shiloh Rd.  
 ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
 LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
 ORDER #: 56247  
 REPORT DATE: June 07, 2021



<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
<b>FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST</b>								
ARCHIVED RCRA TSDF		0.500	0	0	0	--	--	0
RCRA_TSDF		0.500	0	0	0	--	--	0
<b>FEDERAL CERCLIS LIST</b>								
CERCLIS NFRAP		0.500	0	0	0	--	--	0
CERCLIS-HIST		0.500	0	0	0	--	--	0
FEDERAL FACILITY		1.000	0	0	0	0	--	0
SEMS_8R_ACTIVE SITES		0.500	0	0	0	--	--	0
SEMS_8R_ARCHIVED SITES		0.500	0	0	0	--	--	0
<b>FEDERAL RCRA CORRACTS FACILITIES LIST</b>								
CORRACTS		1.000	0	0	0	0	--	0
HIST CORRACTS 2		1.000	0	0	0	0	--	0
<b>FEDERAL DELISTED NPL SITE LIST</b>								
DELISTED NPL		1.000	0	0	0	0	--	0
DELISTED PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_DELETED NPL		1.000	0	0	0	0	--	0
<b>FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS</b>								
EPA LF MOP		0.500	0	0	0	--	--	0
<b>FEDERAL ERNS LIST</b>								
ERNS		SP	0	--	--	--	--	0
<b>FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES</b>								
FED E C		0.500	0	0	0	--	--	0
FED I C		0.500	0	0	0	--	--	0
RCRA IC_EC		0.250	0	0	--	--	--	0
<b>FEDERAL RCRA GENERATORS LIST</b>								
HIST RCRA_CESQG		0.250	0	0	--	--	--	0
HIST RCRA_LQG		0.250	0	0	--	--	--	0
HIST RCRA_NONGEN		0.250	0	0	--	--	--	0
HIST RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_LQG		0.250	0	0	--	--	--	0
RCRA_NONGEN		0.250	0	0	--	--	--	0
RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_VSQG		0.250	0	0	--	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
<b>FEDERAL NPL SITE LIST</b>								
NPL		1.000	0	0	0	0	--	0
NPL EPA R1 GIS		1.000	0	0	0	0	--	0
NPL EPA R3 GIS		1.000	0	0	0	0	--	0
NPL EPA R6 GIS		1.000	0	0	0	0	--	0
NPL EPA R8 GIS		1.000	0	0	0	0	--	0
NPL EPA R9 GIS		1.000	0	0	0	0	--	0
PART NPL		1.000	0	0	0	0	--	0
PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_FINAL NPL		1.000	0	0	0	0	--	0
SEMS_PROPOSED NPL		1.000	0	0	0	0	--	0

**STATE AND TRIBAL REGISTERED STORAGE TANK LISTS**

FEMA UST		0.250	0	0	--	--	--	0
INDIAN UST R1		0.250	0	0	--	--	--	0
INDIAN UST R10		0.250	0	0	--	--	--	0
INDIAN UST R2		0.250	0	0	--	--	--	0
INDIAN UST R4		0.250	0	0	--	--	--	0
INDIAN UST R5		0.250	0	0	--	--	--	0
INDIAN UST R6		0.250	0	0	--	--	--	0
INDIAN UST R7		0.250	0	0	--	--	--	0
INDIAN UST R8		0.250	0	0	--	--	--	0
INDIAN UST R9		0.250	0	0	--	--	--	0
AST - CA		0.250	0	0	--	--	--	0
AST_KERN COUNTY - CA		0.250	0	0	--	--	--	0
AST_ORANGE COUNTY - CA		0.250	0	0	--	--	--	0
AST_PLACER COUNTY - CA		0.250	0	0	--	--	--	0
AST_YOLO COUNTY - CA		0.250	0	0	--	--	--	0
CLOSED UST_VENTURA COUNTY - CA		0.250	0	0	--	--	--	0
FID UST - CA		0.250	0	0	--	--	--	0
HIST AST - CA		0.250	0	0	--	--	--	0
HIST UST - CA		0.250	0	0	--	--	--	0
HIST UST_EL SEGUNDO CITY - CA		0.250	0	0	--	--	--	0
HIST UST_KERN COUNTY - CA		0.250	0	0	--	--	--	0
HIST UST_SUTTER COUNTY - CA		0.250	0	0	--	--	--	0
TANKS_CONTRA COSTA COUNTY - CA		0.250	0	0	--	--	--	0
UST - CA		0.250	0	0	--	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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**STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)**

UST_ALAMEDA COUNTY - CA		0.250	0	0	--	--	--	0
UST_CITY OF LONG BEACH - CA		0.250	0	0	--	--	--	0
UST_CITY OF TORRANCE - CA		0.250	0	0	--	--	--	0
UST_EL SEGUNDO CITY - CA		0.250	0	0	--	--	--	0
UST_KERN COUNTY - CA		0.250	0	0	--	--	--	0
UST_MARIN COUNTY - CA		0.250	0	0	--	--	--	0
UST_MENDOCINO COUNTY - CA		0.250	0	0	--	--	--	0
UST_NAPA COUNTY - CA		0.250	0	0	--	--	--	0
UST_ORANGE COUNTY - CA		0.250	0	0	--	--	--	0
UST_PLACER COUNTY - CA		0.250	0	0	--	--	--	0
UST_RIVERSIDE COUNTY - CA		0.250	0	0	--	--	--	0
UST_SAN FRANCISCO COUNTY - CA		0.250	0	0	--	--	--	0
UST_SAN JOAQUIN COUNTY - CA		0.250	0	0	--	--	--	0
UST_SOLANO COUNTY - CA		0.250	0	0	--	--	--	0
UST_SUTTER COUNTY - CA		0.250	0	0	--	--	--	0
UST_YOLO COUNTY - CA		0.250	0	0	--	--	--	0

**STATE- AND TRIBAL - EQUIVALENT CERCLIS**

ENVIROSTOR - CA		1.000	0	0	0	0	--	0
HIST TOXIC PITS - CA		1.000	0	0	0	0	--	0
OIL & GAS CLEANUP - CA		0.500	0	0	0	--	--	0
SWRCB CLEANUP - CA		0.500	0	0	0	--	--	0
SWRCB NON_CASE - CA		0.500	0	0	0	--	--	0
TOXIC PITS - CA		1.000	0	0	0	0	--	0

**STATE AND TRIBAL LEAKING STORAGE TANK LISTS**

INDIAN LUST R1		0.500	0	0	0	--	--	0
INDIAN LUST R10		0.500	0	0	0	--	--	0
INDIAN LUST R2		0.500	0	0	0	--	--	0
INDIAN LUST R4		0.500	0	0	0	--	--	0
INDIAN LUST R5		0.500	0	0	0	--	--	0
INDIAN LUST R6		0.500	0	0	0	--	--	0
INDIAN LUST R7		0.500	0	0	0	--	--	0
INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R9		0.500	0	0	0	--	--	0
HIST LUST_SONOMA COUNTY - CA		0.500	0	0	0	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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**STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)**

LUFT_ALAMEDA COUNTY - CA		0.500	0	0	0	--	--	0
LUST ORANGE COUNTY - CA		0.500	0	0	0	--	--	0
LUST REG 1 - CA		0.500	0	0	2	--	--	2
LUST REG 2 - CA		0.500	0	0	0	--	--	0
LUST REG 3 - CA		0.500	0	0	0	--	--	0
LUST REG 4 - CA		0.500	0	0	0	--	--	0
LUST REG 5 - CA		0.500	0	0	0	--	--	0
LUST REG 6 - CA		0.500	0	0	0	--	--	0
LUST REG 7 - CA		0.500	0	0	0	--	--	0
LUST REG 8 - CA		0.500	0	0	0	--	--	0
LUST REG 9 - CA		0.500	0	0	0	--	--	0
LUST_HAZMAT_YOLO COUNTY - CA		0.500	0	0	0	--	--	0
LUST_KERN COUNTY - CA		0.500	0	0	0	--	--	0
LUST_RIVERSIDE COUNTY - CA		0.500	0	0	0	--	--	0
LUST_SAN FRANCISCO COUNTY - CA		0.500	0	0	0	--	--	0
LUST_SAN MATEO COUNTY - CA		0.500	0	0	0	--	--	0
LUST_SOLANO COUNTY - CA		0.500	0	0	0	--	--	0
LUST_SONOMA COUNTY - CA		0.500	0	0	2	--	--	2
LUST_SUTTER COUNTY - CA		0.500	0	0	0	--	--	0
LUST_VENTURA COUNTY - CA		0.500	0	0	0	--	--	0
SLIC REG 1 - CA		0.500	0	0	1	--	--	1
SLIC REG 2 - CA		0.500	0	0	0	--	--	0
SLIC REG 3 - CA		0.500	0	0	0	--	--	0
SLIC REG 4 - CA		0.500	0	0	0	--	--	0
SLIC REG 5 - CA		0.500	0	0	0	--	--	0
SLIC REG 6 - CA		0.500	0	0	0	--	--	0
SLIC REG 7 - CA		0.500	0	0	0	--	--	0
SLIC REG 8 - CA		0.500	0	0	0	--	--	0
SLIC REG 9 - CA		0.500	0	0	0	--	--	0
SLIC_ALAMEDA COUNTY - CA		0.500	0	0	0	--	--	0

**STATE- AND TRIBAL - EQUIVALENT NPL**

HIST RESPONSE - CA		1.000	0	0	0	0	--	0
RESPONSE - CA		1.000	0	0	0	0	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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**STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

HIST SWF/LF - CA		0.500	0	0	0	--	--	0
SWF/LF - CA		0.500	0	0	1	--	--	1

**STATE RCRA GENERATORS LIST**

HWG - CA		0.250	0	0	--	--	--	0
HWG_YOLO COUNTY - CA		0.250	0	0	--	--	--	0

**STATE AND TRIBAL BROWNFIELD SITES**

TRIBAL BROWNFIELDS		0.500	0	0	0	--	--	0
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**STATE AND TRIBAL VOLUNTARY CLEANUP SITES**

VCP - CA		0.500	0	0	0	--	--	0
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**LOCAL BROWNFIELD LISTS**

BROWNFIELDS-ACRES		0.500	0	0	0	--	--	0
FED BROWNFIELDS		0.500	0	0	0	--	--	0

**LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES**

FED CDL		SP	0	--	--	--	--	0
US HIST CDL		SP	0	--	--	--	--	0
CALARP_KERN COUNTY - CA		0.250	0	0	--	--	--	0
CASE LIST_SAN DIEGO COUNTY - CA		0.500	0	0	0	--	--	0
CDL - CA		SP	0	--	--	--	--	0
CORRECTIVE ACTION_RIVERSIDE COUNTY - CA		1.000	0	0	0	0	--	0
CS_NAPA COUNTY - CA		0.500	0	0	0	--	--	0
CS_PLACER COUNTY - CA		1.000	0	0	0	0	--	0
SCH - CA		0.250	0	0	--	--	--	0
SITE LIST_CONTRA COSTA COUNTY - CA		0.250	0	0	--	--	--	0
TOXIC SITE_SACRAMENTO COUNTY - CA		1.000	0	0	0	0	--	0

**RECORDS OF EMERGENCY RELEASE REPORTS**

HMIRS (DOT)		SP	0	--	--	--	--	0
CHMIRS - CA		SP	0	--	--	--	--	0
HIST CHMIRS - CA		SP	0	--	--	--	--	0
INDUSTRIAL CLEANUP_ORANGE COUNTY - CA		0.125	0	--	--	--	--	0
SML_LOS ANGELES COUNTY - CA		0.125	0	--	--	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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**LOCAL LAND RECORDS**

LIENS 2		SP	0	--	--	--	--	0
DEED - CA		0.500	0	0	0	--	--	0
HIST LIENS - CA		SP	0	--	--	--	--	0
LIENS - CA		SP	0	--	--	--	--	0

**LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES**

HIST INDIAN ODI R8		0.500	0	0	0	--	--	0
INDIAN ODI R8		0.500	0	0	0	--	--	0
ODI		0.500	0	0	0	--	--	0
TRIBAL ODI		0.500	0	0	0	--	--	0
HAULERS - CA		0.500	0	0	0	--	--	0
LF_SAN DIEGO COUNTY - CA		0.500	0	0	0	--	--	0
SWF_LOS ANGELES COUNTY - CA		0.500	0	0	0	--	--	0
SWRCY - CA		0.500	0	0	0	--	--	0

**OTHER ASCERTAINABLE RECORDS**

AFS		SP	0	--	--	--	--	0
ALT FUELING		0.250	0	0	--	--	--	0
AST PBS		0.250	0	0	--	--	--	0
BRS		SP	0	--	--	--	--	0
CDC HAZDAT		1.000	0	0	0	0	--	0
COAL ASH DOE		0.500	0	0	0	--	--	0
COAL ASH EPA		0.500	0	0	0	--	--	0
COAL GAS		1.000	0	0	0	0	--	0
CONSENT (DECREEES)		1.000	0	0	0	0	--	0
CORRECTIVE ACTIONS_2020		0.500	0	0	0	--	--	0
DEBRIS EPA LF		0.500	0	0	0	--	--	0
DEBRIS EPA SWRCY		0.500	0	0	0	--	--	0
DOD		1.000	0	0	0	0	--	0
DOT OPS		SP	0	--	--	--	--	0
ECHO		SP	0	--	--	--	--	0
ENOI		SP	0	--	--	--	--	0
EPA FUELS		SP	0	--	--	--	--	0
EPA OSC		0.125	0	--	--	--	--	0
EPA WATCH		SP	0	--	--	--	--	0
FA HWF		SP	0	--	--	--	--	0
FEDLAND		1.000	0	0	0	0	--	0



<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
<b>OTHER ASCERTAINABLE RECORDS (cont.)</b>								
FRS		SP	0	--	--	--	--	0
FTTS		SP	0	--	--	--	--	0
FTTS INSP		SP	0	--	--	--	--	0
FUDS		1.000	0	0	0	0	--	0
HIST AFS		SP	0	--	--	--	--	0
HIST AFS 2		SP	0	--	--	--	--	0
HIST DOD		1.000	0	0	0	0	--	0
HIST LEAD_SMELTER		SP	0	--	--	--	--	0
HIST MLTS		SP	0	--	--	--	--	0
HIST PCB TRANS		SP	0	--	--	--	--	0
HIST PCS ENF		SP	0	--	--	--	--	0
HIST PCS FACILITY		SP	0	--	--	--	--	0
HIST SSTS		SP	0	--	--	--	--	0
HWC DOCKET		SP	0	--	--	--	--	0
ICIS		SP	0	--	--	--	--	0
INACTIVE PCS		SP	0	--	--	--	--	0
INDIAN RESERVATION		1.000	0	0	0	0	--	0
LUCIS		0.500	0	0	0	--	--	0
LUCIS 2		0.500	0	0	0	--	--	0
MINES		0.250	0	0	--	--	--	0
MINES USGS		0.250	0	0	--	--	--	0
MLTS		SP	0	--	--	--	--	0
NPL AOC		1.000	0	0	0	0	--	0
NPL LIENS		SP	0	--	--	--	--	0
OSHA		SP	0	--	--	--	--	0
PADS		SP	0	--	--	--	--	0
PCB TRANSFORMER		SP	0	--	--	--	--	0
PCS ENF		SP	0	--	--	--	--	0
PCS FACILITY		SP	0	--	--	--	--	0
RAATS		SP	0	--	--	--	--	0
RADINFO		SP	0	--	--	--	--	0
RMP		0.500	0	0	0	--	--	0
ROD		1.000	0	0	0	0	--	0
SCRD DRYCLEANERS		0.250	0	0	--	--	--	0
SEMS_SMELTER		SP	0	--	--	--	--	0
SSTS		SP	0	--	--	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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## OTHER ASCERTAINABLE RECORDS (cont.)

STORMWATER		SP	0	--	--	--	--	0
TOSCA-PLANT		SP	0	--	--	--	--	0
TRIS		SP	0	--	--	--	--	0
UMTRA		0.500	0	0	0	--	--	0
VAPOR		0.500	0	0	0	--	--	0
AOC_SAN GABRIEL VALLEY - CA		1.000	0	0	0	0	--	0
BOND EXPENDITURE PLAN - CA		1.000	0	0	0	0	--	0
BP HW OUT_VENTURA COUNTY - CA		0.250	0	0	--	--	--	0
BUSINESS INVENTORY_SAN MATEO COUNTY - CA		0.250	0	0	--	--	--	0
CALEPA SITES - CA		0.250	0	0	--	--	--	0
CIWQS - CA		SP	0	--	--	--	--	0
CIWQS 2 - CA		SP	0	--	--	--	--	0
CORTESE - CA		0.500	0	0	0	--	--	0
CUPA_BUTTE COUNTY - CA		0.250	0	0	--	--	--	0
CUPA_FRESNO COUNTY - CA		0.250	0	0	--	--	--	0
CUPA_PLACER COUNTY - CA		0.250	0	0	--	--	--	0
DAYCARE - CA		SP	0	--	--	--	--	0
DRYCLEANERS - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_AMADOR COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_ANTELOPE VALLEY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_BAY AREA - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_BUTTE COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_CALAVERAS COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_COLUSA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_EASTERN KERN COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_EL DORADO COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_FEATHER RIVER - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_GLENN COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_GREAT BASIN UNIFIED - CA		0.250	0	0	--	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
<b>OTHER ASCERTAINABLE RECORDS (cont.)</b>								
DRYCLEANERS_IMPERIAL COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_LAKE COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_LASSEN COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_MENDOCINO COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_MOJAVE DESERT - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_MONTEREY BAY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_NORTH COAST UNIFIED - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_NORTHERN SIERRA - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_NORTHERN SONOMA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_PLACER COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SACRAMENTO COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SAN DIEGO COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SAN JOAQUIN VALLEY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SAN LUIS OBISPO - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SANTA BARBARA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SHASTA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SISKIYOU COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SOUTH COAST - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_TEHAMA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_TUOLUMNE COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_VENTURA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_YOLO-SOLANO COUNTIES - CA		0.250	0	0	--	--	--	0
EMI - CA		SP	0	--	--	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
<b>OTHER ASCERTAINABLE RECORDS (cont.)</b>								
FA - CA		SP	0	--	--	--	--	0
FA 2 - CA		SP	0	--	--	--	--	0
GCC_SANTA CLARA VALLEY - CA		0.500	0	0	0	--	--	0
HAZMAT INCIDENT_CONTRA COSTA COUNTY - CA		0.250	0	0	--	--	--	0
HAZMAT_CITY OF SAN JOSE - CA		0.250	0	0	--	--	--	0
HAZMAT_SACRAMENTO COUNTY - CA		0.250	0	0	--	--	--	0
HAZMAT_SAN BERNARDINO COUNTY - CA		0.250	0	0	--	--	--	0
HAZMAT_SAN DIEGO COUNTY - CA		0.250	0	0	--	--	--	0
HAZMAT_SANTA CLARA COUNTY - CA		0.250	0	0	--	--	--	0
HAZNET - CA		0.250	0	0	--	--	--	0
HAZWASTE_ORANGE COUNTY - CA		0.500	0	0	0	--	--	0
HIGH FIRE - CA		1.000	0	0	1	0	--	1
HIST CORTESE - CA		0.500	0	0	0	--	--	0
HIST HAZNET - CA		0.250	0	0	--	--	--	0
HIST HMS_LOS ANGELES COUNTY - CA		0.250	0	0	--	--	--	0
HIST HWP - CA		1.000	0	0	0	0	--	0
HIST LDS - CA		0.500	0	0	0	--	--	0
HIST MCS - CA		1.000	0	0	0	0	--	0
HIST NFA - CA		0.500	0	0	0	--	--	0
HMS_LOS ANGELES COUNTY - CA		0.250	0	0	--	--	--	0
HWM COMMERCIAL FACILITIES - CA		0.250	0	0	--	--	--	0
HWP - CA		1.000	0	0	0	0	--	0
HWT - CA		0.250	0	0	--	--	--	0
LDS - CA		0.500	0	0	0	--	--	0
LOP_SANTA CLARA COUNTY - CA		0.500	0	0	0	--	--	0
MCS - CA		1.000	0	0	0	0	--	0
MWMP - CA		0.250	0	0	--	--	--	0
MWMP 2 - CA		0.250	0	0	--	--	--	0
NFA - CA		0.500	0	0	0	--	--	0
NFE - CA		0.500	0	0	0	--	--	0
NPDES - CA		SP	0	--	--	--	--	0

<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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**OTHER ASCERTAINABLE RECORDS (cont.)**

PERCHLORATE 2 - CA		0.500	0	0	0	--	--	0
PROPOSITION 65 - CA		1.000	0	0	0	0	--	0
RFR - CA		SP	0	--	--	--	--	0
SITES INVENTORY_VENTURA COUNTY - CA		1.000	0	0	0	0	--	0
SMU_SANTA BARBARA COUNTY - CA		1.000	0	0	0	0	--	0
SWAT - CA		SP	0	--	--	--	--	0
VCCP_VENTURA COUNTY - CA		0.500	0	0	0	--	--	0
WDS - CA		SP	0	--	--	--	--	0
WILDLANDS - CA		1.000	0	0	0	0	--	0
WIP - CA		0.250	0	0	--	--	--	0

**OTHER**

SEISMIC - CA		1.000	0	0	1	4	--	5
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Map Id: 1  
 Direction: WSW  
 Distance: 0.314 mi., 1658 ft.  
 Elevation: 135 ft.  
 Relative: Lower

**Site Name :** HELLER, ROBERT | HELLERNA ROBERT  
 445 HEMBREE LANE  
 SANTA ROSA, CA 95403  
**Database(s) :** [CALEPA SITES - CA, FRS, SLIC REG 1 - CA]

**EnviroSite ID:** 333935  
**EPA ID:** N/R

## CALEPA SITES - CA

Facility Name : HELLER, ROBERT  
 Facility Address : 445 HEMBREE LANE, SANTA ROSA, 95403  
  
 Site ID : 195280  
 EI ID : T0609793137  
 EI Description : Cleanup Program Site  
 Latitude : 38.521200  
 Longitude : -122.774900  
 Agency Hyperlink : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-04-29

## FRS

Facility Name : HELLERNA ROBERT  
 Facility Address : 445 HEMBREE LANE, SANTA ROSA, CA 95403  
 County : SONOMA

### Site Details

Registry ID : 110066432523  
 FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-05-03

### Source Description

#### Source Description :

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).

### FRS Environmental Interest

Source and System ID : CA-ENVIROVIEW - 195280

## SLIC REG 1 - CA

Facility Name : HELLER, ROBERT  
 Facility Address : 445 HEMBREE LANE, SANTA ROSA, CA 95403  
 County : Sonoma

### Site Details

Status Date : 1989-09-25  
 Status : Completed - Case Closed  
 Begin Date : 1989-08-17  
 Global ID : T0609793137  
 Region : REGION 1

Map Id: 1  
 Direction: WSW  
 Distance: 0.314 mi., 1658 ft.  
 Elevation: 135 ft.  
 Relative: Lower

**Site Name :** HELLER, ROBERT | HELLERNA ROBERT  
 445 HEMBREE LANE  
 SANTA ROSA, CA 95403  
**Database(s) :** [CALEPA SITES - CA, FRS, SLIC REG 1 - CA] **(cont.)**

**Envirosite ID:** 333935  
**EPA ID:** N/R

## SLIC REG 1 - CA **(cont.)**

Site History :	N/R
RB Case Number :	1NSO318
Potential Media Affected :	Soil
Potential Contaminants of Concern :	Gasoline
Local Agency :	SONOMA COUNTY
Local Case Number :	N/R
Lead Agency :	NORTH COAST RWQCB (REGION 1)
File Location :	Regional Board
CUF Case :	NO
Caseworker :	ZZZ
Case Type :	Cleanup Program Site
How Discovered :	Other Means
How Discovered Description :	N/R
Stop Method :	N/R
Stop Description :	N/R
Calwater Watershed Name :	Russian River - Middle Russian River - Mark West (114.23)
DWR Groundwater Subbasin Name :	Santa Rosa Valley - Santa Rosa Plain (1-055.01)
Disadvantaged Community :	N/R
Latitude :	38.5212
Longitude :	-122.7749
Agency URL :	<a href="#">Click here for hyperlink provided by the agency.</a>
Last Date in Agency List :	2021-05-27

## Contacts Summary

Global ID :	T0609793137
Contact Name :	REGIONAL WATER BOARD SITE CLOSED
Contact Type :	Regional Board Caseworker
Organization Name :	NORTH COAST RWQCB (REGION 1)
Address :	5550 SKYLANE BOULEVARD, SUITE A
City :	SANTA ROSA
Phone Number :	7075762220
Email :	N/R

Global ID :	T0609793137
Contact Name :	ENVIRON HEALTH STAFF (NON LOP-RB1)
Contact Type :	Local Agency Caseworker
Organization Name :	SONOMA COUNTY
Address :	625 5th Street
City :	SANTA ROSA
Phone Number :	N/R
Email :	N/R

## Regulatory Activities

Date :	1990-01-26
Global ID :	T0609793137
Action Type :	ENFORCEMENT
Action :	* Historical Enforcement

Date :	1989-08-17
Global ID :	T0609793137



Map Id: 1  
 Direction: WSW  
 Distance: 0.314 mi., 1658 ft.  
 Elevation: 135 ft.  
 Relative: Lower

**Site Name :** HELLER, ROBERT | HELLERNA ROBERT  
 445 HEMBREE LANE  
 SANTA ROSA, CA 95403  
**Database(s) :** [CALEPA SITES - CA, FRS, SLIC REG 1 - CA] **(cont.)**

**EnviroSite ID:** 333935  
**EPA ID:** N/R

## SLIC REG 1 - CA **(cont.)**

Action Type : Other  
 Action : Leak Discovery

Date : 1989-08-17  
 Global ID : T0609793137  
 Action Type : Other  
 Action : Leak Reported

### Status History

Status Date : 1989-09-25  
 Global ID : T0609793137  
 Status : Completed - Case Closed

Status Date : 1989-09-25  
 Global ID : T0609793137  
 Status : Open - Verification Monitoring

Status Date : 1989-09-25  
 Global ID : T0609793137  
 Status : Open - Site Assessment

Status Date : 1989-09-25  
 Global ID : T0609793137  
 Status : Open - Remediation

Status Date : 1989-09-24  
 Global ID : T0609793137  
 Status : Open - Site Assessment

Status Date : 1989-08-17  
 Global ID : T0609793137  
 Status : Open - Case Begin Date

Map Id: 2  
 Direction: ENE  
 Distance: 0.326 mi., 1722 ft.  
 Elevation: N/R  
 Relative: N/R

**Site Name :** N/R  
 38.6901721, -122.73525518  
 CA  
**Database(s) :** [HIGH FIRE - CA]

**EnviroSite ID:** 24275752  
**EPA ID:** N/R

## HIGH FIRE - CA

State Responsibility Areas : Yes

Map Id: 2  
 Direction: ENE  
 Distance: 0.326 mi., 1722 ft.  
 Elevation: N/R  
 Relative: N/R

**Site Name :** N/R  
 38.6901721, -122.73525518  
 CA  
**Database(s) :** [HIGH FIRE - CA] (**cont.**)

**Envirosite ID:** 24275752  
**EPA ID:** N/R

## HIGH FIRE - CA (**cont.**)

Haz Code : 1  
 Haz Class : Moderate

Map Id: 3  
 Direction: SW  
 Distance: 0.363 mi., 1916 ft.  
 Elevation: 134 ft.  
 Relative: Lower

**Site Name :** Colonial Park, Inc. | Colonial Park Creek  
 Maintenance Project | COLONIAL PARKNA  
 INC.  
 5645 OLD REDWOOD HWY N | 5645 OLD  
 REDWOOD  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [CALEPA SITES - CA, CIWQS - CA, FRS,  
 LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA]

**Envirosite ID:** 317120  
**EPA ID:** N/R

## CALEPA SITES - CA

Facility Name : Colonial Park Creek Maintenance Project  
 Facility Address : 5645 OLD REDWOOD, SANTA ROSA, 95403

Site ID : 361855  
 EI ID : 796113  
 EI Description : Wetlands - Fill and Dredge Material  
 Latitude : 38.520173  
 Longitude : -122.776526  
 Agency Hyperlink : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-04-29

Facility Name : Colonial Park, Inc.  
 Facility Address : 5645 OLD REDWOOD HWY N, SANTA ROSA, 95404

Site ID : 247707  
 EI ID : T0609700322  
 EI Description : Leaking Underground Storage Tank Cleanup Site  
 Latitude : 38.518611  
 Longitude : -122.773057  
 Agency Hyperlink : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-04-29

## CIWQS - CA

Facility Name : Colonial Park Creek Maintenance Project  
 Facility Address : 5645 Old Redwood, Santa Rosa, CA 95403  
 County : Sonoma

Place ID : 796113  
 Agency Name : Colonial Park, Inc.

Map Id: 3  
 Direction: SW  
 Distance: 0.363 mi., 1916 ft.  
 Elevation: 134 ft.  
 Relative: Lower

**Site Name :** Colonial Park, Inc. | Colonial Park Creek Maintenance Project | COLONIAL PARKNA INC.  
 5645 OLD REDWOOD HWY N | 5645 OLD REDWOOD  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [CALEPA SITES - CA, CIWQS - CA, FRS, LUST REG 1 - CA, LUST\_SONOMA COUNTY - CA] **(cont.)**

**EnviroSite ID:** 317120  
**EPA ID:** N/R

## CIWQS - CA (cont.)

Last Date in Agency List : 2020-10-30

## FRS

Facility Name : COLONIAL PARKNA INC.  
 Facility Address : 5645 OLD REDWOOD HWY N, SANTA ROSA, CA 95404  
 County : SONOMA

## Site Details

Registry ID : 110065918500  
 FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-05-03

## Source Description

### Source Description :

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).

## FRS Environmental Interest

Source and System ID : CA-ENVIROVIEW - 247707

## LUST REG 1 - CA

Facility Name : Colonial Park, Inc.  
 Facility Address : 5645 Old Redwood Hwy N, Santa Rosa, CA 95404  
 County : Sonoma

## Site Details

Status Date : 1997-05-20  
 Status : Completed - Case Closed  
 Begin Date : 1991-07-09  
 Global ID : T0609700322  
 Region : REGION 1  
 Site History : N/R  
 RB Case Number : 1TSO455  
 Potential Media Affected : Aquifer used for drinking water supply  
 Potential Contaminants of Concern : Gasoline  
 Local Agency : SONOMA COUNTY LOP  
 Local Case Number : 00004802

Map Id: 3  
 Direction: SW  
 Distance: 0.363 mi., 1916 ft.  
 Elevation: 134 ft.  
 Relative: Lower

**Site Name :** Colonial Park, Inc. | Colonial Park Creek Maintenance Project | COLONIAL PARKNA INC.  
 5645 OLD REDWOOD HWY N | 5645 OLD REDWOOD  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [CALEPA SITES - CA, CIWQS - CA, FRS, LUST REG 1 - CA, LUST\_SONOMA COUNTY - CA] **(cont.)**

**Envirosite ID:** 317120  
**EPA ID:** N/R

## LUST REG 1 - CA **(cont.)**

Lead Agency :	SONOMA COUNTY LOP
File Location :	All Files are on GeoTracker or in the Local Agency Database
CUF Case :	YES
Caseworker :	LCW
Case Type :	LUST Cleanup Site
How Discovered :	N/R
How Discovered Description :	N/R
Stop Method :	N/R
Stop Description :	N/R
Calwater Watershed Name :	Russian River - Middle Russian River - Mark West (114.23)
DWR Groundwater Subbasin Name :	Santa Rosa Valley - Santa Rosa Plain (1-055.01)
Disadvantaged Community :	N/R
Latitude :	38.518611
Longitude :	-122.773057
Agency URL :	<a href="#">Click here for hyperlink provided by the agency.</a>
Last Date in Agency List :	2021-05-27

## Contacts Summary

Global ID :	T0609700322
Contact Name :	SONOMA COUNTY LOP CLOSED SITE
Contact Type :	Regional Board Caseworker
Organization Name :	NORTH COAST RWQCB (REGION 1)
Address :	5550 SKYLANE BOULEVARD, SUITE A
City :	SANTA ROSA
Phone Number :	7075656565
Email :	N/R

Global ID :	T0609700322
Contact Name :	LOP CLOSED IN RB01
Contact Type :	Local Agency Caseworker
Organization Name :	SONOMA COUNTY LOP
Address :	625 FIFTH STREET
City :	SANTA ROSA
Phone Number :	N/R
Email :	N/R

## Regulatory Activities

Date :	1995-11-30
Global ID :	T0609700322
Action Type :	REMEDIATION
Action :	Excavation

Date :	1991-07-09
Global ID :	T0609700322
Action Type :	Other

Map Id: 3  
 Direction: SW  
 Distance: 0.363 mi., 1916 ft.  
 Elevation: 134 ft.  
 Relative: Lower

**Site Name :** Colonial Park, Inc. | Colonial Park Creek Maintenance Project | COLONIAL PARKNA INC.  
 5645 OLD REDWOOD HWY N | 5645 OLD REDWOOD  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [CALEPA SITES - CA, CIWQS - CA, FRS, LUST REG 1 - CA, LUST\_SONOMA COUNTY - CA] **(cont.)**

**Envirosite ID:** 317120  
**EPA ID:** N/R

#### LUST REG 1 - CA **(cont.)**

Action : Leak Discovery

Date : 1965-01-02  
 Global ID : T0609700322  
 Action Type : Other  
 Action : Leak Reported

#### Status History

Status Date : 1997-05-20  
 Global ID : T0609700322  
 Status : Completed - Case Closed

Status Date : 1992-03-06  
 Global ID : T0609700322  
 Status : Open - Site Assessment

Status Date : 1991-07-09  
 Global ID : T0609700322  
 Status : Open - Case Begin Date

Status Date : 1965-01-03  
 Global ID : T0609700322  
 Status : Open - Remediation

#### LUST\_SONOMA COUNTY - CA

Facility Name : COLONIAL PARK, INC.  
 Facility Address : 5645 OLD REDWOOD HWY N, SANTA ROSA, 95404  
 County : SONOMA

#### Site Details

Status Date : 1997-05-20  
 Status : COMPLETED - CASE CLOSED  
 Begin Date : 1991-07-09  
 Global ID : T0609700322  
 Facility Type : LUST CLEANUP SITE  
 RB Case Number : 1TSO455  
 Potential Media Affected : Aquifer used for drinking water supply  
 Potential Contaminants of Concern : Gasoline  
 Local Agency : SONOMA COUNTY LOP  
 Loc Case Number : 00004802  
 Lead Agency : SONOMA COUNTY LOP  
 File Location : All Files are on GeoTracker or in the Local Agency Database

Map Id: 3  
 Direction: SW  
 Distance: 0.363 mi., 1916 ft.  
 Elevation: 134 ft.  
 Relative: Lower

**Site Name :** Colonial Park, Inc. | Colonial Park Creek Maintenance Project | COLONIAL PARKNA INC.  
 5645 OLD REDWOOD HWY N | 5645 OLD REDWOOD  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [CALEPA SITES - CA, CIWQS - CA, FRS, LUST REG 1 - CA, LUST\_SONOMA COUNTY - CA] **(cont.)**

**Envirosite ID:** 317120  
**EPA ID:** N/R

#### LUST\_SONOMA COUNTY - CA **(cont.)**

CUF Case : YES  
 Caseworker : LCW  
 How Discovered : N/R  
 How Discovered Description : N/R  
 Stop Method : N/R  
 Stop Description : N/R  
 Calwater Watershed Name : Russian River - Middle Russian River - Mark West (114.23)  
 DWR Groundwater Subbasin Name : Santa Rosa Valley - Santa Rosa Plain (1-055.01)  
 Disadvantaged Community : N/R  
 Latitude : 38.518611  
 Longitude : -122.773057  
 Site History : N/R  
 Agency URL : [Click here for hyperlink provided by the agency.](#)

#### Contacts Summary

Global ID : T0609700322  
 Contact Name : SONOMA COUNTY LOP CLOSED SITE  
 Contact Type : Regional Board Caseworker  
 Organization Name : NORTH COAST RWQCB (REGION 1)  
 Address : 5550 SKYLANE BOULEVARD, SUITE A  
 City : SANTA ROSA  
 Phone Number : 7075656565  
 Email : N/R

Global ID : T0609700322  
 Contact Name : LOP CLOSED IN RB01  
 Contact Type : Local Agency Caseworker  
 Organization Name : SONOMA COUNTY LOP  
 Address : 625 FIFTH STREET  
 City : SANTA ROSA  
 Phone Number : N/R  
 Email : N/R

#### Regulatory Activities

Date : 1995-11-30  
 Global ID : T0609700322  
 Action Type : REMEDIATION  
 Action : Excavation

Date : 1991-07-09  
 Global ID : T0609700322  
 Action Type : Other  
 Action : Leak Discovery

Map Id: 3  
 Direction: SW  
 Distance: 0.363 mi., 1916 ft.  
 Elevation: 134 ft.  
 Relative: Lower

**Site Name :** Colonial Park, Inc. | Colonial Park Creek Maintenance Project | COLONIAL PARKNA INC.  
 5645 OLD REDWOOD HWY N | 5645 OLD REDWOOD  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [CALEPA SITES - CA, CIWQS - CA, FRS, LUST REG 1 - CA, LUST\_SONOMA COUNTY - CA] **(cont.)**

**EnviroSite ID:** 317120  
**EPA ID:** N/R

## LUST\_SONOMA COUNTY - CA **(cont.)**

Date : 1965-01-02  
 Global ID : T0609700322  
 Action Type : Other  
 Action : Leak Reported

### Status History Summary

Status Date : 1997-05-20  
 Global ID : T0609700322  
 Status : Completed - Case Closed

Status Date : 1992-03-06  
 Global ID : T0609700322  
 Status : Open - Site Assessment

Status Date : 1991-07-09  
 Global ID : T0609700322  
 Status : Open - Case Begin Date

Status Date : 1965-01-03  
 Global ID : T0609700322  
 Status : Open - Remediation

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403  
**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO, FRS, HAZNET - CA, HIST AST - CA, HWG - CA, LUST REG 1 - CA, LUST\_SONOMA COUNTY - CA, RCRA\_NONGEN]

**EnviroSite ID:** 317848  
**EPA ID:** N/R

## AST - CA

Facility Name : Airport Express  
 Facility Address : 5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403  
 County : N/R



Map Id: 4  
Direction: W  
Distance: 0.365 mi., 1930 ft.  
Elevation: 138 ft.  
Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
| Airport Express | Yolo Trucking  
5807 OLD REDWOOD HWY  
SANTA ROSA | Santa Rosa, CA 95403  
**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
FRS, HAZNET - CA, HIST AST - CA, HWG -  
CA, LUST REG 1 - CA, LUST\_SONOMA  
COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**Envirosite ID:** 317848  
**EPA ID:** N/R

#### AST - CA **(cont.)**

Site ID : 90349  
Facility Identifier : N/R  
EPA Identifier : N/R  
Facility Explorer ID : N/R  
Dun and Bradstreet Number : N/R

Regulatory Programs : Hazardous Waste Generator, Chemical Storage Facilities, Aboveground Petroleum Storage

SIC : N/R  
NAICS : N/R  
Latitude : 38.522641  
Longitude : -122.777540  
Hyperlink : [Click here for hyperlink provided by the agency.](#)  
Last Date in Agency List : 04/23/2020

#### Violations

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosearch account representative for a complimentary site report containing all of the details available.

Violation Date : 03/19/2019

Citation : HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67 , Section(s) 25270.4.5 (a)

Description : Failure to have management or a professional engineer certify the SPCC Plan and comply with certification requirements at a qualified facility.

Notes : Returned to compliance on 04/22/2019. The plan on site was not signed/self certified. Have management or a professional engineer certify the plan

Division : Sonoma County Fire & Emergency Services Department  
Program : APSA  
Source : CERS

Violation Date : 03/19/2019

Citation : HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67 , Section(s) 25270.4.5 (a)

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403  
  
**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

## AST - CA (cont.)

**Description :** Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.

**Notes :** Returned to compliance on 04/22/2019. There were not records the plan was reviewed/signed. Plan was dated 2017. Have the plan reviewed and certified by management or a professional engineer

**Division :** Sonoma County Fire & Emergency Services Department  
**Program :** APSA  
**Source :** CERS

**Violation Date :** 03/01/2016

**Citation :** HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

**Description :** Failure to maintain SPCC plan onsite (applies if facility is manned at least four (4) hours per day).

**Notes :** Returned to compliance on 07/13/2017. Maintain SPCC plan onsite ( If facility staffed 4 hrs/day)

**Division :** Sonoma County Fire & Emergency Services Department  
**Program :** APSA  
**Source :** CERS

**Violation Date :** 03/01/2016

**Citation :** HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

**Description :** Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .

**Notes :** Returned to compliance on 07/13/2017. Prepare and implement SPCC.  
**Division :** Sonoma County Fire & Emergency Services Department  
**Program :** APSA  
**Source :** CERS

**Violation Date :** 03/01/2016

**Citation :** HSC 6.67 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(2)

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

#### AST - CA **(cont.)**

**Description :** Failure to submit a Tank Facility Statement or Business Plan.

**Notes :** Returned to compliance on 07/13/2017. Failure to submit a Tank Facility Statement or Business Plan. Submit a Tank Facility Statement or Business Plan.

**Division :** Sonoma County Fire & Emergency Services Department  
**Program :** APSA  
**Source :** CERS

#### Enforcements

**Enforcement Action Date :** N/R  
**Type :** N/R  
**Description :** N/R  
**Notes :** N/R  
**Division :** N/R  
**Program :** N/R  
**Source :** N/R

#### Chemicals

**Chemical Name :** N/R  
**CAS Number :** N/R  
**Hazard Type(s) :** N/R  
**Max Daily Amount / Unit :** N/R  
**Average Daily Amount / Unit :** N/R  
**Days Onsite :** N/R  
**Physical State(s) :** N/R

#### CALEPA SITES - CA

**Facility Name :** Airport Express  
**Facility Address :** 5807 OLD REDWOOD HWY, SANTA ROSA, 95403

**Site ID :** 90349  
**EI ID :** 10103044  
**EI Description :** Hazardous Waste Generator  
**Latitude :** 38.522641  
**Longitude :** -122.777540  
**Agency Hyperlink :** [Click here for hyperlink provided by the agency.](#)  
**Last Date in Agency List :** 2021-04-29

**Site ID :** 90349  
**EI ID :** 10103044  
**EI Description :** Aboveground Petroleum Storage  
**Latitude :** 38.522641  
**Longitude :** -122.777540

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**Envirosite ID:** 317848  
**EPA ID:** N/R

## CALEPA SITES - CA (cont.)

Agency Hyperlink : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-04-29

Site ID : 90349  
 EI ID : 10103044  
 EI Description : Chemical Storage Facilities  
 Latitude : 38.522641  
 Longitude : -122.777540  
 Agency Hyperlink : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-04-29

Facility Name : Yolo Trucking  
 Facility Address : 5807 OLD REDWOOD HWY, SANTA ROSA, 95403

Site ID : 189388  
 EI ID : T0609700284  
 EI Description : Leaking Underground Storage Tank Cleanup Site  
 Latitude : 38.522661  
 Longitude : -122.777415  
 Agency Hyperlink : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-04-29

## ECHO

Facility Name : SONOMA COUNTY AIRPORT EXPRESS INC  
 Facility Address : 5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403  
 County : SONOMA

Last Inspection Date : N/R  
 Registry ID : 110070442640  
 FIPS Code : N/R  
 EPA Region : 09  
 Inspection Count : 0  
 Last Inspection Days : N/R  
 Informal Count : 0  
 Last Informal Action Date : N/R  
 Formal Action Count : 0  
 Last Formal Action Date : N/R  
 Total Penalties : 0  
 Penalty Count : N/R  
 Last Penalty Date : N/R  
 Last Penalty Amount : N/R  
 QTRS IN NC : 0  
 Programs IN SNC : 0  
 Current Compliance Status : No Violation Identified  
 Three-Year Compliance Status :  
 Collection Method : Zip Code Centroid  
 Reference Point : N/R

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403  
  
**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

## ECHO (cont.)

Accuracy Meters :	10000
Derived Tribes :	N/R
Derived HUC :	N/R
Derived WBD :	N/R
Derived STCTY FIPS :	N/R
Derived Zip :	N/R
Derived CD113 :	N/R
Derived CB2010 :	N/R
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	<a href="#">Click here for hyperlink provided by the agency.</a>
Facility SIC :	N/R
Facility NAICS :	485999 - All Other Transit and Ground Passenger Transportation
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R
Facility Last Informal Act State Date:	N/R
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeake Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	N
SDWIS Flag :	N
RCRA Flag :	Y
TRI Flag :	N
GHG Flag :	N
Major Flag :	N/R
Active Flag :	Y

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403  
  
**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

## ECHO (cont.)

NAA Flag : N  
 Latitude : 38.482717  
 Longitude : -122.753645  
 Last Date in Agency List : 2021-04-16

## FRS

Facility Name : AIRPORT EXPRESS  
 Facility Address : 5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403  
 County : SONOMA

### Site Details

Registry ID : 110064953536  
 FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-05-03

### Source Description

#### Source Description :

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).

### FRS Environmental Interest

Source and System ID : CA-ENVIROVIEW - 90349

Facility Name : SONOMA COUNTY AIRPORT EXPRESS INC  
 Facility Address : 5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403-0000  
 County : SONOMA

### Site Details

Registry ID : 110070442640  
 FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-05-03

### Source Description

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

## FRS (cont.)

### Source Description :

RCRAInfo is EPA's comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 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. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

### FRS Environmental Interest

#### Source and System ID :

RCRAINFO - CAL000092071

#### Facility Name :

YOLO TRUCKING

#### Facility Address :

5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403

#### County :

SONOMA

### Site Details

#### Registry ID :

110064977529

#### FRS Facility URL :

[Click here for hyperlink provided by the agency.](#)

#### Last Date in Agency List :

2021-05-03

### Source Description

#### Source Description :

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).

### FRS Environmental Interest

#### Source and System ID :

CA-ENVIROVIEW - 189388

## HAZNET - CA

#### Facility Name :

SONOMA COUNTY AIRPORT EXPRESS INC

#### Facility Address :

5807 OLD REDWOOD HWY, SANTA ROSA, CA 954030000

#### County :

Sonoma



Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

## HAZNET - CA (cont.)

### Site Details

Contact Name : KEN NEESE  
 Facility Mailing Address : 5807 OLD REDWOOD HWY, SANTA ROSA, CA 954030000  
 Contact Phone : 7078378700  
 Last Date in Agency List : 09/24/2015

### Waste Generator Summary

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : CAD028409019  
 TSDF Disposal County : Los Angeles  
 State Waste : Other organic solids  
 Disposal Method : Transfer station  
 Tons : 0.9  
 Tanner Year : 2000

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : CAD059494310  
 TSDF Disposal County : Santa Clara  
 State Waste : Oil/water separation sludge  
 Disposal Method : Recycler  
 Tons : 4.587  
 Tanner Year : 2002

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : CAD059494310  
 TSDF Disposal County : Santa Clara  
 State Waste : Oil/water separation sludge  
 Disposal Method : Transfer station  
 Tons : 2.085  
 Tanner Year : 2000

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : CAD059494310  
 TSDF Disposal County : Santa Clara  
 State Waste : Oil/water separation sludge  
 Disposal Method : Transfer station  
 Tons : 2.502  
 Tanner Year : 2001

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : CAD059494310

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

## HAZNET - CA (cont.)

TSDf Disposal County : Santa Clara  
 State Waste : Oil/water separation sludge  
 Disposal Method : Transfer station  
 Tons : 3.5028  
 Tanner Year : 1999

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDf EPA ID : CAD059494310  
 TSDf Disposal County : Santa Clara  
 State Waste : Oil/water separation sludge  
 Disposal Method : Transfer station  
 Tons : 4.48275  
 Tanner Year : 2003

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDf EPA ID : CAD059494310  
 TSDf Disposal County : Santa Clara  
 State Waste : Oil/water separation sludge  
 Disposal Method : Transfer station  
 Tons : 4.7955  
 Tanner Year : 2002

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDf EPA ID : CAD980887418  
 TSDf Disposal County : Alameda  
 State Waste : Unspecified oil-containing waste

Disposal Method : STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO  
 TREATMENT/RECOVERY (H010-H129) OR (H131-H135)

Tons : 0.05  
 Tanner Year : 2007

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDf EPA ID : CAD980887418  
 TSDf Disposal County : Alameda  
 State Waste : Unspecified oil-containing waste

Disposal Method : STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO  
 TREATMENT/RECOVERY (H010-H129) OR (H131-H135)

Tons : 0.1  
 Tanner Year : 2008

Map Id: 4  
Direction: W  
Distance: 0.365 mi., 1930 ft.  
Elevation: 138 ft.  
Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
| Airport Express | Yolo Trucking  
5807 OLD REDWOOD HWY  
SANTA ROSA | Santa Rosa, CA 95403  
**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
FRS, HAZNET - CA, HIST AST - CA, HWG -  
CA, LUST REG 1 - CA, LUST\_SONOMA  
COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

HAZNET - CA **(cont.)**

Generator EPA ID :	CAL000092071
Generator County :	Sonoma
TSD EPA ID :	CAD980887418
TSD Disposal County :	Alameda
State Waste :	Unspecified oil-containing waste
Disposal Method :	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons :	0.1
Tanner Year :	2009
Generator EPA ID :	CAL000092071
Generator County :	Sonoma
TSD EPA ID :	CAD980887418
TSD Disposal County :	Alameda
State Waste :	Unspecified oil-containing waste
Disposal Method :	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons :	4.8372
Tanner Year :	2011
Generator EPA ID :	CAL000092071
Generator County :	Sonoma
TSD EPA ID :	CAD980887418
TSD Disposal County :	Alameda
State Waste :	Waste oil and mixed oil
Disposal Method :	Recycler
Tons :	3.5378
Tanner Year :	1996
Generator EPA ID :	CAL000092071
Generator County :	Sonoma
TSD EPA ID :	CAD980887418
TSD Disposal County :	Alameda
State Waste :	Waste oil and mixed oil
Disposal Method :	Recycler
Tons :	4.56
Tanner Year :	1997
Generator EPA ID :	CAL000092071
Generator County :	Sonoma
TSD EPA ID :	CAD980887418
TSD Disposal County :	Alameda
State Waste :	Waste oil and mixed oil
Disposal Method :	Recycler

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403  
  
**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

## HAZNET - CA (cont.)

Tons : 4.75  
 Tanner Year : 1995

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : CAD980887418  
 TSDF Disposal County : Alameda  
 State Waste : Waste oil and mixed oil  
 Disposal Method : Recycler  
 Tons : 50.16  
 Tanner Year : 2000

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : CAD980887418  
 TSDF Disposal County : Alameda  
 State Waste : Waste oil and mixed oil  
 Disposal Method : Recycler  
 Tons : 6.897  
 Tanner Year : 1998

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : CAD982446866  
 TSDF Disposal County : Solano  
 State Waste : Aqueous solution with total organic residues less than 10 percent  
 Disposal Method : Recycler  
 Tons : 0.294  
 Tanner Year : 1998

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : CAD982446866  
 TSDF Disposal County : Solano  
 State Waste : Aqueous solution with total organic residues less than 10 percent  
 Disposal Method : Transfer station  
 Tons : 0.42  
 Tanner Year : 1997

Generator EPA ID : CAL000092071  
 Generator County : Sonoma  
 TSDF EPA ID : NVD982358483  
 TSDF Disposal County : Unknown  
 State Waste : Waste oil and mixed oil  
 Disposal Method : Recycler  
 Tons : 3.8  
 Tanner Year : 2000

Map Id: 4  
Direction: W  
Distance: 0.365 mi., 1930 ft.  
Elevation: 138 ft.  
Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
| Airport Express | Yolo Trucking  
5807 OLD REDWOOD HWY  
SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
FRS, HAZNET - CA, HIST AST - CA, HWG -  
CA, LUST REG 1 - CA, LUST\_SONOMA  
COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

#### HAZNET - CA **(cont.)**

Generator EPA ID : CAL000092071  
Generator County : Sonoma  
TSD EPA ID : NVT330010000  
TSD Disposal County : Unknown  
State Waste : Other organic solids

Disposal Method : LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS  
LANDFILL( TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)

Tons : 0.0935  
Tanner Year : 2007

Facility Name : PAC LEASE TRUCK RENTAL  
Facility Address : 5807 OLD REDWOOD HWY, SANTA ROSA, CA 954030000  
County : Sonoma

#### Site Details

Contact Name : --  
Facility Mailing Address : REDWOOD RELIANCE SALES CO 7667, WINDSOR, CA 954920000  
Contact Phone : --  
Last Date in Agency List : 09/24/2015

#### Waste Generator Summary

Generator EPA ID : CAL000063285  
Generator County : Sonoma  
TSD EPA ID : CAD009452657  
TSD Disposal County : San Mateo  
State Waste : Unspecified organic liquid mixture  
Disposal Method : Recycler  
Tons : 0.612  
Tanner Year : 1993

#### HIST AST - CA

Facility Name : Airport Express  
Facility Address : 5807 Old Redwood Hwy, Santa Rosa, 95403  
County : Sonoma

#### Site Details

CERS ID : 10103044  
Facility ID : 49-000-002571  
EPA ID : cal000092071  
Business Name : Airport Express  
Phone : (707)-837-8700  
Fax : N/R

Map Id: 4  
Direction: W  
Distance: 0.365 mi., 1930 ft.  
Elevation: 138 ft.  
Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
| Airport Express | Yolo Trucking  
5807 OLD REDWOOD HWY  
SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
FRS, HAZNET - CA, HIST AST - CA, HWG -  
CA, LUST REG 1 - CA, LUST\_SONOMA  
COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**Envirosite ID:** 317848  
**EPA ID:** N/R

#### HIST AST - CA **(cont.)**

Mailing Address :	5807 Old Redwood Hwy, Santa Rosa, CA 95403
Owner Name :	Howard Emigh
Owner Phone :	7078378763
Owner Mailing Address :	5807 Old Redwood Hwy, Santa Rosa, CA 95403-United States
Property Owner Name :	Howard Emigh
Property Owner Phone :	707-837-8700
Property Owner Mailing Address :	5807 Old Redwood Hwy, Santa Rosa, CA 95403-United States
Operator Name :	Airport Express, Ray Neese
Operator Phone :	7078378700
CUPA :	N/R
Total Gallons :	N/R
Facility Latitude Measure :	38.522641
Facility Longitude Measure :	-122.777547
Last Date in Agency List :	01/31/2018

#### HWG - CA

Facility Name :	PAC LEASE TRUCK RENTAL
Facility Address :	5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403
County :	SONOMA
EPA ID :	CAL000063285
Status :	Inactive
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	REDWOOD RELIANCE SALES CO 7667, WINDSOR, CA 954920000
Owner Name :	REDWOOD RELIANCE SALES CO
Owner Address :	7667 CONDE LANE, WINDSOR, CA 954920000
Operator Name :	N/R
Operator Address :	5807 OLD REDWOOD HWY, SANTA ROSA, CA 954030000
Latitude :	38.522463
Longitude :	-122.776579

Facility Name :	SONOMA COUNTY AIRPORT EXPRESS INC
Facility Address :	5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403
County :	SONOMA

EPA ID :	CAL000092071
Status :	Inactive
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	2289 DABNEY ROAD, RICHMOND, VA 232300000
Owner Name :	HOWARD AND JANET EMIGH
Owner Address :	2289 DABNEY ROAD, RICHMOND, VA 232300000
Operator Name :	CHRIS CONNER
Operator Address :	5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403
Latitude :	38.522463
Longitude :	-122.776579

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**Envirosite ID:** 317848  
**EPA ID:** N/R

## LUST REG 1 - CA

Facility Name : Yolo Trucking  
 Facility Address : 5807 Old Redwood Hwy, Santa Rosa, CA 95403  
 County : Sonoma

### Site Details

Status Date : 1997-09-24  
 Status : Completed - Case Closed  
 Begin Date : 1990-05-04  
 Global ID : T0609700284  
 Region : REGION 1  
 Site History : N/R  
 RB Case Number : 1TSO394  
 Potential Media Affected : Aquifer used for drinking water supply  
 Potential Contaminants of Concern : Gasoline, Diesel  
 Local Agency : SONOMA COUNTY LOP  
 Local Case Number : 00002231  
 Lead Agency : SONOMA COUNTY LOP  
 File Location : All Files are on GeoTracker or in the Local Agency Database  
 CUF Case : YES  
 Caseworker : LCW  
 Case Type : LUST Cleanup Site  
 How Discovered : N/R  
 How Discovered Description : N/R  
 Stop Method : N/R  
 Stop Description : N/R  
 Calwater Watershed Name : Russian River - Middle Russian River - Mark West (114.23)  
 DWR Groundwater Subbasin Name : Santa Rosa Valley - Santa Rosa Plain (1-055.01)  
 Disadvantaged Community : N/R  
 Latitude : 38.522661  
 Longitude : -122.777415  
 Agency URL : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-05-27

### Contacts Summary

Global ID : T0609700284  
 Contact Name : SONOMA COUNTY LOP CLOSED SITE  
 Contact Type : Regional Board Caseworker  
 Organization Name : NORTH COAST RWQCB (REGION 1)  
 Address : 5550 SKYLANE BOULEVARD, SUITE A  
 City : SANTA ROSA  
 Phone Number : 7075656565  
 Email : N/R

Global ID : T0609700284  
 Contact Name : LOP CLOSED IN RB01  
 Contact Type : Local Agency Caseworker  
 Organization Name : SONOMA COUNTY LOP  
 Address : 625 FIFTH STREET



Map Id: 4  
Direction: W  
Distance: 0.365 mi., 1930 ft.  
Elevation: 138 ft.  
Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
| Airport Express | Yolo Trucking  
5807 OLD REDWOOD HWY  
SANTA ROSA | Santa Rosa, CA 95403  
**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
FRS, HAZNET - CA, HIST AST - CA, HWG -  
CA, LUST REG 1 - CA, LUST\_SONOMA  
COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**Envirosite ID:** 317848  
**EPA ID:** N/R

#### LUST REG 1 - CA **(cont.)**

City : SANTA ROSA  
Phone Number : N/R  
Email : N/R

#### Regulatory Activities

Date : 1991-10-14  
Global ID : T0609700284  
Action Type : REMEDIATION  
Action : Excavation

Date : 1990-05-04  
Global ID : T0609700284  
Action Type : Other  
Action : Leak Discovery

Date : 1965-01-02  
Global ID : T0609700284  
Action Type : Other  
Action : Leak Reported

#### Status History

Status Date : 1997-09-24  
Global ID : T0609700284  
Status : Completed - Case Closed

Status Date : 1991-06-20  
Global ID : T0609700284  
Status : Open - Site Assessment

Status Date : 1991-04-25  
Global ID : T0609700284  
Status : Open - Remediation

Status Date : 1990-05-04  
Global ID : T0609700284  
Status : Open - Case Begin Date

#### LUST\_SONOMA COUNTY - CA

Facility Name : YOLO TRUCKING  
Facility Address : 5807 OLD REDWOOD HWY, SANTA ROSA, 95403  
County : SONOMA

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

## LUST\_SONOMA COUNTY - CA **(cont.)**

### Site Details

Status Date :	1997-09-24
Status :	COMPLETED - CASE CLOSED
Begin Date :	1990-05-04
Global ID :	T0609700284
Facility Type :	LUST CLEANUP SITE
RB Case Number :	1TSO394
Potential Media Affected :	Aquifer used for drinking water supply
Potential Contaminants of Concern :	Gasoline, Diesel
Local Agency :	SONOMA COUNTY LOP
Loc Case Number :	00002231
Lead Agency :	SONOMA COUNTY LOP
File Location :	All Files are on GeoTracker or in the Local Agency Database
CUF Case :	YES
Caseworker :	LCW
How Discovered :	N/R
How Discovered Description :	N/R
Stop Method :	N/R
Stop Description :	N/R
Calwater Watershed Name :	Russian River - Middle Russian River - Mark West (114.23)
DWR Groundwater Subbasin Name :	Santa Rosa Valley - Santa Rosa Plain (1-055.01)
Disadvantaged Community :	N/R
Latitude :	38.522661
Longitude :	-122.777415
Site History :	N/R
Agency URL :	<a href="#">Click here for hyperlink provided by the agency.</a>

### Contacts Summary

Global ID :	T0609700284
Contact Name :	SONOMA COUNTY LOP CLOSED SITE
Contact Type :	Regional Board Caseworker
Organization Name :	NORTH COAST RWQCB (REGION 1)
Address :	5550 SKYLANE BOULEVARD, SUITE A
City :	SANTA ROSA
Phone Number :	7075656565
Email :	N/R

Global ID :	T0609700284
Contact Name :	LOP CLOSED IN RB01
Contact Type :	Local Agency Caseworker
Organization Name :	SONOMA COUNTY LOP
Address :	625 FIFTH STREET
City :	SANTA ROSA
Phone Number :	N/R
Email :	N/R

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**Envirosite ID:** 317848  
**EPA ID:** N/R

## LUST\_SONOMA COUNTY - CA **(cont.)**

### Regulatory Activities

Date : 1991-10-14  
 Global ID : T0609700284  
 Action Type : REMEDIATION  
 Action : Excavation

Date : 1990-05-04  
 Global ID : T0609700284  
 Action Type : Other  
 Action : Leak Discovery

Date : 1965-01-02  
 Global ID : T0609700284  
 Action Type : Other  
 Action : Leak Reported

### Status History Summary

Status Date : 1997-09-24  
 Global ID : T0609700284  
 Status : Completed - Case Closed

Status Date : 1991-06-20  
 Global ID : T0609700284  
 Status : Open - Site Assessment

Status Date : 1991-04-25  
 Global ID : T0609700284  
 Status : Open - Remediation

Status Date : 1990-05-04  
 Global ID : T0609700284  
 Status : Open - Case Begin Date

## RCRA\_NONGEN

Facility Name : SONOMA COUNTY AIRPORT EXPRESS INC  
 Facility Address : 5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403-0000  
 County : SONOMA

Date Form Received by Agency : 1995-01-10  
 EPA ID : CAL000092071  
 Mailing Address : 5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403-0000  
 Contact : KEN NEESE  
 Contact Address : 5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403  
  
**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**Envirosite ID:** 317848  
**EPA ID:** N/R

## RCRA\_NONGEN (cont.)

Contact Country :	N/R
Contact Telephone :	707-837-8700
Contact Email :	APXACCOUNTING@HOTMAIL.COM
EPA Region :	09
Land Type :	Not Reported
Source Type :	Implementer
Classification :	Not a generator, verified
Description :	Not a generator, verified
Last Date in Agency List :	2021-04-26

## Owner/Operator Summary

Owner/Operator Name :	HOWARD AND JANET EMIGH
Owner/Operator Address :	5807 OLD REDWOD HWY, SANTA ROSA, CA 95403-0000
Owner/Operator Country :	N/R
Owner/Operator Telephone :	707-837-8700
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Other land type
Owner/Operator Type :	Owner
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Owner/Operator Name :	KEN NEESE
Owner/Operator Address :	5807 OLD REDWOOD HWY, SANTA ROSA, CA 95403
Owner/Operator Country :	N/R
Owner/Operator Telephone :	707-837-8700
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Other land type
Owner/Operator Type :	Operator
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

## Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	N
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N

Map Id: 4  
 Direction: W  
 Distance: 0.365 mi., 1930 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** SONOMA COUNTY AIRPORT EXPRESS INC  
 | Airport Express | Yolo Trucking  
 5807 OLD REDWOOD HWY  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [AST - CA, CALEPA SITES - CA, ECHO,  
 FRS, HAZNET - CA, HIST AST - CA, HWG -  
 CA, LUST REG 1 - CA, LUST\_SONOMA  
 COUNTY - CA, RCRA\_NONGEN] **(cont.)**

**EnviroSite ID:** 317848  
**EPA ID:** N/R

RCRA\_NONGEN **(cont.)**

Used Oil Transporter : N

Notices of Violations Summary  
 Regulation Violated : N

Map Id: 5  
 Direction: E  
 Distance: 0.424 mi., 2237 ft.  
 Elevation: 219 ft.  
 Relative: Higher

**Site Name :** FAUGHT DUMP | Shiloh Disposal Site  
 5750 FAUGHT RD  
 SANTA ROSA | Santa Rosa, CA 95403

**Database(s) :** [CALEPA SITES - CA, FRS, SWF/LF - CA]

**EnviroSite ID:** 231550  
**EPA ID:** N/R

CALEPA SITES - CA

Facility Name : FAUGHT DUMP  
 Facility Address : 5750 FAUGHT RD, SANTA ROSA, 95403

Site ID : 467614  
 EI ID : 110013903605  
 EI Description : US EPA Air Emission Inventory System (EIS)  
 Latitude : 38.524963  
 Longitude : -122.762750  
 Agency Hyperlink : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-04-29

Facility Name : Shiloh Disposal Site  
 Facility Address : 5750 FAUGHT ROAD, SANTA ROSA

Site ID : 511815  
 EI ID : 49-AA-0358  
 EI Description : Solid Waste and Recycle Sites  
 Latitude : 38.530600  
 Longitude : -122.757000  
 Agency Hyperlink : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-04-29

FRS

Facility Name : FAUGHT DUMP  
 Facility Address : 5750 FAUGHT RD, SANTA ROSA, CA 95403  
 County : SONOMA

Map Id: 5  
 Direction: E  
 Distance: 0.424 mi., 2237 ft.  
 Elevation: 219 ft.  
 Relative: Higher

**Site Name :** FAUGHT DUMP | Shiloh Disposal Site  
 5750 FAUGHT RD  
 SANTA ROSA | Santa Rosa, CA 95403  
**Database(s) :** [CALEPA SITES - CA, FRS, SWF/LF - CA]  
**(cont.)**

**EnviroSite ID:** 231550  
**EPA ID:** N/R

## FRS (cont.)

### Site Details

Registry ID : 110013903605  
 FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2021-05-03

### Source Description

#### Source Description :

The Emission Inventory System (EIS) maintains an inventory of large stationary sources and voluntarily-reported smaller sources of air point pollution emitters. It contains information about facility sites and their physical location, emission units, emission processes, release points, control approaches, and regulations. Facility inventory data are kept separate from the emissions data and have stable identifiers to improve continuity from year to year and to help identify duplicate or missing facilities.

### FRS Environmental Interest

Source and System ID : EIS - 3290011

## SWF/LF - CA

Facility Name : Shiloh Disposal Site  
 Facility Address : 5750 Faught Road, Santa Rosa  
 County : Sonoma

### Site Details

Permit Date : N/R  
 Permit Status : N/R  
 Swis Number : 49-AA-0358  
 Land Use : Rural, Residential, Recreational, Park  
 Operator : Shilo Associates  
 Operator Address : 3450 Regional Parkway, Santa Rosa, CA 95403  
 Operator Phone : 7075251100  
 Latitude : 38.53056  
 Longitude : -122.7575  
 Last Date in Agency List : 2021-04-08

### Owner Summary

Owner : Shilo Associates  
 Owner Address : 3450 Regional Parkway, Santa Rosa, CA 95403  
 Owner Phone : 7075251100

### Unit Information

Closure Date : 1960-12-31  
 Closure Type : Estimated  
 Unit Number : 01  
 Regulatory Status : Pre-regulations

Map Id: 5  
 Direction: E  
 Distance: 0.424 mi., 2237 ft.  
 Elevation: 219 ft.  
 Relative: Higher

**Site Name :** FAUGHT DUMP | Shiloh Disposal Site  
 5750 FAUGHT RD  
 SANTA ROSA | Santa Rosa, CA 95403  
**Database(s) :** [CALEPA SITES - CA, FRS, SWF/LF - CA]  
**(cont.)**

**EnviroSite ID:** 231550  
**EPA ID:** N/R

## SWF/LF - CA (cont.)

Operational Status :	Closed
Category :	Disposal
Activity :	Solid Waste Disposal Site
Inspection Frequency :	Annual
Accepted Waste :	N/R
Program Type :	N/R
Throughput :	0
Throughput Units :	N/R
Capacity :	0
Capacity Units :	N/R
Acreage :	0
Disposal Acreage :	0
Remaining Capacity :	0
WDR Number :	N/R

Map Id: 6  
 Direction: ENE  
 Distance: 0.486 mi., 2568 ft.  
 Elevation: N/R  
 Relative: N/R

**Site Name :** RODGERS CREEK FAULT  
 38.51645125, -122.7534795  
 CA  
**Database(s) :** [SEISMIC - CA]

**EnviroSite ID:** 31196346  
**EPA ID:** N/R

## SEISMIC - CA

Fault ID :	32
Fault Age :	HOL
Fault Source :	Bryant (1982a)
Zone Name :	Rodgers Creek fault zone
Line Type :	solid
Line Value :	1
JEN ID :	149
Section Number :	N/R
Section Name :	N/R
Date :	N/R
Rule ID :	35
Shape Length :	2391.3978987



Map Id: 7  
 Direction: N  
 Distance: 0.745 mi., 3933 ft.  
 Elevation: N/R  
 Relative: N/R

**Site Name :** HEALDSBURG FAULT  
 38.5347901, -122.7686066  
 CA  
**Database(s) :** [SEISMIC - CA]

**Envirosite ID:** 31168707  
**EPA ID:** N/R

## SEISMIC - CA

Fault ID : 31  
 Fault Age : QT  
 Fault Source : N/R  
 Zone Name : Healdsburg fault  
 Line Type : solid  
 Line Value : 1  
 JEN ID : 142  
 Section Number : N/R  
 Section Name : N/R  
 Date : N/R  
 Rule ID : 7  
 Shape Length : 9429.82064032

Map Id: 8  
 Direction: NNE  
 Distance: 0.931 mi., 4916 ft.  
 Elevation: N/R  
 Relative: N/R

**Site Name :** RODGERS CREEK FAULT  
 38.53713309, -122.76600651  
 CA  
**Database(s) :** [SEISMIC - CA]

**Envirosite ID:** 31211172  
**EPA ID:** N/R

## SEISMIC - CA

Fault ID : 32  
 Fault Age : HOL  
 Fault Source : Bryant (1982a)  
 Zone Name : Rodgers Creek fault zone  
 Line Type : solid  
 Line Value : 1  
 JEN ID : 149  
 Section Number : N/R  
 Section Name : N/R  
 Date : N/R  
 Rule ID : 7  
 Shape Length : 103.13227463

Map Id: 9  
 Direction: ESE  
 Distance: 0.984 mi., 5194 ft.  
 Elevation: N/R  
 Relative: N/R

**Site Name :** RODGERS CREEK FAULT  
 38.51429023, -122.75253757  
 CA  
**Database(s) :** [SEISMIC - CA]

**Envirosite ID:** 31196348  
**EPA ID:** N/R

## SEISMIC - CA

Fault ID : 32  
 Fault Age : HOL  
 Fault Source : Bryant (1982a)

Map Id: 9  
 Direction: ESE  
 Distance: 0.984 mi., 5194 ft.  
 Elevation: N/R  
 Relative: N/R

**Site Name :** RODGERS CREEK FAULT  
 38.51429023, -122.75253757  
 CA  
**Database(s) :** [SEISMIC - CA] **(cont.)**

**Envirosite ID:** 31196348  
**EPA ID:** N/R

## SEISMIC - CA **(cont.)**

Zone Name :	Rodgers Creek fault zone
Line Type :	solid
Line Value :	1
JEN ID :	149
Section Number :	N/R
Section Name :	N/R
Date :	N/R
Rule ID :	7
Shape Length :	324.86498421

Map Id: 10  
 Direction: NNE  
 Distance: 0.987 mi., 5213 ft.  
 Elevation: N/R  
 Relative: N/R

**Site Name :** RODGERS CREEK FAULT  
 38.53818302, -122.76725745  
 CA  
**Database(s) :** [SEISMIC - CA]

**Envirosite ID:** 31211170  
**EPA ID:** N/R

## SEISMIC - CA

Fault ID :	32
Fault Age :	HOL
Fault Source :	Bryant (1982a)
Zone Name :	Rodgers Creek fault zone
Line Type :	solid
Line Value :	1
JEN ID :	149
Section Number :	N/R
Section Name :	N/R
Date :	N/R
Rule ID :	7
Shape Length :	910.04146196

<u>ENVIROSITE ID</u>	<u>NAME</u>	<u>ADDRESS</u>	<u>CITY</u>	<u>ZIP</u>	<u>DATABASE(S)</u>
<u>33308072</u>	BUCKEYE MINE	APN 117-140-002; 117-140-...			CERCLIS-HIST, SEMS_8...
<u>6970121</u>	SCDPW LARKFIELD SEWER	REDWOOD HIGHWAY, OLD	SANTA ROSA	95403	SLIC REG 1 - CA
<u>6914921</u>	STANDARD STRUCTURES	HWY 101 BETWEEN SHILOH & ...	WINDSOR	95492	ENVIROSTOR - CA, HIS...

**FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST**

ARCHIVED RCRA TSD: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 04/13/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/09/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 04/13/2021

RCRA\_TSD: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 04/13/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/09/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 04/13/2021

**FEDERAL CERCLIS LIST**

CERCLIS NFRAP: The CERCLIS sites with No Further Remedial Action Planned from the CERCLIS program database. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 10/25/2013  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 05/11/2021

CERCLIS-HIST: The CERCLIS program database contains information on the assessment and remediation of federal hazardous waste sites. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 10/29/2013  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 05/11/2021

FEDERAL FACILITY: Sites where Federal Facilities Restoration and Reuse Office (FFRRO) arranged cleanup for Base Closure and Property Transfer at Federal Facilities

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8712  
Most Recent Contact: 05/11/2021

SEMS\_8R\_ACTIVE SITES: The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. NPL sites include latitude and longitude information. For non-NPL sites, a brief site status is provided.

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

SEMS\_8R\_ARCHIVED SITES: The Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

**FEDERAL RCRA CORRACTS FACILITIES LIST**

CORRACTS: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases

Agency Version Date: 04/13/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/09/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-1667  
Most Recent Contact: 04/13/2021

HIST CORRACTS 2: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 06/08/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-1667  
Most Recent Contact: 03/12/2021

**FEDERAL DELISTED NPL SITE LIST**

DELISTED NPL: National Priority List of sites that were delisted and no longer require action

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

DELISTED PROPOSED NPL: Sites that have been delisted from the proposed National Priority List

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

SEMS\_DELETED NPL: All Deleted National Priority List Sties

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

**FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

EPA LF MOP: Sites in the EPA Landfill Methane Outreach Program

Agency Version Date: 04/09/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 04/09/2021

**FEDERAL ERNS LIST**

ERNS: Emergency Response Notification System records of reported spills

Agency Version Date: 02/04/2021  
Agency Update Frequency: Annually  
Planned Next Contact: 07/30/2021

Agency: National Response Center United States Coast Guard  
Agency Contact: N/R  
Most Recent Contact: 05/03/2021

**FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES**

FED E C: Federal listing of remediation sites with engineering controls

Agency Version Date: 03/11/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/07/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 03/11/2021

**FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES (cont.)**

FED I C: Federal listing of remediation sites with institutional controls

Agency Version Date: 03/11/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/07/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 03/11/2021

RCRA IC\_EC: Sites with institutional or engineering controls related to Resource Conservation and Recovery Act

Agency Version Date: 02/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/16/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 05/18/2021

**FEDERAL RCRA GENERATORS LIST**

HIST RCRA\_CESQG: List of Resource Conservation and Recovery Act licensed conditionally exempt small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 06/08/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 03/12/2021

HIST RCRA\_LQG: List of Resource Conservation and Recovery Act licensed large quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 06/08/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 03/12/2021

HIST RCRA\_NONGEN: List of Resource Conservation and Recovery Act licensed non-generators that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 06/08/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 03/12/2021

HIST RCRA\_SQG: List of Resource Conservation and Recovery Act licensed small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 06/08/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 03/12/2021

RCRA\_LQG: Resource Conservation and Recovery Act listing of licensed large quantity generators

Agency Version Date: 04/13/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/09/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 04/13/2021

RCRA\_NONGEN: Resource Conservation and Recovery Act listing of licensed non-generators

Agency Version Date: 04/13/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/09/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 04/13/2021

RCRA\_SQG: Resource Conservation and Recovery Act listing of licensed small quantity generators

Agency Version Date: 04/13/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/09/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 04/13/2021

**FEDERAL RCRA GENERATORS LIST (cont.)**

RCRA\_VSQG: Resource Conservation and Recovery Act listing of licensed very small quantity generators.

Agency Version Date: 04/13/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/09/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 04/13/2021

**FEDERAL NPL SITE LIST**

NPL: List of priority contaminated sites among identified releases or threatened releases of hazardous substances pollutants or contaminants nationally

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

NPL EPA R1 GIS: Geospatial data for the Environmental Protection Agency Region 1 National Priority List subject to environmental regulation

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 05/11/2021

NPL EPA R3 GIS: Geospatial data for the Environmental Protection Agency Region 3 National Priority List subject to environmental regulation

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 05/11/2021

NPL EPA R6 GIS: Geospatial data for the Environmental Protection Agency Region 6 National Priority List subject to environmental regulation

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 05/11/2021

NPL EPA R8 GIS: Geospatial data for the Environmental Protection Agency Region 8 National Priority List subject to environmental regulation

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 05/11/2021

NPL EPA R9 GIS: Geospatial data for the Environmental Protection Agency Region 9 National Priority List subject to environmental regulation

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 05/11/2021

PART NPL: Sites that are a part of an National Priority List site referred to as the parent site

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021



**FEDERAL NPL SITE LIST (cont.)**

PROPOSED NPL: Sites that have been proposed for the National Priority List

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

SEMS\_FINAL NPL: All Included National Priority List Sites

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

SEMS\_PROPOSED NPL: All Proposed National Priority List Sites

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

**STATE AND TRIBAL REGISTERED STORAGE TANK LISTS**

FEMA UST: FEMA underground storage tank listing

Agency Version Date: 06/21/2019  
Agency Update Frequency: Varies  
Planned Next Contact: 07/13/2021

Agency: FEMA  
Agency Contact: 202-212-5283  
Most Recent Contact: 04/16/2021

INDIAN UST R1: Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 02/03/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/26/2021

Agency: U.S. Environmental Protection Agency Region 1  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/29/2021

INDIAN UST R10: Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 03/01/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/23/2021

Agency: U.S. Environmental Protection Agency Region 10  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/27/2021

INDIAN UST R2: Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 05/05/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: U.S. Environmental Protection Agency Region 2  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/05/2021

INDIAN UST R4: Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 03/01/2021  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 08/23/2021

Agency: U.S. Environmental Protection Agency Region 4  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/27/2021

INDIAN UST R5: Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 02/15/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/10/2021

Agency: U.S. Environmental Protection Agency Region 5  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/14/2021

## STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

### INDIAN UST R6: Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 12/16/2020  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 06/11/2021

Agency: U.S. Environmental Protection Agency Region 6  
Agency Contact: 855-246-3642  
Most Recent Contact: 03/17/2021

### INDIAN UST R7: Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 02/15/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/10/2021

Agency: U.S. Environmental Protection Agency Region 7  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/14/2021

### INDIAN UST R8: Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 04/29/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/26/2021

Agency: U.S. Environmental Protection Agency Region 8  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/29/2021

### INDIAN UST R9: Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 04/29/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/26/2021

Agency: U.S. Environmental Protection Agency Region 9  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/29/2021

### AST - CA: Listing of tank facilities that are subject to the California Aboveground Petroleum Storage Act

Agency Version Date: 04/23/2020  
Agency Update Frequency: No update  
Planned Next Contact: 07/08/2021

Agency: California Environmental Protection Agency Unified Program Section  
Agency Contact: 916-327-5092  
Most Recent Contact: 04/12/2021

### AST\_KERN COUNTY - CA: Kern County aboveground storage tank sites

Agency Version Date: 01/01/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/25/2021

Agency: Kern County Environment Health Division  
Agency Contact: 661-862-8774  
Most Recent Contact: 03/30/2021

### AST\_ORANGE COUNTY - CA: Orange county aboveground storage tanks

Agency Version Date: 03/10/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 09/01/2021

Agency: Orange County Health Care Agency  
Agency Contact: 714-433-6000  
Most Recent Contact: 06/07/2021

### AST\_PLACER COUNTY - CA: Placer county aboveground storage tank sites

Agency Version Date: 02/09/2021  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 08/04/2021

Agency: Placer County Environmental Health  
Agency Contact: 530-745-2350  
Most Recent Contact: 05/07/2021

### AST\_YOLO COUNTY - CA: Yolo county above ground storage tank sites listing

Agency Version Date: 02/15/2021  
Agency Update Frequency: Annually  
Planned Next Contact: 08/10/2021

Agency: Yolo County Environmental Health  
Agency Contact: 530-666-8646  
Most Recent Contact: 05/14/2021

### CLOSED UST\_VENTURA COUNTY - CA: Ventura County closed underground storage tank site listing

Agency Version Date: 02/17/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/11/2021

Agency: Environmental Health Division  
Agency Contact: 805-654-2815  
Most Recent Contact: 05/17/2021

**STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)**

FID UST - CA: The State Water Resource Control Board's Facility Inventory Database underground storage tank locations listing

Agency Version Date: 03/30/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/24/2021

Agency: California Environmental Protection Agency  
Agency Contact: 916-341-5791  
Most Recent Contact: 03/30/2021

HIST AST - CA: Historical listing of tank facilities that are subject to the California Aboveground Petroleum Storage Act

Agency Version Date: 07/19/2019  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/23/2021

Agency: California Environmental Protection Agency Unified Program Section  
Agency Contact: 916-327-5092  
Most Recent Contact: 04/27/2021

HIST UST - CA: Historical UST listing

Agency Version Date: 07/10/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 06/29/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 04/02/2021

HIST UST\_EL SEGUNDO CITY - CA: List of City of El Segundo Underground Storage Tanks that are no longer in current agency list.

Agency Version Date: 01/29/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 07/05/2021

Agency: City of El Segundo Fire Department  
Agency Contact: 310-524-2242  
Most Recent Contact: 04/08/2021

HIST UST\_KERN COUNTY - CA: List of Kern County underground storage tank records that is no longer in current agency list.

Agency Version Date: 11/28/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 06/18/2021

Agency: Kern County Environment Health Division  
Agency Contact: 661-862-8774  
Most Recent Contact: 03/23/2021

HIST UST\_SUTTER COUNTY - CA: List of Sutter County Underground Storage Tank records that are no longer in current agency list.

Agency Version Date: 10/22/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 07/19/2021

Agency: Sutter County Department of Agriculture  
Agency Contact: 530-822-7400  
Most Recent Contact: 04/22/2021

TANKS\_CONTRA COSTA COUNTY - CA: Listing of aboveground storage tanks in Contra Costa County

Agency Version Date: 02/26/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/20/2021

Agency: Contra Costa Health Services Department  
Agency Contact: 925-335-3200  
Most Recent Contact: 05/25/2021

UST - CA: Listing of active underground storage tank facilities

Agency Version Date: 03/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/15/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: N/R  
Most Recent Contact: 03/19/2021

UST\_ALAMEDA COUNTY - CA: Alameda County Underground Storage Tank sites

Agency Version Date: 03/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/15/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 03/19/2021

**STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)**

UST\_CITY OF LONG BEACH - CA: City of Long Beach underground storage tank sites

Agency Version Date: 01/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/17/2021

Agency: City of Long Beach Fire Department  
Agency Contact: 562-570-6782  
Most Recent Contact: 05/21/2021

UST\_CITY OF TORRANCE - CA: City of Torrance underground storage tank sites

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: City of Torrance Fire Department  
Agency Contact: 310-618-2872  
Most Recent Contact: 05/07/2021

UST\_EL SEGUNDO CITY - CA: City of El Segundo Underground Storage Tanks

Agency Version Date: 01/29/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 07/12/2021

Agency: City of El Segundo Fire Department  
Agency Contact: 310-524-2242  
Most Recent Contact: 04/14/2021

UST\_KERN COUNTY - CA: Kern County underground storage tank sites

Agency Version Date: 01/01/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/25/2021

Agency: Kern County Environment Health Division  
Agency Contact: 661-862-8774  
Most Recent Contact: 03/30/2021

UST\_MARIN COUNTY - CA: Marin county underground storage tank sites

Agency Version Date: 08/14/2018  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 08/13/2021

Agency: Marin County Department of Public Works  
Agency Contact: 415-473-5051  
Most Recent Contact: 05/18/2021

UST\_MENDOCINO COUNTY - CA: A listing of underground storage tank locations in Mendocino County

Agency Version Date: 03/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/15/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 03/19/2021

UST\_NAPA COUNTY - CA: Underground storage tank sites located in Napa county.

Agency Version Date: 03/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/15/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 03/19/2021

UST\_ORANGE COUNTY - CA: Orange county underground storage tanks

Agency Version Date: 02/26/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/20/2021

Agency: Orange County Health Care Agency  
Agency Contact: 714-433-6000  
Most Recent Contact: 05/25/2021

UST\_PLACER COUNTY - CA: Placer county underground storage tank sites

Agency Version Date: 02/09/2021  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 08/04/2021

Agency: Placer County Environmental Health  
Agency Contact: 530-745-2350  
Most Recent Contact: 05/07/2021

UST\_RIVERSIDE COUNTY - CA: Riverside county underground storage tank sites

Agency Version Date: 03/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/15/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: N/R  
Most Recent Contact: 03/19/2021

## STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

UST\_SAN FRANCISCO COUNTY - CA: San Francisco county Underground storage tank sites listing

Agency Version Date: 12/15/2020  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/08/2021

Agency: San Francisco Department of Public Health  
Agency Contact: N/R  
Most Recent Contact: 03/12/2021

UST\_SAN JOAQUIN COUNTY - CA: San Joaquin County Underground storage tank sites listing

Agency Version Date: 03/19/2021  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 06/15/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 03/19/2021

UST\_SOLANO COUNTY - CA: Solano county underground storage tank listing

Agency Version Date: 03/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/15/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: N/R  
Most Recent Contact: 03/19/2021

UST\_SUTTER COUNTY - CA: Sutter county underground storage tank listing

Agency Version Date: 02/05/2021  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 07/30/2021

Agency: Sutter County Department of Agriculture  
Agency Contact: 530-822-7400  
Most Recent Contact: 05/04/2021

UST\_YOLO COUNTY - CA: Yolo county underground storage tank sites listing

Agency Version Date: 11/24/2020  
Agency Update Frequency: Annually  
Planned Next Contact: 08/13/2021

Agency: Yolo County Environmental Health  
Agency Contact: 530-666-8646  
Most Recent Contact: 05/18/2021

## STATE- AND TRIBAL - EQUIVALENT CERCLIS

ENVIROSTOR - CA: Department of Toxic Substances Controls

Agency Version Date: 04/06/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/01/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-327-1077  
Most Recent Contact: 04/06/2021

HIST TOXIC PITS - CA: Listing of Toxic Pit Cleanup Act sites that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/19/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5810  
Most Recent Contact: 04/22/2021

OIL & GAS CLEANUP - CA: List of SWRCB Oil & Gas Cleanup Sites from GeoTracker Site Cleanup Program database.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: California Regional Water Quality Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

SWRCB CLEANUP - CA: List of SWRCB Cleanups from Geotracker including CAF, Sampling Points, and Projects.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: California Regional Water Quality Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

**STATE- AND TRIBAL - EQUIVALENT CERCLIS (cont.)**

SWRCB NON\_CASE - CA: List of SWRCB Non-Case sites from GeoTracker Site Cleanup Program database.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: California Regional Water Quality Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

TOXIC PITS - CA: Listing of Toxic Pit Cleanup Act sites

Agency Version Date: 01/26/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/20/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5810  
Most Recent Contact: 04/23/2021

**STATE AND TRIBAL LEAKING STORAGE TANK LISTS**

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 02/02/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/26/2021

Agency: U.S. Environmental Protection Agency Region 1  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/29/2021

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 03/01/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/23/2021

Agency: U.S. Environmental Protection Agency Region 10  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/27/2021

INDIAN LUST R2: Leaking Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 05/05/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: U.S. Environmental Protection Agency Region 2  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/05/2021

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 03/01/2021  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 08/23/2021

Agency: U.S. Environmental Protection Agency Region 4  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/27/2021

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 02/15/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/10/2021

Agency: U.S. Environmental Protection Agency Region 5  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/14/2021

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 02/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/12/2021

Agency: U.S. Environmental Protection Agency Region 6  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/18/2021

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 02/15/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/10/2021

Agency: U.S. Environmental Protection Agency Region 7  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/14/2021

## STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 02/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/16/2021

Agency: U.S. Environmental Protection Agency Region 8  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/18/2021

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 04/29/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/26/2021

Agency: U.S. Environmental Protection Agency Region 9  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/29/2021

HIST LUST\_SONOMA COUNTY - CA: List of Sonoma County leaking underground storage tank sites that is no longer in current agency list.

Agency Version Date: 08/23/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 07/12/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 04/15/2021

LUFT\_ALAMEDA COUNTY - CA: Listing of Alameda County leaking underground fuel tank sites

Agency Version Date: 11/19/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 08/27/2021

Agency: Alameda County Environmental Health Services  
Agency Contact: 510-567-6721  
Most Recent Contact: 06/01/2021

LUST ORANGE COUNTY - CA: Orange county leaking underground storage tanks

Agency Version Date: 04/29/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/29/2021

Agency: Orange County Health Care Agency  
Agency Contact: 714-433-6000  
Most Recent Contact: 05/03/2021

LUST REG 1 - CA: Leaking underground storage tanks in Region 1: Del Norte Glenn Humboldt Lake Marin Mendocino Modoc Siskiyou Sonoma and Trinity counties.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

LUST REG 2 - CA: Leaking underground storage tanks in Region 2: Alameda Contra Costa San Francisco Santa Clara (north of Morgan Hill) San Mateo Marin Sonoma Napa Solano counties

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

LUST REG 3 - CA: Leaking underground storage tanks in Region 3: Santa Clara (south of Morgan Hill) San Mateo (southern part) Santa Cruz SanBenito Monterey Kern (some parts) San Luis Obispo Santa Barbara Ventura(northern part) counties

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

LUST REG 4 - CA: Leaking underground storage tanks in Region 4: Los Angeles Ventura counties (Small parts of Kern and Santa Barbara counties).

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021



## STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

LUST REG 5 - CA: Leaking underground storage tanks in Region 5: Modoc Shasta Lassen Plumas Butte Glen Colusa Lake Sutter Yuba Sierra Nevada Placer Yolo Napa (Northeast) Solano (West) Sacramento El Dorado Amador Calaveras San Joaquin Contra Costa (East) Stanislaus Toulumne Merced Mariposa Madera Kings Fresno Tulare Kern (Very small portions of San Benito and San Luis Obispo) counties

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

LUST REG 6 - CA: Leaking underground storage tanks in Region 6: Modoc (East) Lassen (East side and Eagle Lake) Sierra Nevada Placer El Dorado Alpine Mono Inyo Kern (East) San Bernardino Los Angeles (Northeast corner) counties

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

LUST REG 7 - CA: Leaking underground storage tanks in Region 7: Imperial San Bernardino Riverside and San Diego counties.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

LUST REG 8 - CA: Leaking underground storage tanks in Region 8: Orange Riverside San Bernardino counties.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

LUST REG 9 - CA: Leaking underground storage tanks in Region 9: San Diego Imperial Riverside counties.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

LUST\_HAZMAT\_YOLO COUNTY - CA: Yolo county leaking underground storage tank sites listing

Agency Version Date: 02/05/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/30/2021

Agency: Yolo County Environmental Health  
Agency Contact: 530-666-8646  
Most Recent Contact: 05/04/2021

LUST\_KERN COUNTY - CA: Kern County leaking underground tank sites

Agency Version Date: 05/04/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: CA Gov geotracker state water resources control bo  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/04/2021

LUST\_RIVERSIDE COUNTY - CA: Riverside county leaking underground storage tank sites

Agency Version Date: 05/04/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/04/2021

LUST\_SAN FRANCISCO COUNTY - CA: A listing of leaking underground storage tank sites located in San Francisco county.

Agency Version Date: 05/04/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/04/2021



**STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)**

LUST\_SAN MATEO COUNTY - CA: San Mateo county leaking underground storage tank listing

Agency Version Date: 05/04/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/04/2021

LUST\_SOLANO COUNTY - CA: Solano county leaking underground storage tank listing

Agency Version Date: 05/04/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/04/2021

LUST\_SONOMA COUNTY - CA: Sonoma county leaking underground storage tank sites listing

Agency Version Date: 05/04/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/04/2021

LUST\_SUTTER COUNTY - CA: Sutter County Leaking Underground Storage Tanks

Agency Version Date: 05/04/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/04/2021

LUST\_VENTURA COUNTY - CA: Ventura County leaking underground storage tank site listing

Agency Version Date: 05/04/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: CA Gov geotracker state water resources control board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/04/2021

SLIC REG 1 - CA: List of Region 1 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

SLIC REG 2 - CA: List of Region 2 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

SLIC REG 3 - CA: List of Region 3 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

SLIC REG 4 - CA: List of Region 4 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

SLIC REG 5 - CA: List of Region 5 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

## STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

SLIC REG 6 - CA: List of Region 6 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database that is no longer in current agency list.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

SLIC REG 7 - CA: List of Region 7 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

SLIC REG 8 - CA: List of Region 8 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

SLIC REG 9 - CA: List of Region 9 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database that is no longer in current agency list.

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

SLIC\_ALAMEDA COUNTY - CA: Listing of spills leaks investigation & cleanup sites

Agency Version Date: 01/16/2019  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/12/2021

Agency: Alameda County Environmental Health Services  
Agency Contact: 510-567-6721  
Most Recent Contact: 05/18/2021

## STATE- AND TRIBAL - EQUIVALENT NPL

HIST RESPONSE - CA: List of state response sites with confirmed releases and potential high risk that are no longer in current agency list.

Agency Version Date: 10/19/2017  
Agency Update Frequency: Annually  
Planned Next Contact: 08/24/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-327-1077  
Most Recent Contact: 05/28/2021

RESPONSE - CA: State response sites with confirmed releases and potential high risk

Agency Version Date: 04/06/2021  
Agency Update Frequency: Annually  
Planned Next Contact: 07/01/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-327-1077  
Most Recent Contact: 04/06/2021

## STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

HIST SWF/LF - CA: List of Solid Waste Information System's solid waste facilities and landfills that is no longer in current agency list.

Agency Version Date: 03/05/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 08/20/2021

Agency: Department of Resources Recycling and Recovery  
Agency Contact: 916-341-6066  
Most Recent Contact: 05/24/2021

**STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS (cont.)**

SWF/LF - CA: Solid Waste Information System's facility listing of solid waste facilities and landfills

Agency Version Date: 03/30/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/24/2021

Agency: Department of Resources Recycling and Recovery  
Agency Contact: 916-341-6066  
Most Recent Contact: 03/30/2021

**STATE RCRA GENERATORS LIST**

HWG - CA: Hazardous waste generator listing

Agency Version Date: 04/05/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/30/2021

Agency: Department of Toxic Substances Control  
Agency Contact: N/R  
Most Recent Contact: 04/05/2021

HWG\_YOLO COUNTY - CA: Listing of permitted hazardous waste generators

Agency Version Date: 02/05/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/30/2021

Agency: Yolo County Environmental Health  
Agency Contact: 530-666-8646  
Most Recent Contact: 05/04/2021

**STATE AND TRIBAL BROWNFIELD SITES**

TRIBAL BROWNFIELDS: Tribal brownfield remediation site listing

Agency Version Date: 02/10/2017  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 06/29/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/02/2021

**STATE AND TRIBAL VOLUNTARY CLEANUP SITES**

VCP - CA: Voluntary Cleanup Program remediation sites listing

Agency Version Date: 04/06/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/01/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 04/06/2021

**LOCAL BROWNFIELD LISTS**

BROWNFIELDS-ACRES: EPA Brownfields Assessment, Cleanup and Redevelopment Exchange System.

Agency Version Date: 12/28/2020  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/23/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 03/26/2021

FED BROWNFIELDS: Federal brownfield remediation sites

Agency Version Date: 02/05/2021  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 07/30/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/05/2021

**LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES**

FED CDL: The U.S. Department of Justice listing of clandestine drug lab locations

Agency Version Date: 04/26/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/23/2021

Agency: U.S. Department of Justice  
Agency Contact: 202-307-7610  
Most Recent Contact: 04/26/2021

**LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES (cont.)**

US HIST CDL: The U.S. Department of Justice historical listing of clandestine drug lab locations

Agency Version Date: 08/05/2019  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/25/2021

Agency: U.S. Department of Justice  
Agency Contact: 202-307-7610  
Most Recent Contact: 05/31/2021

CALARP\_KERN COUNTY - CA: Kern County hazardous material permitted facilities

Agency Version Date: 12/18/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 06/10/2021

Agency: County of Kern Public Health Services Department  
Agency Contact: 661-862-8740  
Most Recent Contact: 03/15/2021

CASE LIST\_SAN DIEGO COUNTY - CA: San Diego county listing of hazardous chemical releases

Agency Version Date: 05/07/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/03/2021

Agency: County of San Diego Department of Environmental Health  
Agency Contact: 619-338-2259  
Most Recent Contact: 05/07/2021

CDL - CA: Listing of Meth and clandestine drug labs maintained by the Department of Toxic Substances Control

Agency Version Date: 07/30/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 07/16/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 04/20/2021

CORRECTIVE ACTION\_RIVERSIDE COUNTY - CA: Riverside county corrective action sites list

Agency Version Date: 11/15/2017  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 06/28/2021

Agency: Riverside County Environmental Health  
Agency Contact: 888-722-4234  
Most Recent Contact: 04/01/2021

CS\_NAPA COUNTY - CA: Napa county listing of Contaminated sites

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: Napa County Department of Environmental Management  
Agency Contact: 707-253-4471  
Most Recent Contact: 05/11/2021

CS\_PLACER COUNTY - CA: Placer county cleanup sites listing

Agency Version Date: 02/09/2021  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 08/04/2021

Agency: Placer County Environmental Health  
Agency Contact: 530-745-2350  
Most Recent Contact: 05/07/2021

SCH - CA: Listing of possible hazardous material contamination sites on existing school properties

Agency Version Date: 05/07/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/03/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 05/07/2021

SITE LIST\_CONTRA COSTA COUNTY - CA: Listing of underground tank hazardous waste generator and business plan sites in Contra Costa County

Agency Version Date: 02/26/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/20/2021

Agency: Contra Costa Health Services Department  
Agency Contact: 925-335-3200  
Most Recent Contact: 05/25/2021

## LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES (cont.)

TOXIC SITE\_SACRAMENTO COUNTY - CA: Sacramento County listing of historical sites where unauthorized releases of potentially hazardous materials have occurred

Agency Version Date: 03/01/2021

Agency Update Frequency: No Longer Maintained

Planned Next Contact: 08/24/2021

Agency: Sacramento County Environmental Management

Agency Contact: 916-875-8550

Most Recent Contact: 05/28/2021

## RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT): Hazardous Material spills reported by the Department of Transportation

Agency Version Date: 04/02/2021

Agency Update Frequency: Varies

Planned Next Contact: 06/29/2021

Agency: U.S. Department of Transportation

Agency Contact: (202) 366-4996

Most Recent Contact: 04/02/2021

CHMIRS - CA: California Hazardous Material Incident Reporting System's reported accidental hazardous material incidents releases or spills

Agency Version Date: 04/23/2021

Agency Update Frequency: Varies

Planned Next Contact: 07/21/2021

Agency: California Emergency Management Agency

Agency Contact: 916-845-8275

Most Recent Contact: 04/23/2021

HIST CHMIRS - CA: California Hazardous Material Incident Reporting System's reported accidental hazardous material incidents releases or spills

Agency Version Date: 04/06/2017

Agency Update Frequency: Quarterly

Planned Next Contact: 08/20/2021

Agency: California Emergency Management Agency

Agency Contact: 916-845-8275

Most Recent Contact: 05/25/2021

INDUSTRIAL CLEANUP\_ORANGE COUNTY - CA: Petroleum and non-petroleum industrial spills

Agency Version Date: 03/01/2021

Agency Update Frequency: Annually

Planned Next Contact: 06/09/2021

Agency: Orange County Health Care Agency

Agency Contact: 714-433-6000

Most Recent Contact: 03/12/2021

SML\_LOS ANGELES COUNTY - CA: Listing of all Emergency Response session spills

Agency Version Date: 05/11/2021

Agency Update Frequency: Quarterly

Planned Next Contact: 08/05/2021

Agency: Los Angeles Department of Public Health

Agency Contact: 323-890-7808

Most Recent Contact: 02/11/2021

## LOCAL LAND RECORDS

LIENS 2: Comprehensive Environmental Response Compensation and Liability Act sites with liens

Agency Version Date: 05/11/2017

Agency Update Frequency: No Longer Maintained

Planned Next Contact: 06/28/2021

Agency: U.S. Environmental Protection Agency

Agency Contact: 800-424-9346

Most Recent Contact: 04/01/2021

DEED - CA: The Department of Toxic Substances Control's listing of property locations with Deed restrictions

Agency Version Date: 05/10/2021

Agency Update Frequency: Semi Annually

Planned Next Contact: 08/05/2021

Agency: Department of Toxic Substances Control

Agency Contact: 916-341-5791

Most Recent Contact: 05/10/2021

## LOCAL LAND RECORDS (cont.)

HIST LIENS - CA: The Department of Toxic Substances Control's listing of property locations with environmental liens that is no longer in current agency list.

Agency Version Date: 12/04/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 08/17/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 05/21/2021

LIENS - CA: The Department of Toxic Substances Control's listing of property locations with environmental liens

Agency Version Date: 03/25/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/21/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 03/25/2021

## LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8: List of Region 8 Indian land open dump inventory sites maintained within the STARS program that is no longer in current agency list.

Agency Version Date: 11/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 07/23/2021

Agency: Indian Health Service  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/28/2021

INDIAN ODI R8: Region 8 Indian land open dump inventory sites maintained within the STARS program

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: Indian Health Service  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/11/2021

ODI: Open dump inventory sites

Agency Version Date: 10/03/2017  
Agency Update Frequency: No Update  
Planned Next Contact: 08/20/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 05/24/2021

TRIBAL ODI: Indian land open dump inventory for all regions

Agency Version Date: 03/10/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/31/2021

Agency: Indian Health Service  
Agency Contact: 301-443-3593  
Most Recent Contact: 06/04/2021

HAULERS - CA: Waste Tire Manifest Program Hauler Registration listing

Agency Version Date: 01/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/07/2021

Agency: California Department of Resources Recycling and Recovery (CalRecycle)  
Agency Contact: 916-341-6066  
Most Recent Contact: 04/09/2021

LF\_SAN DIEGO COUNTY - CA: San Diego county landfill listing

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: County of San Diego Department of Environmental Health  
Agency Contact: 858-694-2801  
Most Recent Contact: 05/11/2021

SWF\_LOS ANGELES COUNTY - CA: Listing of Los Angeles County solid waste facilities

Agency Version Date: 03/15/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/09/2021

Agency: LA County Department of Public Works  
Agency Contact: 800-320-1771  
Most Recent Contact: 03/15/2021

## LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES (cont.)

SWRCY - CA: Listing of facilities which perform recycled material processing activities

Agency Version Date: 02/26/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/23/2021

Agency: California Department of Resources Recycling and Recovery (CalRecycle)  
Agency Contact: 916-341-6066  
Most Recent Contact: 05/26/2021

## OTHER ASCERTAINABLE RECORDS

AFS: Air Facility Systems Quarterly Extract

Agency Version Date: 02/16/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/10/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 05/14/2021

ALT FUELING: Alternative Fueling Stations by fuel type.

Agency Version Date: 04/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/08/2021

Agency: U.S. Department of Energy  
Agency Contact: N/R  
Most Recent Contact: 04/12/2021

AST PBS: Bulk petroleum terminals with a total bulk storage capacity of 50,000 barrels or more.

Agency Version Date: 03/09/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/31/2021

Agency: Department of Homeland Security  
Agency Contact: 202-853-5361  
Most Recent Contact: 06/04/2021

BRS: Reporting of hazardous waste generation and management from large quantity generators

Agency Version Date: 04/13/2021  
Agency Update Frequency: Biennial  
Planned Next Contact: 07/09/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 04/13/2021

CDC HAZDAT: The Agency for Toxic Substances and Disease Registry's Hazardous Substance Release/Health Effects Database.

Agency Version Date: 08/21/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: Agency for Toxic Substances and Disease Registry  
Agency Contact: 770-488-6399  
Most Recent Contact: 05/11/2021

COAL ASH DOE: List of existing and planned generators with 1 megawatt or greater of combined capacity that are utilizing coal ash impoundments.

Agency Version Date: 04/07/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/02/2021

Agency: Department of Energy  
Agency Contact: (202) 586-8800  
Most Recent Contact: 04/07/2021

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Agency Version Date: 02/18/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/11/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 05/17/2021

COAL GAS: Manufactured Gas Plant locations

Agency Version Date: 01/22/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/16/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/20/2021



## OTHER ASCERTAINABLE RECORDS (cont.)

CONSENT (DECREES): Legal decisions regarding responsibility for Superfund locations

Agency Version Date: 02/10/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/05/2021

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 05/10/2021

CORRECTIVE ACTIONS\_2020: In 2009 the EPA created the 2020 Corrective Action Baseline list of contaminated or potentially contaminated sites with a cleanup goal to complete 95% by the year 2020. The names on the list indicate the facility owners who may or may not have caused the contamination.

Agency Version Date: 12/21/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 07/30/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: N/R  
Most Recent Contact: 05/04/2021

DEBRIS EPA LF: EPA list of designated landfill facilities for the safe disposal of disaster debris.

Agency Version Date: 04/27/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/23/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/27/2021

DEBRIS EPA SWRCY: EPA list of facilities for the safe recovery, recycling, and disposal of disaster debris.

Agency Version Date: 04/27/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/23/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 04/27/2021

DOD: Department of Defense sites

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 05/11/2021

DOT OPS: Incident Data Report

Agency Version Date: 11/30/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 08/23/2021

Agency: U.S. Department of Transportation  
Agency Contact: (202) 366-4996  
Most Recent Contact: 05/26/2021

ECHO: ECHO is EPA Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations related to CAA, CWA, RCRA, & SDWA.

Agency Version Date: 04/05/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/01/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-1667  
Most Recent Contact: 04/05/2021

ENOI: The Electronic Notice of Intent (eNOI) database contains construction sites and industrial facilities that submit permit requests to EPA for Construction General Permits (CGP) and Multi-Sector General Permits (MSGP).

Agency Version Date: 09/25/2020  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/15/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 03/19/2021

EPA FUELS: List of companies and facilities registered to participate in EPA Fuel Programs under Title 40 CFR Part 80.

Agency Version Date: 02/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/16/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: (202) 564-2307  
Most Recent Contact: 05/18/2021



## OTHER ASCERTAINABLE RECORDS (cont.)

EPA OSC: Listing of oil spills and hazardous substance release sites requiring EPA On-Site Coordinators.

Agency Version Date: 10/09/2020  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/29/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: (202) 564-2307  
Most Recent Contact: 04/02/2021

EPA WATCH: The EPA Watch List was used 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. EPA maintained the lists from 2011 - 2013.

Agency Version Date: 02/09/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 06/28/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: (202) 564-2307  
Most Recent Contact: 04/01/2021

FA HWF: Hazardous Waste Facilities with Financial Assurance

Agency Version Date: 04/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/15/2021

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 04/19/2021

FEDLAND: Federal land locations

Agency Version Date: 01/06/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 05/11/2021

FRS: Facility Registry Systems

Agency Version Date: 02/23/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/19/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 05/24/2021

FTTS: Tracking of administrative and enforcement activities related to FIFRA/TSCA

Agency Version Date: 04/16/2013  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 07/15/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-2280  
Most Recent Contact: 04/19/2021

FTTS INSP: Tracking of inspections related to FIFRA/TSCA

Agency Version Date: 05/08/2017  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 07/09/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-2280  
Most Recent Contact: 04/13/2021

FUDS: Defense sites that require cleanup

Agency Version Date: 02/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/16/2021

Agency: US Army Corps of Engineering  
Agency Contact: (202) 761-0011  
Most Recent Contact: 05/19/2021

HIST AFS: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 06/14/2019  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/28/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 04/01/2021

## OTHER ASCERTAINABLE RECORDS (cont.)

HIST AFS 2: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 04/30/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/28/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 04/30/2021

HIST DOD: Department of Defense historical sites

Agency Version Date: 08/17/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 08/06/2021

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 05/11/2021

HIST LEAD\_SMELTER: List of former lead smelter sites that is no longer in current agency list.

Agency Version Date: 12/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 07/15/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 04/19/2021

HIST MLTS: List of sites in possession/use of radioactive materials regulated by NRC that is no longer in current agency list.

Agency Version Date: 07/13/2016  
Agency Update Frequency: Annually  
Planned Next Contact: 07/23/2021

Agency: Nuclear Regulatory Commission  
Agency Contact: (800) 397-4209  
Most Recent Contact: 04/28/2021

HIST PCB TRANS: List of PCB Disposal Facilities that are no longer in current agency list.

Agency Version Date: 01/18/2018  
Agency Update Frequency: No Update  
Planned Next Contact: 08/13/2021

Agency: Environmental Protection Agency  
Agency Contact: (703) 308-8404  
Most Recent Contact: 05/17/2021

HIST PCS ENF: List of permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/08/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 08/30/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 06/03/2021

HIST PCS FACILITY: List of Permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/18/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 08/30/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 06/03/2021

HIST SSTs: List of tracking of facilities who produce pesticides and their quantity that are no longer in current agency list.

Agency Version Date: 02/13/2019  
Agency Update Frequency: Annually  
Planned Next Contact: 08/17/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 05/21/2021

HWC DOCKET: Listing of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste.

Agency Version Date: 02/16/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/13/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: (202) 564-2307  
Most Recent Contact: 05/17/2021

**OTHER ASCERTAINABLE RECORDS (cont.)**

ICIS: Comprised of all Federal Administrative and Judicial enforcement information [intended to replace PCS] by tracking enforcement and compliance information (also contains what used to be known as FFTS)

Agency Version Date: 01/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/07/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 04/09/2021

INACTIVE PCS: Inactive Permitted facilities to discharge wastewater

Agency Version Date: 01/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/07/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 04/09/2021

INDIAN RESERVATION: Indian Reservation sites

Agency Version Date: 01/21/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/15/2021

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 04/19/2021

LUCIS: Land Use Control Information Systems

Agency Version Date: 07/24/2020  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/01/2021

Agency: Department of the Navy: BRAC PMO  
Agency Contact: (619) 532-0900  
Most Recent Contact: 04/06/2021

LUCIS 2: Land Use Control Information Systems

Agency Version Date: 01/17/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 08/13/2021

Agency: Department of the Navy: BRAC PMO  
Agency Contact: (619) 532-0900  
Most Recent Contact: 05/18/2021

MINES: Mines Master Index Files

Agency Version Date: 04/09/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/06/2021

Agency: Department of Labor  
Agency Contact: (202) 693-9400  
Most Recent Contact: 04/09/2021

MINES USGS: Listing of all active mines and mineral plants in 2003

Agency Version Date: 04/13/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/09/2021

Agency: USGS Mineral Resources Program  
Agency Contact: (703) 648-5953  
Most Recent Contact: 04/13/2021

MLTS: Sites in possession/use of radioactive materials regulated by NRC

Agency Version Date: 05/19/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 07/30/2021

Agency: Nuclear Regulatory Commission  
Agency Contact: (800) 397-4209  
Most Recent Contact: 05/04/2021

NPL AOC: Areas of Concern related to NPL remediation sites

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: Environmental Protection Agency  
Agency Contact: N/R  
Most Recent Contact: 05/11/2021

NPL LIENS: National Priority List of sites with Liens

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

## OTHER ASCERTAINABLE RECORDS (cont.)

OSHA: OSHA's listing of inspections violations and fatality information

Agency Version Date: 04/08/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/05/2021

Agency: Occupational Safety & Health Administration  
Agency Contact: 800-321-6742  
Most Recent Contact: 04/08/2021

PADS: Listing of generators transporters commercial store/ brokers and disposers of PCB

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: Environmental Protection Agency  
Agency Contact: (703) 308-8404  
Most Recent Contact: 05/11/2021

PCB TRANSFORMER: Disposal and Storage of Polychlorinated Biphenyl (PCB) Waste

Agency Version Date: 02/24/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/20/2021

Agency: Environmental Protection Agency  
Agency Contact: (703) 308-8404  
Most Recent Contact: 05/24/2021

PCS ENF: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 01/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/07/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 04/09/2021

PCS FACILITY: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 01/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/07/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 04/09/2021

RAATS: Listing of major violators with enforcement actions issued under RCRA. Includes administrative and civil actions filed by the EPA. This dataset is no longer maintained.

Agency Version Date: 09/23/2019  
Agency Update Frequency: Varies  
Planned Next Contact: 07/30/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 05/04/2021

RADINFO: EPA regulated facilities with radiation and radioactive materials

Agency Version Date: 08/01/2019  
Agency Update Frequency: Varies  
Planned Next Contact: 07/19/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 04/22/2021

RMP: Facilities producing/handling/ process/ distribute/ store specific chemicals report plans required by the Clean Air Act

Agency Version Date: 03/17/2020  
Agency Update Frequency: Monthly  
Planned Next Contact: 07/13/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-2534  
Most Recent Contact: 04/16/2021

ROD: Permanent remedy at an NPL site

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 05/11/2021

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners

Agency Version Date: 12/18/2020  
Agency Update Frequency: No Update  
Planned Next Contact: 06/14/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 03/16/2021

## OTHER ASCERTAINABLE RECORDS (cont.)

SEMS\_SMELTER: This report includes sites that have smelting-related, or potentially smelting-related, indicators in the SEMS database. The report includes information on the site location as well as contaminants of concern.

Agency Version Date: 02/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 05/11/2021

SSTS: Tracking of facilities who produce pesticides and their quantity

Agency Version Date: 03/23/2021  
Agency Update Frequency: Annually  
Planned Next Contact: 06/18/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 03/23/2021

STORMWATER: Permitted storm water sites

Agency Version Date: 01/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/06/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 04/09/2021

TOSCA-PLANT: Plants controlled by the Toxic Substance Control Act

Agency Version Date: 03/26/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/23/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 03/26/2021

TRIS: Information regarding toxic chemicals that are being used/manufactured/ treated/ transported/released into the environment

Agency Version Date: 04/09/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/06/2021

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 04/09/2021

UMTRA: Uranium Recovery Sites

Agency Version Date: 01/14/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/08/2021

Agency: United States Nuclear Regulatory Commission  
Agency Contact: (301) 415-8200  
Most Recent Contact: 04/12/2021

VAPOR: EPA Vapor Intrusion Database

Agency Version Date: 03/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/15/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 03/19/2021

AOC\_SAN GABRIEL VALLEY - CA: San Gabriel Valley Superfund sites

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: U.S. Environmental Protection Agency  
Agency Contact: 415-972-3181  
Most Recent Contact: 05/11/2021

BOND EXPENDITURE PLAN - CA: Hazardous Substance Cleanup Bond Act of 1984 Article 7.5 of Health and Safety Code 25385 listing of orphan sites

Agency Version Date: 04/06/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/01/2021

Agency: Department of Toxic Substance Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 04/06/2021

## OTHER ASCERTAINABLE RECORDS (cont.)

BP HW OUT\_VENTURA COUNTY - CA: Ventura County Business Plan Hazardous Waste Producers and Operating Underground Tanks

Agency Version Date: 02/23/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/18/2021

Agency: Ventura County Environmental Health Division  
Agency Contact: 805-654-2815  
Most Recent Contact: 05/21/2021

BUSINESS INVENTORY\_SAN MATEO COUNTY - CA: San Mateo County listing of underground storage tanks, hazardous materials, business plans, and hazardous waste generators

Agency Version Date: 04/19/2021  
Agency Update Frequency: Annually  
Planned Next Contact: 07/15/2021

Agency: San Mateo County Environmental Health Services Division  
Agency Contact: 650-372-6200  
Most Recent Contact: 04/19/2021

CALEPA SITES - CA: CalEPA Regulated Sites from the Certified Unified Program Agencies (CUPA).

Agency Version Date: 04/16/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/13/2021

Agency: California Environmental Protection Agency Unified Program Section  
Agency Contact: 916-327-5092  
Most Recent Contact: 04/16/2021

CIWQS - CA: California Integrated Water Quality System database facilities listing which includes owner information, violations, inspections, and other regulatory matters

Agency Version Date: 01/05/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/29/2021

Agency: CA State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 04/02/2021

CIWQS 2 - CA: California Integrated Water Quality System database facilities listing which includes owner information violations inspections and other regulatory matters

Agency Version Date: 01/26/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/20/2021

Agency: CA State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 04/23/2021

CORTESE - CA: Compliance document used in providing information about the location of hazardous material release sites utilized by the state local agencies and developers

Agency Version Date: 01/05/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/01/2021

Agency: Department of Toxic Substance Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 04/05/2021

CUPA\_BUTTE COUNTY - CA: Listing of the Butte County Certified Unified Program Agency's hazardous material program sites

Agency Version Date: 03/19/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 06/08/2021

Agency: Butte County Environmental Health  
Agency Contact: 530.538.7281  
Most Recent Contact: 03/12/2021

CUPA\_FRESNO COUNTY - CA: Listing of the Fresno County Certified Unified Program Agency's hazardous material program sites

Agency Version Date: 04/09/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/07/2021

Agency: Fresno County Department of Public Health  
Agency Contact: 559-600-3271  
Most Recent Contact: 04/09/2021

CUPA\_PLACER COUNTY - CA: Listing of the Placer County Certified Unified Program Agency's hazardous material program sites

Agency Version Date: 02/09/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/04/2021

Agency: Placer County Environmental Health  
Agency Contact: 530-745-2350  
Most Recent Contact: 05/07/2021

**OTHER ASCERTAINABLE RECORDS (cont.)**

## DAYCARE - CA: List of daycare locations

Agency Version Date: 01/26/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/26/2021

Agency: California Department of Social Services  
Agency Contact: 916-651-6040  
Most Recent Contact: 04/27/2021

## DRYCLEANERS - CA: Listing of drycleaning facilities

Agency Version Date: 09/09/2014  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/30/2021

Agency: California EPA Air Resources Board  
Agency Contact: 916-324-3013  
Most Recent Contact: 04/05/2021

## DRYCLEANERS\_AMADOR COUNTY - CA: Listing of drycleaning facilities in Amador County

Agency Version Date: 11/02/2016  
Agency Update Frequency: Varies  
Planned Next Contact: 06/18/2021

Agency: Amador County APCD  
Agency Contact: (209) 223-6439  
Most Recent Contact: 03/23/2021

## DRYCLEANERS\_ANTELOPE VALLEY - CA: Listing of drycleaning facilities in Antelope Valley

Agency Version Date: 02/26/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/20/2021

Agency: Antelope Valley AQMD  
Agency Contact: 661-723-8070  
Most Recent Contact: 05/25/2021

## DRYCLEANERS\_BAY AREA - CA: Listing of drycleaning facilities in Bay Area

Agency Version Date: 01/08/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/01/2021

Agency: Bay Area AQMD  
Agency Contact: 415-749-4784  
Most Recent Contact: 04/06/2021

## DRYCLEANERS\_BUTTE COUNTY - CA: Listing of drycleaning facilities in Butte County

Agency Version Date: 12/11/2019  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 08/06/2021

Agency: Butte County AQMD  
Agency Contact: 530-332-9400 ext. 107  
Most Recent Contact: 05/11/2021

## DRYCLEANERS\_CALAVERAS COUNTY - CA: Listing of drycleaning facilities in Calaveras County

Agency Version Date: 11/19/2015  
Agency Update Frequency: Varies  
Planned Next Contact: 07/30/2021

Agency: Calaveras County APCD  
Agency Contact: 209-754-6504  
Most Recent Contact: 05/04/2021

## DRYCLEANERS\_COLUSA COUNTY - CA: Listing of drycleaning facilities in Colusa County

Agency Version Date: 09/08/2014  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: Colusa County APCD  
Agency Contact: 530-458-0590  
Most Recent Contact: 05/11/2021

## DRYCLEANERS\_EASTERN KERN COUNTY - CA: Listing of drycleaning facilities in Eastern Kern County

Agency Version Date: 06/25/2019  
Agency Update Frequency: Varies  
Planned Next Contact: 08/04/2021

Agency: Eastern Kern County APCD  
Agency Contact: 661-862-5250  
Most Recent Contact: 05/07/2021

## DRYCLEANERS\_EL DORADO COUNTY - CA: Listing of drycleaning facilities in El Dorado County

Agency Version Date: 03/18/2016  
Agency Update Frequency: Varies  
Planned Next Contact: 08/04/2021

Agency: El Dorado County AQMD  
Agency Contact: 530-621-7503  
Most Recent Contact: 05/07/2021



## OTHER ASCERTAINABLE RECORDS (cont.)

DRYCLEANERS\_FEATHER RIVER - CA: Listing of drycleaning facilities in Feather River

Agency Version Date: 04/13/2018  
Agency Update Frequency: Varies  
Planned Next Contact: 06/29/2021

Agency: Feather River AQMD  
Agency Contact: 530-634-7659 ext. 205  
Most Recent Contact: 04/02/2021

DRYCLEANERS\_GLENN COUNTY - CA: Listing of drycleaning facilities in Glenn County

Agency Version Date: 10/29/2012  
Agency Update Frequency: Varies  
Planned Next Contact: 08/20/2021

Agency: Glenn County APCD  
Agency Contact: 530-934-6500  
Most Recent Contact: 05/25/2021

DRYCLEANERS\_GREAT BASIN UNIFIED - CA: Listing of drycleaning facilities in the Great Basin Unified region

Agency Version Date: 09/09/2014  
Agency Update Frequency: Varies  
Planned Next Contact: 07/13/2021

Agency: Great Basin Unified APCD  
Agency Contact: 760-872-8211 ext. 228  
Most Recent Contact: 04/16/2021

DRYCLEANERS\_IMPERIAL COUNTY - CA: Listing of drycleaning facilities in Imperial County

Agency Version Date: 02/12/2021  
Agency Update Frequency: Annually  
Planned Next Contact: 08/06/2021

Agency: Imperial County APCD  
Agency Contact: 760-482-4606  
Most Recent Contact: 05/11/2021

DRYCLEANERS\_LAKE COUNTY - CA: Listing of drycleaning facilities in Lake County

Agency Version Date: 03/29/2016  
Agency Update Frequency: Varies  
Planned Next Contact: 07/30/2021

Agency: Lake County AQMD  
Agency Contact: 707-263-7000  
Most Recent Contact: 05/04/2021

DRYCLEANERS\_LASSEN COUNTY - CA: Listing of drycleaning facilities in Lassen County

Agency Version Date: 11/27/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 08/17/2021

Agency: Lassen County APCD  
Agency Contact: 530-257-1045  
Most Recent Contact: 05/21/2021

DRYCLEANERS\_MENDOCINO COUNTY - CA: Listing of drycleaning facilities in Mendocino County

Agency Version Date: 08/24/2016  
Agency Update Frequency: Varies  
Planned Next Contact: 07/26/2021

Agency: Mendocino County AQMD  
Agency Contact: 707-463-4354  
Most Recent Contact: 04/27/2021

DRYCLEANERS\_MOJAVE DESERT - CA: Listing of drycleaning facilities in the Mojave Desert region

Agency Version Date: 02/26/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/20/2021

Agency: Mojave Desert AQMD  
Agency Contact: 661-723-8070  
Most Recent Contact: 05/25/2021

DRYCLEANERS\_MONTEREY BAY - CA: Listing of drycleaning facilities in the Monterey Bay region

Agency Version Date: 03/23/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/18/2021

Agency: Monterey Bay Unified APCD  
Agency Contact: 831-647-9418 ext.240  
Most Recent Contact: 03/23/2021

DRYCLEANERS\_NORTH COAST UNIFIED - CA: Listing of drycleaning facilities in the North Coast region

Agency Version Date: 11/01/2017  
Agency Update Frequency: Varies  
Planned Next Contact: 07/09/2021

Agency: North Coast Unified AQMD  
Agency Contact: 707-443-3093 ext. 111  
Most Recent Contact: 04/13/2021



## OTHER ASCERTAINABLE RECORDS (cont.)

DRYCLEANERS\_NORTHERN SIERRA - CA: Listing of drycleaning facilities in the Northern Sierra region

Agency Version Date: 09/08/2014  
Agency Update Frequency: No Update  
Planned Next Contact: 06/11/2021

Agency: Northern Sierra AQMD  
Agency Contact: 530-274-9360 ext. 106  
Most Recent Contact: 03/15/2021

DRYCLEANERS\_NORTHERN SONOMA COUNTY - CA: Listing of drycleaning facilities in Northern Sonoma County

Agency Version Date: 06/01/2018  
Agency Update Frequency: Varies  
Planned Next Contact: 08/20/2021

Agency: Northern Sonoma County APCD  
Agency Contact: 707-433-5911  
Most Recent Contact: 05/25/2021

DRYCLEANERS\_PLACER COUNTY - CA: Listing of drycleaning facilities in Placer County

Agency Version Date: 05/02/2018  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/31/2021

Agency: Placer County APCD  
Agency Contact: 530-745-2324  
Most Recent Contact: 06/04/2021

DRYCLEANERS\_SACRAMENTO COUNTY - CA: Listing of drycleaning facilities in Sacramento County

Agency Version Date: 12/25/2020  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/18/2021

Agency: Sacramento Metro AQMD  
Agency Contact: 916-874-4817  
Most Recent Contact: 03/23/2021

DRYCLEANERS\_SAN DIEGO COUNTY - CA: Listing of drycleaning facilities in San Diego County

Agency Version Date: 05/20/2019  
Agency Update Frequency: Varies  
Planned Next Contact: 08/20/2021

Agency: San Diego County APCD  
Agency Contact: 858-586-2618  
Most Recent Contact: 05/25/2021

DRYCLEANERS\_SAN JOAQUIN VALLEY - CA: Listing of drycleaning facilities in the San Joaquin Valley

Agency Version Date: 02/23/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/13/2021

Agency: San Joaquin Valley APCD  
Agency Contact: 559-230-5936  
Most Recent Contact: 05/18/2021

DRYCLEANERS\_SAN LUIS OBISPO - CA: Listing of drycleaning facilities in the San Luis Obispo region

Agency Version Date: 11/30/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 08/24/2021

Agency: San Luis Obispo County APCD  
Agency Contact: 805-781-5912  
Most Recent Contact: 05/28/2021

DRYCLEANERS\_SANTA BARBARA COUNTY - CA: Listing of drycleaning facilities in Santa Barbara County

Agency Version Date: 02/25/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/20/2021

Agency: Santa Barbara County APCD  
Agency Contact: 805-961-8867  
Most Recent Contact: 05/24/2021

DRYCLEANERS\_SHASTA COUNTY - CA: Listing of drycleaning facilities in Shasta County

Agency Version Date: 02/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: Shasta County AQMD  
Agency Contact: 530-225-5674  
Most Recent Contact: 05/11/2021

DRYCLEANERS\_SISKIYOU COUNTY - CA: Listing of drycleaning facilities in Siskiyou County

Agency Version Date: 09/08/2014  
Agency Update Frequency: Varies  
Planned Next Contact: 07/23/2021

Agency: Siskiyou County APCD  
Agency Contact: N/R  
Most Recent Contact: 04/27/2021

## OTHER ASCERTAINABLE RECORDS (cont.)

DRYCLEANERS\_SOUTH COAST - CA: Listing of drycleaning facilities in the South Coast region

Agency Version Date: 03/05/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/27/2021

Agency: South Coast AQMD  
Agency Contact: 909-396-2000  
Most Recent Contact: 06/01/2021

DRYCLEANERS\_TEHAMA COUNTY - CA: Listing of drycleaning facilities in Tehama County

Agency Version Date: 03/12/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/08/2021

Agency: Tehama County APCD  
Agency Contact: 530-527-3717 ext.100  
Most Recent Contact: 03/12/2021

DRYCLEANERS\_TUOLUMNE COUNTY - CA: Listing of drycleaning facilities in Tuolumne County

Agency Version Date: 09/21/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 06/11/2021

Agency: Tuolumne County APCD  
Agency Contact: 209-533-6678  
Most Recent Contact: 03/16/2021

DRYCLEANERS\_VENTURA COUNTY - CA: Listing of drycleaning facilities in Ventura County

Agency Version Date: 02/27/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 08/04/2021

Agency: Ventura County APCD  
Agency Contact: 805-645-1405  
Most Recent Contact: 05/07/2021

DRYCLEANERS\_YOLO-SOLANO COUNTIES - CA: Listing of drycleaning facilities in Yolo and Solano Counties

Agency Version Date: 04/05/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/24/2021

Agency: Yolo-Solano AQMD  
Agency Contact: 530-757-3664  
Most Recent Contact: 05/28/2021

EMI - CA: An estimation of air pollution for a listing of air permitted facilities

Agency Version Date: 03/23/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/18/2021

Agency: California Air Resources Board  
Agency Contact: 916-327-6251  
Most Recent Contact: 03/23/2021

FA - CA: Listing of the Department of Toxic Substance Control's Financial Assurance report sites and facilities

Agency Version Date: 02/05/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/30/2021

Agency: Department of Toxic Substance Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 05/04/2021

FA 2 - CA: Financial Assurance Information for solid waste facilities

Agency Version Date: 02/27/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 07/23/2021

Agency: Department of Environment & Natural Resources  
Agency Contact: 916-341-6066  
Most Recent Contact: 04/27/2021

GCC\_SANTA CLARA VALLEY - CA: Santa Clara Valley groundwater contamination cleanups listing

Agency Version Date: 03/11/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 09/01/2021

Agency: CA State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 06/07/2021

HAZMAT INCIDENT\_CONTRA COSTA COUNTY - CA: Listing of hazardous material incident sites since 1993 in Contra Costa County

Agency Version Date: 02/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/13/2021

Agency: Contra Costa Health Services Department  
Agency Contact: 925-335-3200  
Most Recent Contact: 05/18/2021

## OTHER ASCERTAINABLE RECORDS (cont.)

HAZMAT\_CITY OF SAN JOSE - CA: City of San Jose hazardous material facilities listing

Agency Version Date: 01/05/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/29/2021

Agency: Santa Clara County Department of Environmental Health  
Agency Contact: 408-918-1951  
Most Recent Contact: 04/02/2021

HAZMAT\_SACRAMENTO COUNTY - CA: Sacramento county hazardous material facilities listing

Agency Version Date: 02/26/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/20/2021

Agency: Sacramento County Environmental Management  
Agency Contact: 916-875-8550  
Most Recent Contact: 05/25/2021

HAZMAT\_SAN BERNARDINO COUNTY - CA: San Bernardino county listing of hazardous material permitted facilities

Agency Version Date: 02/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/13/2021

Agency: San Bernardino County Fire Department Hazardous Materials Division  
Agency Contact: 909-386-8419  
Most Recent Contact: 05/18/2021

HAZMAT\_SAN DIEGO COUNTY - CA: San Diego county listing of hazardous material permitted facilities

Agency Version Date: 02/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/13/2021

Agency: Hazardous Materials Management Division  
Agency Contact: 858-505-6700  
Most Recent Contact: 02/19/2021

HAZMAT\_SANTA CLARA COUNTY - CA: Santa Clara county hazardous material facilities listing

Agency Version Date: 09/15/2020  
Agency Update Frequency: Annually  
Planned Next Contact: 08/31/2021

Agency: Santa Clara Department of Environmental Health  
Agency Contact: 408-918-3428  
Most Recent Contact: 06/04/2021

HAZNET - CA: Listing of hazardous waste manifests from when hazardous waste is transported from generators to permitted recycling treatment storage or disposal facilities by registered hazardous waste transporters

Agency Version Date: 07/07/2019  
Agency Update Frequency: Annually  
Planned Next Contact: 06/30/2021

Agency: California Environmental Protection Agency  
Agency Contact: 916-341-5791  
Most Recent Contact: 04/05/2021

HAZWASTE\_ORANGE COUNTY - CA: Orange County hazardous waste facilities

Agency Version Date: 02/23/2021  
Agency Update Frequency: Annually  
Planned Next Contact: 08/18/2021

Agency: Orange County Health Care Agency  
Agency Contact: 714-433-6000  
Most Recent Contact: 05/21/2021

HIGH FIRE - CA: Fire hazard severity zones mapped as areas of significant fire hazards on the basis of fuels terrain weather and other factors

Agency Version Date: 03/22/2021  
Agency Update Frequency: No update  
Planned Next Contact: 06/17/2021

Agency: California Department of Forestry and Fire Protection  
Agency Contact: 916-445-4302  
Most Recent Contact: 03/22/2021

HIST CORTESE - CA: The historical compliance document used in providing information about the location of hazardous material release sites utilized by the state local agencies and developers

Agency Version Date: 02/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/13/2021

Agency: Department of Toxic Substance Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 05/18/2021

**OTHER ASCERTAINABLE RECORDS (cont.)**

HIST HAZNET - CA: List of hazardous waste manifests from when hazardous waste is transported from generators to permitted recycling treatment storage or disposal facilities by registered hazardous waste transporters that are no longer in current agency list.

Agency Version Date: 10/10/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 08/30/2021

Agency: California Environmental Protection Agency  
Agency Contact: 916-341-5791  
Most Recent Contact: 06/03/2021

HIST HMS\_LOS ANGELES COUNTY - CA: List of Los Angeles county industrial waste and underground storage tank sites that are no longer in current agency list.

Agency Version Date: 09/15/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 06/28/2021

Agency: County of Los Angeles Department of Public Works  
Agency Contact: 626-458-3518  
Most Recent Contact: 04/01/2021

HIST HWP - CA: List of the Department of Toxic Substance Control's hazardous waste transporters and corrective action that are no longer in current agency list.

Agency Version Date: 01/18/2019  
Agency Update Frequency: Annually  
Planned Next Contact: 08/03/2021

Agency: Department of Toxic Substance Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 05/07/2021

HIST LDS - CA: List of areas of land on or in which hazardous waste is placed or the largest area in which there is significant likelihood of mixing hazardous waste constituents in the same area that are no longer in current agency list.

Agency Version Date: 05/20/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 06/09/2021

Agency: State Water Quality Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 03/15/2021

HIST MCS - CA: List of the State Water Resources Control Boards investigation and remediation of water quality issues at military facilities that is no longer in current agency list.

Agency Version Date: 09/24/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 06/28/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 04/01/2021

HIST NFA - CA: Historical No further action cleanup sites listing

Agency Version Date: 02/21/2019  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/20/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 05/25/2021

HMS\_LOS ANGELES COUNTY - CA: Listing of Los Angeles county industrial waste and underground storage tank sites

Agency Version Date: 04/02/2021  
Agency Update Frequency: Monthly  
Planned Next Contact: 06/29/2021

Agency: County of Los Angeles Department of Public Works  
Agency Contact: 626-458-3518  
Most Recent Contact: 04/02/2021

HWM COMMERCIAL FACILITIES - CA: Listing of all commercial hazardous waste permitted off-site transfer recycling treatment storage and disposal facilities

Agency Version Date: 05/03/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/29/2021

Agency: Department of Toxic Substance Control  
Agency Contact: 916-322-5308  
Most Recent Contact: 05/03/2021

HWP - CA: Facility listing of the Department of Toxic Substance Control's hazardous waste transporters and corrective action

Agency Version Date: 02/11/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/06/2021

Agency: Department of Toxic Substance Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 05/10/2021

## OTHER ASCERTAINABLE RECORDS (cont.)

HWT - CA: Listing of registered hazardous waste transporters

Agency Version Date: 02/17/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/11/2021

Agency: Department of Toxic Substance Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 05/17/2021

LDS - CA: List of Land Disposal Cleanup Sites from Geotracker

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

LOP\_SANTA CLARA COUNTY - CA: Santa Clara county leaking underground storage tank sites

Agency Version Date: 07/21/2017  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 07/30/2021

Agency: Department of Environmental Health  
Agency Contact: 408-280-6479  
Most Recent Contact: 05/04/2021

MCS - CA: List of Military Cleanup Sites from Geotracker

Agency Version Date: 05/07/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 08/03/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5791  
Most Recent Contact: 05/07/2021

MWMP - CA: Listing of treatment and transfer stations that properly handle and dispose of medical waste that are permitted and inspected by the Medical Waste Management Program

Agency Version Date: 02/10/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/06/2021

Agency: California-Health Human Services Department of Public Health  
Agency Contact: 916-449-5661  
Most Recent Contact: 05/10/2021

MWMP 2 - CA: Listing of facilities that generate permitted medical waste and are inspected by the Medical Waste Management Program

Agency Version Date: 01/29/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/23/2021

Agency: California-Health Human Services Department of Public Health  
Agency Contact: 916-449-5661  
Most Recent Contact: 04/27/2021

NFA - CA: No further action cleanup sites listing

Agency Version Date: 04/06/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/01/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 04/06/2021

NFE - CA: Unconfirmed contaminated properties listing

Agency Version Date: 01/05/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/29/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 04/02/2021

NPDES - CA: Listing of facilities with wastewater and NPDES permits including stormwater

Agency Version Date: 03/12/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/09/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5810  
Most Recent Contact: 03/12/2021

## OTHER ASCERTAINABLE RECORDS (cont.)

PERCHLORATE 2 - CA: Listing of contaminated sites where the primary known chemical is perchlorate

Agency Version Date: 04/02/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 06/29/2021

Agency: Department of Toxic Substances Control  
Agency Contact: 916-322-2861  
Most Recent Contact: 04/02/2021

PROPOSITION 65 - CA: Listing of Proposition 65 enforcement reporting notice sites in accordance with "The Safe Drinking Water and Toxic Enforcement Act of 1986"

Agency Version Date: 12/18/2020  
Agency Update Frequency: No update  
Planned Next Contact: 06/11/2021

Agency: State of California Department of JusticeOffice of the Attorney General  
Agency Contact: 510-873-6321  
Most Recent Contact: 03/15/2021

RFR - CA: State Water Resources Control Board Regulated Facility Report database listing which includes program agency type and their permit status

Agency Version Date: 03/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 06/15/2021

Agency: CA State Water Resources Control Board  
Agency Contact: 916-341-5810  
Most Recent Contact: 03/19/2021

SITES INVENTORY\_VENTURA COUNTY - CA: Listing of Ventura County inventory of closed illegal abandoned and inactive sites

Agency Version Date: 06/14/2019  
Agency Update Frequency: Annually  
Planned Next Contact: 08/11/2021

Agency: Environmental Health Division  
Agency Contact: 805-654-2815  
Most Recent Contact: 05/14/2021

SMU\_SANTA BARBARA COUNTY - CA: Site Mitigation Unit site assessment and corrective actions at properties in Santa Barbara County

Agency Version Date: 04/15/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 07/12/2021

Agency: Santa Barbara County APCD  
Agency Contact: (805) 681-4900  
Most Recent Contact: 04/15/2021

SWAT - CA: The SWAT Reports Summary Data and the Waste Management Unit Database were published by State Water Resources Control Board staff and the Regional Water Quality Control Boards for tracking and inventory of waste management units.

Agency Version Date: 08/28/2015  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 08/27/2021

Agency: Department of Ecology  
Agency Contact: 916-322-2861  
Most Recent Contact: 06/01/2021

VCCP\_VENTURA COUNTY - CA: Listing of Ventura County cleanup program sites

Agency Version Date: 01/07/2020  
Agency Update Frequency: Annually  
Planned Next Contact: 08/09/2021

Agency: Environmental Health Division  
Agency Contact: 805-654-2815  
Most Recent Contact: 05/13/2021

WDS - CA: Listing of waste discharge system reporting facilities

Agency Version Date: 02/01/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 07/27/2021

Agency: State Water Resources Control Board  
Agency Contact: 916-341-5810  
Most Recent Contact: 04/30/2021

WILDLANDS - CA: The Wildlands Conservancy listing of preserves in California

Agency Version Date: 02/26/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 08/23/2021

Agency: The Wildlands Conservancy  
Agency Contact: 909-797-8507  
Most Recent Contact: 05/26/2021

## OTHER ASCERTAINABLE RECORDS (cont.)

WIP - CA: Listing of Well Investigation Program cases in the San Gabriel and San Fernando Valley area

Agency Version Date: 07/01/2009  
Agency Update Frequency: Varies  
Planned Next Contact: 08/17/2021

Agency: Los Angeles Water Quality Control Board  
Agency Contact: 916-341-5810  
Most Recent Contact: 05/21/2021

## OTHER

SEISMIC - CA: Earthquake Zones of Required Investigation. Shows the location of both Seismic Hazard Zones and Earthquake Fault Zones

Agency Version Date: 03/06/2020  
Agency Update Frequency: Varies  
Planned Next Contact: 07/27/2021

Agency: State of California Department of Conservation  
Agency Contact: 916-324-7299  
Most Recent Contact: 04/30/2021

## SUBJECT PROPERTY ADDRESS:

222 E. Shiloh Rd.  
222 E Shiloh Rd  
Santa Rosa, CA 95403

## SUBJECT PROPERTY COORDINATES:

Latitude(North):	38.524086 - 38°31'26.7"
Longitude(West):	-122.770414 - -122°46'13.5"
Universal Transverse Mercator:	Zone 10N
UTM X (Meters):	520012.76
UTM Y (Meters):	4263991.03

## ELEVATION:

Elevation: 154 ft. above sea level

## USGS TOPOGRAPHIC MAP:

Subject Property Map:	38122-E7 Healdsburg, CA
Most Recent Revision:	2018

## GEOHYDROLOGY DATA:

### SUBJECT PROPERTY TOPOGRAPHY:

Topographic Gradient: North

### DFIRM FLOOD ZONE:

	DFIRM Flood
Subject Property County:	Electronic Data:
SONOMA	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	06097C
Additional Panels in search area:	No available data

### FEMA FLOOD ZONE:

	FEMA Flood
Subject Property County:	Electronic Data:
SONOMA	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	0603750545B
Additional Panels in search area:	No available data



**NATIONAL WETLAND INVENTORY:**

NWI Electronic	
<u>NWI Quad at Subject Property:</u>	<u>Data Coverage:</u>
Healdsburg	Yes - refer to the Geological Findings Map

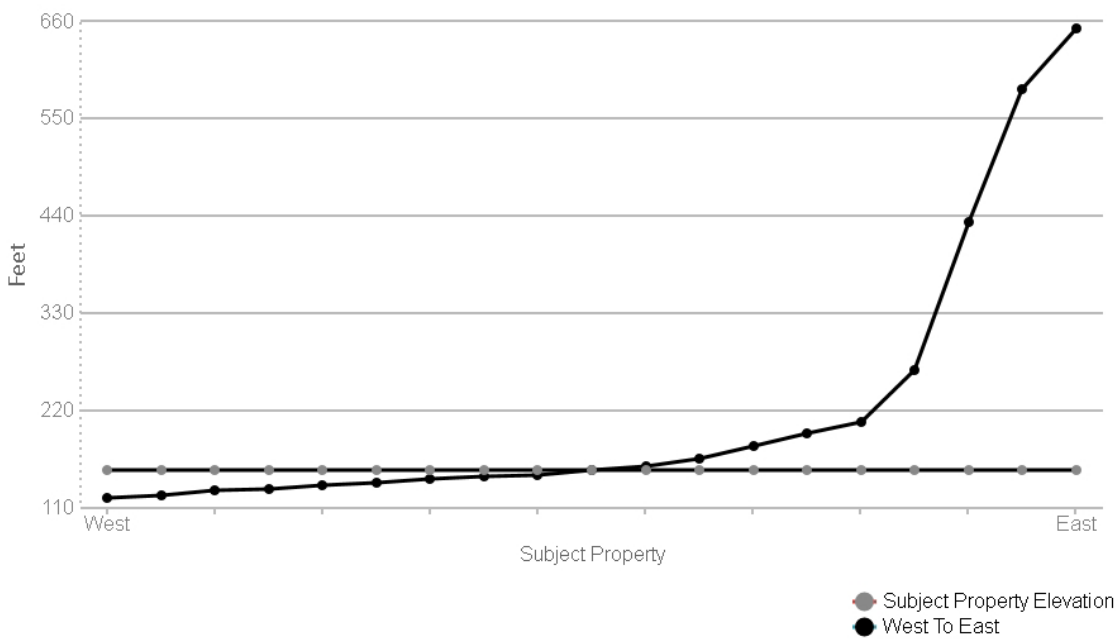
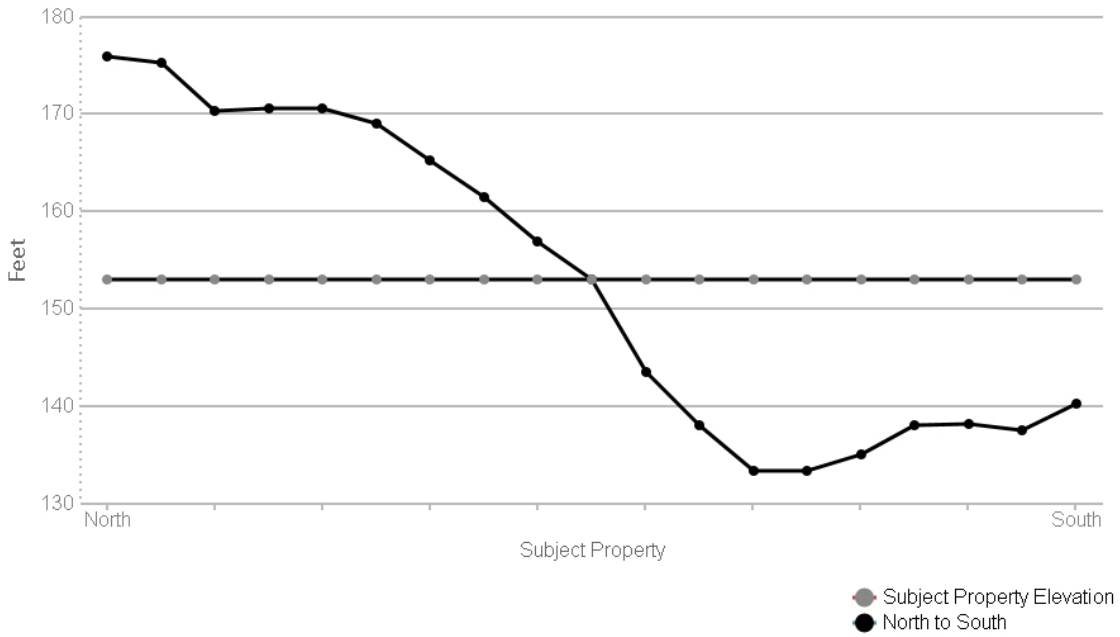
**LITHOSTRATIGRAPHIC INFORMATION:**

**ROCK STRATIGRAPHIC UNIT:**

**GEOLOGIC AGE IDENTIFICATION**

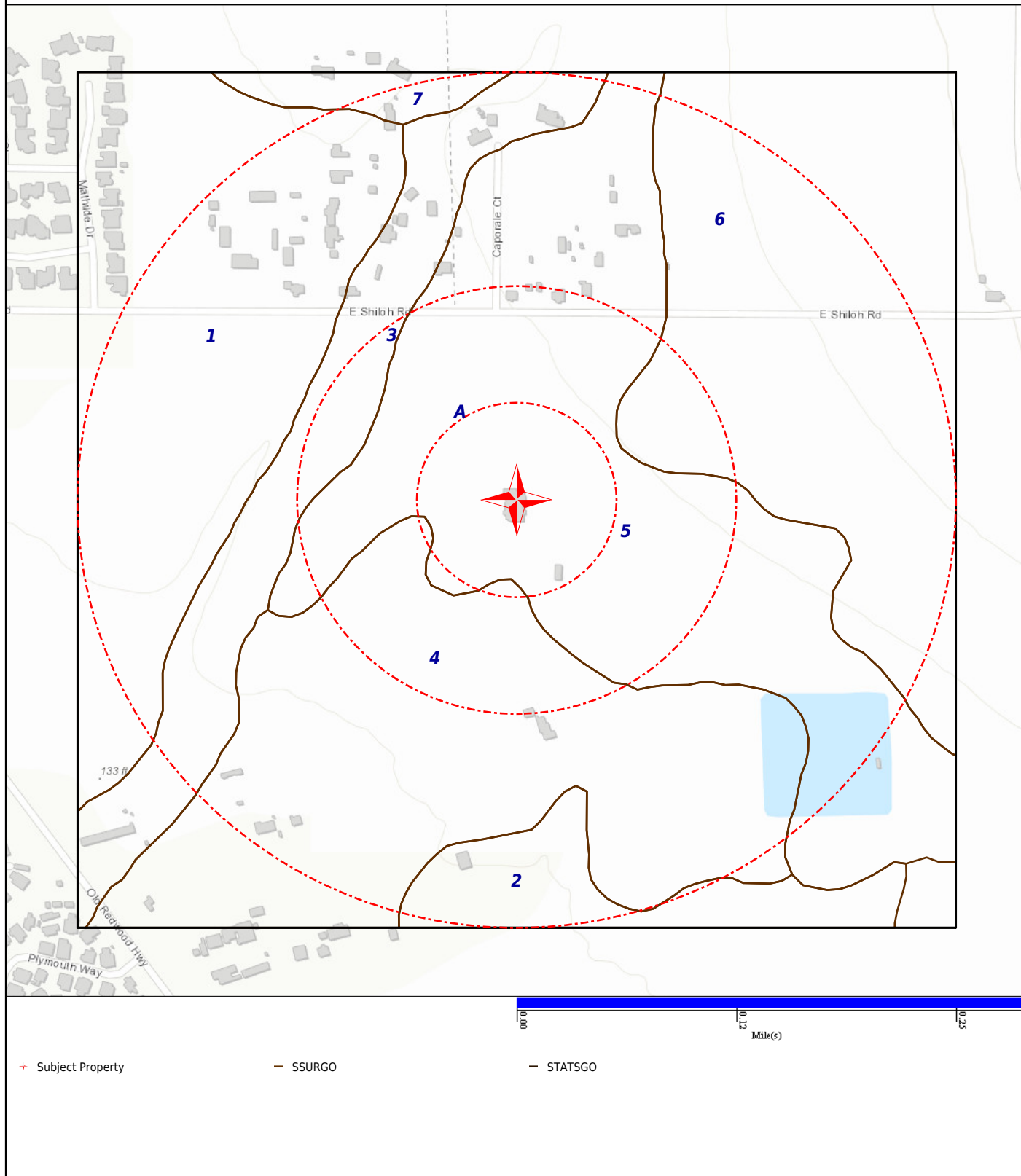
Era:	N/R	Category: 4 Q Quaternary
System:	N/R	
Series:	Quaternary	
Code:	Q	

**SURROUNDING ELEVATION PROFILES:**



SUBJECT NAME: 222 E. Shiloh Rd.  
 ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
 LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
 ORDER #: 56247  
 REPORT DATE: June 07, 2021



## SOIL COMPOSITION IN GENERAL AREA OF SUBJECT PROPERTY:

Agency source: Soil Conservation Service, US Department of Agriculture

### SOIL MAP ID 1

USDA Soil Name	Huichica, Series
USDA Soil Texture	Loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	7
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-14	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	14-23	Sandy clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
3	23-30	Clay	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	30-57		No data	No data	0.01-0.42	0-0

## SOIL MAP ID 2

USDA Soil Name	Zamora,Taxadjunct
USDA Soil Texture	Silty clay loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	1
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-5	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	6.1-7.3
2	5-17	Clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	6.1-7.3
3	17-29	Clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for	1.41-4.23	6.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	17-29	Clay loam	of State Highway and Transportation Officials, 1984.	general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	6.1-7.3
4	29-41	Clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-3.5	6.1-7.3
5	41-55	Sandy clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-3.5	6.1-7.3
6	55-60	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	0.42-1.41	6.6-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
6	55-60	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	0.42-1.41	6.6-7.3

### SOIL MAP ID 3

USDA Soil Name	Riverwash,Miscellaneous area
USDA Soil Texture	Sand
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Excessively drained
Hydric Classification	85
Corrosion Potential - Uncoated Steel	Not Reported

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-6	Sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, clean gravels, Well-Graded Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42-141	0-0
2	6-60	Sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil	COARSE-GRAINED SOILS, Gravels, clean gravels, Well-Graded Gravel. Reference: This is a classification of soil material designed for	42-141	0-0

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	6-60	Sand	material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42-141	0-0

#### SOIL MAP ID 4

USDA Soil Name	Huichica, Series
USDA Soil Texture	Loam
Hydrologic Soil Group	D
Soil Drainage Class	Moderately well drained
Hydric Classification	90
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-14	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	14-23	Sandy clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
3	23-38	Clay	Silt-Clay materials (more than 35%	FINE-GRAINED SOILS, Silts and clays (liquid	0.01-0.42	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	23-38	Clay	passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6
4	38-57		No data	No data	0.01-0.42	0-0

### SOIL MAP ID 5

USDA Soil Name	Yolo, Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
2	8-60	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent	4.23-14.11	6.6-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	8-60	Loam	M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.6-8.4

### SOIL MAP ID 6

USDA Soil Name	Arbuckle, Series
USDA Soil Texture	Loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	1
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-6	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-7.3
2	6-27	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-7.3
3	27-72	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This	COARSE-GRAINED SOILS, Gravels, gravel with fines, Clayey Gravel. Reference: This is a	1.4-4	5.6-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	27-72	Clay loam	is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6.5

**SOIL MAP ID 7**

USDA Soil Name	Yolo,Taxadjunct
USDA Soil Texture	Loam
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	1
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
2	8-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials,	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and	4.23-14.11	6.1-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	8-60	Loam	1984.	the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-8.4

**SOIL MAP ID A**

USDA Soil Name	Zamora, Series
USDA Soil Texture	Silty clay loam
Hydrologic Soil Group	B
Soil Drainage Class	Moderately well drained
Hydric Classification	15
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silty clay loam	No data	No data	1.4114-4.2343	6.1-7.3
2	10-40	No data	No data	No data	1.4114-4.2343	6.6-7.8
3	40-51	No data	No data	No data	4.2343-14.1143	6.6-8.4
4	51-60	Loam	No data	No data	4.2343-14.1143	6.6-8.4

**WATER AGENCY DATA:****WATER AGENCY SEARCH DISTANCES:**

<u>DATABASE:</u>	<u>SEARCH DISTANCE (MILES):</u>
NWIS	1.000
OIL & GAS WELLS - CA	1.000
PWS	1.000
WELLS - GAMA - CA	0.000

<u>DISTANCE TO NEAREST:</u>	<u>DISTANCE:</u>
NWIS	0.233 mi / 1228 ft
OIL & GAS WELLS - CA	N/A
PWS	0.333 mi / 1758 ft
WELLS - GAMA - CA	0.888 mi / 4687 ft

## FEDERAL WATER AGENCY DATA SUMMARY:

<u>MAP ID:</u>	<u>WELL ID:</u>	<u>LOCATION FROM SP:</u>
1	383138122461401	1/8 - 1/4 Mile N
2	Mobile Home Estates   CA4900720	1/4 - 1/2 Mile WSW
3	383111122455701	1/4 - 1/2 Mile SE
4	CA4901311   MARK WEST NEIGHBORHOOD CHURCH-WELL 01 - TREATMENT PLANT	1/4 - 1/2 Mile W
5	383111122454301	1/2 - 1 Mile ESE
6	383115122452701	1/2 - 1 Mile ESE
7	CA4900885   LITTLE SCHOOL HOUSE   LITTLE SCHOOL HOUSE, THE- TREATMENTPLANT_WELL 01 - TREATED- INACTIVE	1/2 - 1 Mile SSW
8	CA1700596   BLUE LAKES VILLAGE- TREATMENT PLANT - WELL 01	1/2 - 1 Mile SE
9	USGS-383211122460001   383211122460001   S-NSF-VP16	1/2 - 1 Mile NNE

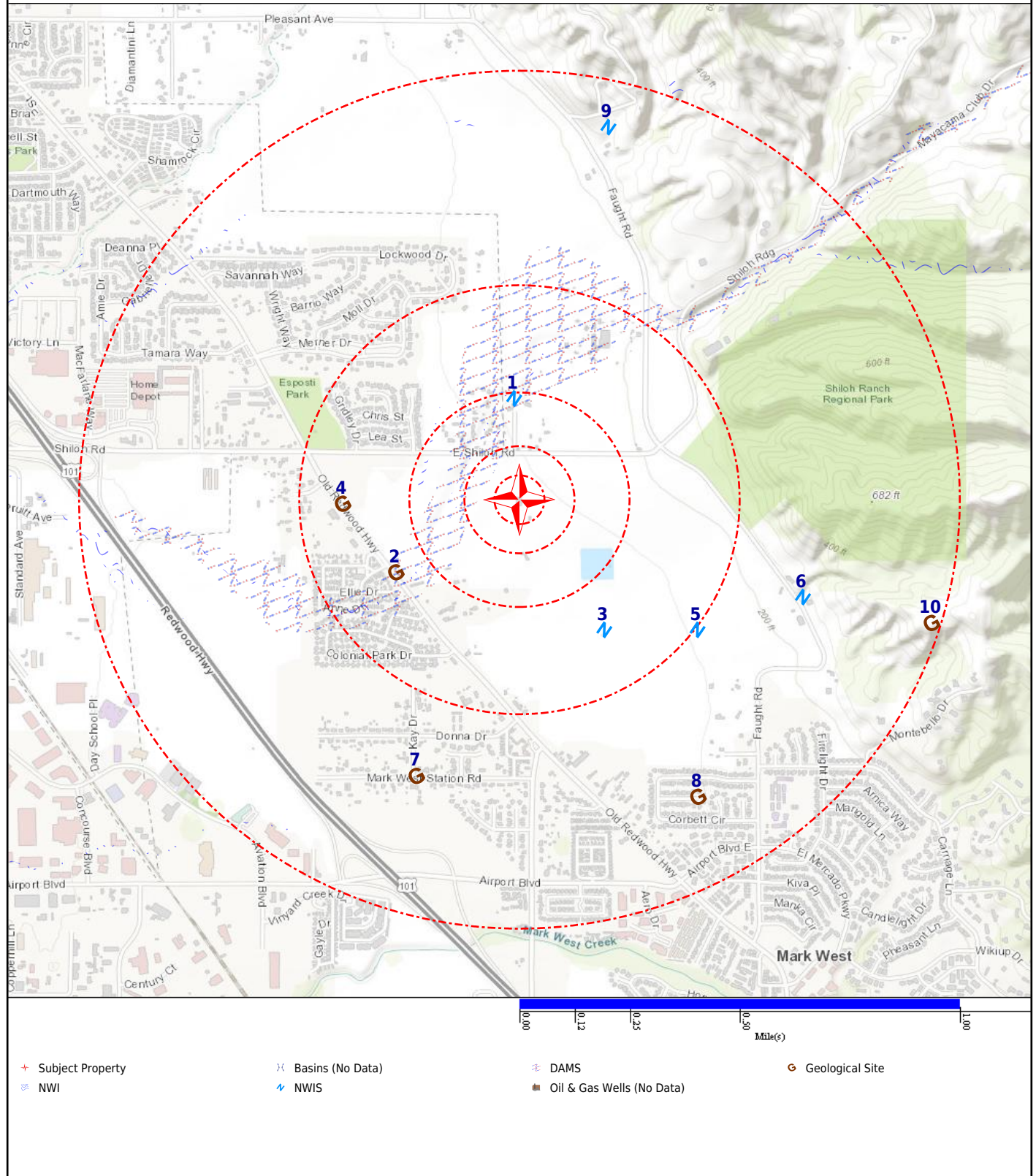
Note: PWS System location is not always the same as well location.

## STATE/LOCAL WATER AGENCY DATA SUMMARY:

<u>MAP ID:</u>	<u>WELL ID:</u>	<u>LOCATION FROM SP:</u>
9	USGS-383211122460001   383211122460001   S-NSF-VP16	1/2 - 1 Mile NNE

SUBJECT NAME: 222 E. Shiloh Rd.  
 ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
 LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
 ORDER #: 56247  
 REPORT DATE: June 07, 2021



**Envirosite ID:** 9235642  
**EPA ID:** N/R

[illegible]



Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [PWS, PWS ENF]

**Envirosite ID:** 839687  
**EPA ID:** N/R

## PWS

Facility Address : 5761 Old Redwood Highway North, SANTA ROSA, CA 95403

PWS ID : CA4900720  
 PWS Type : Community water system  
 PWS Name : MOBILE HOME ESTATES  
 Activity Status : Active  
 Primary Source : Ground water  
 Submission Year : 2020  
 Submission Year Quarter : 2020Q4  
 Population Served Count : 210  
 Service Connections Count : 151  
 Population Category 2 : <10,000  
 Population Category 3 : <=3300  
 Population Category 4 : <10K  
 Population Category 5 : <=500  
 Population Category 11 : 101-500  
 Submission Quarter : 4  
 Submission Status Code : Y  
 First Reported Date : 1979-03-22  
 Last Reported Date : 2021-01-05  
 Deactivation Date : N/R  
 GW or SW : Groundwater  
 Is Grant Eligible : Y  
 Is Outstanding Performer : N/R  
 Is School or Daycare : N  
 Is Source Water Protected : N/R  
 Primacy Agency : California  
 Primacy Type : State  
 Org Name : BOCCI, JOHN  
 EPA Region : Region 9  
 Admin Name : BOCCI, JOHN  
 Owner Type : Private  
 Phone Number : 707-576-0377  
 Phone Ext Number : N/R  
 Alt Phone Number : N/R  
 Email Address : jbocci@sonic.net  
 Fax Number : 707-838-7649  
 Is Wholesaler : N  
 LT2 Schedule Category : N/R  
 NPM Candidate : Y  
 CDS ID : N/R  
 DBPR Schedule Category : N/R  
 Outstanding Performer Date : N/R  
 Season Begin Date : N/R  
 Season End Date : N/R  
 Source Water Protection Date : N/R  
 Seasonal Startup System : N/R  
 Reduced Monitoring Begin Date : N/R  
 Reduced Monitoring End Date : N/R  
 Reduced RTRC Monitoring : N/R  
 Last Date in Agency List : 2021-03-25

## PWS ENF

Facility Address : 5761 Old Redwood Highway North, SANTA ROSA, CA 95403



Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 839687  
**EPA ID:** N/R

## PWS ENF (**cont.**)

### Site Details

PWS ID :	CA4900720
PWS Name :	MOBILE HOME ESTATES
EPA Region :	Region 9
Primacy Agency :	California
PWS Type :	Community water system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Private
Phone Number :	707-576-0377
Last Date in Agency List :	2021-04-10

### Violation Details

RTC Enforcement ID :	N/R
Violation ID :	8465827
Submission Year :	2020
Violation First Reported Date :	1984-09-30
Contaminant Name :	N/R
Rule Family :	Miscellaneous
Rule Group :	Other
Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	5761 Old Redwood Highway North, SANTA ROSA, 95403
Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	N/R
Admin Name :	BOCCI, JOHN
Email Address :	jbocci@sonic.net

RTC Enforcement ID :	N/R
Violation ID :	9903009
Submission Year :	2020
Violation First Reported Date :	2020-05-18
Contaminant Name :	Lead and Copper Rule
Rule Family :	Lead and Copper Rule
Rule Group :	Chemicals
Rule Name :	Lead and Copper Rule
Violation Type :	Follow-up Or Routine LCR Tap M/R
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	5761 Old Redwood Highway North, SANTA ROSA, 95403
Address Line 2 :	N/R
Compliance Status :	Open
RTC Date :	N/R

Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 839687  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Enforcement Action Description : State Administrative/Compliance Order without penalty issued  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : N/R  
 Violation ID : 8465829  
 Submission Year : 2020  
 Violation First Reported Date : 1984-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : N/R  
 Violation ID : 9903008  
 Submission Year : 2020  
 Violation First Reported Date : 2020-02-14  
 Contaminant Name : Lead and Copper Rule  
 Rule Family : Lead and Copper Rule  
 Rule Group : Chemicals  
 Rule Name : Lead and Copper Rule  
 Violation Type : Follow-up Or Routine LCR Tap M/R  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Open  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : N/R  
 Violation ID : 8236221  
 Submission Year : 2020  
 Violation First Reported Date : 1982-09-30  
 Contaminant Name : Gross Alpha, Excl. Radon and U  
 Rule Family : Radionuclides  
 Rule Group : Chemicals

Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [PWS, PWS ENF] **(cont.)**

**Envirosite ID:** 839687  
**EPA ID:** N/R

## PWS ENF (cont.)

Rule Name : Radionuclides  
 Violation Type : Monitoring, Regular  
 Is Health Based : N  
 Is Major Violation : Y  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : N/R  
 Violation ID : 8112269  
 Submission Year : 2020  
 Violation First Reported Date : 1981-09-30  
 Contaminant Name : Gross Alpha, Excl. Radon and U  
 Rule Family : Radionuclides  
 Rule Group : Chemicals  
 Rule Name : Radionuclides  
 Violation Type : Monitoring, Regular  
 Is Health Based : N  
 Is Major Violation : Y  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : #0599999  
 Violation ID : 95V0001  
 Submission Year : 2020  
 Violation First Reported Date : 1995-12-12  
 Contaminant Name : Lead and Copper Rule  
 Rule Family : Lead and Copper Rule  
 Rule Group : Chemicals  
 Rule Name : Lead and Copper Rule  
 Violation Type : Initial Tap Sampling for Pb and Cu  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2005-09-30  
 Enforcement Action Description : Federal Compliance achieved  
 Admin Name : BOCCI, JOHN

Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 839687  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Email Address : jbocci@sonic.net

RTC Enforcement ID : 818011  
 Violation ID : 518006  
 Submission Year : 2020  
 Violation First Reported Date : 2006-01-10  
 Contaminant Name : Lead and Copper Rule  
 Rule Family : Lead and Copper Rule  
 Rule Group : Chemicals  
 Rule Name : Lead and Copper Rule  
 Violation Type : Initial Tap Sampling for Pb and Cu  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2005-05-17  
 Enforcement Action Description : State Administrative/Compliance Order without penalty issued  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 818013  
 Violation ID : 618012  
 Submission Year : 2020  
 Violation First Reported Date : 2008-06-06  
 Contaminant Name : Nitrite  
 Rule Family : Inorganic Chemicals  
 Rule Group : Chemicals  
 Rule Name : Nitrates  
 Violation Type : Monitoring, Regular  
 Is Health Based : N  
 Is Major Violation : Y  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2007-12-14  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 818013  
 Violation ID : 618011  
 Submission Year : 2020  
 Violation First Reported Date : 2008-06-06  
 Contaminant Name : Asbestos  
 Rule Family : Inorganic Chemicals  
 Rule Group : Chemicals  
 Rule Name : Inorganic Chemicals  
 Violation Type : Monitoring, Regular

Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 839687  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Is Health Based : N  
 Is Major Violation : Y  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2007-12-14  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 818013  
 Violation ID : 618014  
 Submission Year : 2020  
 Violation First Reported Date : 2008-06-06  
 Contaminant Name : Atrazine  
 Rule Family : Synthetic Organic Chemicals  
 Rule Group : Chemicals  
 Rule Name : Synthetic Organic Chemicals  
 Violation Type : Monitoring, Regular  
 Is Health Based : N  
 Is Major Violation : Y  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2007-12-14  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 9518002  
 Violation ID : 9503001  
 Submission Year : 2020  
 Violation First Reported Date : 1996-02-21  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)  
 Is Health Based : Y  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 2  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 1995-04-04  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA

**Database(s) :** [PWS, PWS ENF] **(cont.)**

**Envirosite ID:** 839687  
**EPA ID:** N/R

## PWS ENF (cont.)

RTC Enforcement ID : 9918005  
 Violation ID : 9903003  
 Submission Year : 2020  
 Violation First Reported Date : 2000-07-20  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)  
 Is Health Based : Y  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 2  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 1998-11-30  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 9918010  
 Violation ID : 518015  
 Submission Year : 2020  
 Violation First Reported Date : 2009-08-12  
 Contaminant Name : Lead and Copper Rule  
 Rule Family : Lead and Copper Rule  
 Rule Group : Chemicals  
 Rule Name : Lead and Copper Rule  
 Violation Type : Follow-up Or Routine LCR Tap M/R  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2018-03-02  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 9918010  
 Violation ID : 618009  
 Submission Year : 2020  
 Violation First Reported Date : 2007-08-23  
 Contaminant Name : Nitrate  
 Rule Family : Inorganic Chemicals  
 Rule Group : Chemicals  
 Rule Name : Nitrates  
 Violation Type : Monitoring, Regular  
 Is Health Based : N  
 Is Major Violation : Y  
 Severity Indicator Count : N/R

Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 839687  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2018-03-02  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 9918012  
 Violation ID : 218004  
 Submission Year : 2020  
 Violation First Reported Date : 2004-07-10  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Monitoring, Routine Major (TCR)  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2002-03-28  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 9918013  
 Violation ID : 518005  
 Submission Year : 2020  
 Violation First Reported Date : 2006-01-10  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Maximum Contaminant Level Violation, Monthly (TCR)  
 Is Health Based : Y  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 2  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2005-05-30  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 9918014  
 Violation ID : 518008

Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 839687  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Submission Year : 2020  
 Violation First Reported Date : 2006-01-10  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Monitoring, Routine Major (TCR)  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2005-07-30  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 9918015  
 Violation ID : 9903005  
 Submission Year : 2020  
 Violation First Reported Date : 2015-09-02  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Monitoring, Routine Major (TCR)  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2015-07-30  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : BOCCI, JOHN  
 Email Address : jbocci@sonic.net

RTC Enforcement ID : 9918016  
 Violation ID : 9903004  
 Submission Year : 2020  
 Violation First Reported Date : 2013-06-26  
 Contaminant Name : Public Notice  
 Rule Family : Public Notice Rule  
 Rule Group : Other  
 Rule Name : Public Notice Rule  
 Violation Type : Public Notification Violation without NPDWR Violation  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5761 Old Redwood Highway North, SANTA ROSA, 95403



Map Id: 2  
 Direction: WSW  
 Distance: 0.333 mi., 1759 ft.  
 Elevation: 136 ft.  
 Relative: Lower

**Site Name :** Mobile Home Estates | CA4900720  
 5761 OLD REDWOOD | 5761 Old  
 Redwood Highway North  
 SANTA ROSA | Santa Rosa, CA  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 839687  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2013-02-20
Enforcement Action Description :	State Compliance achieved
Admin Name :	BOCCI, JOHN
Email Address :	jbocci@sonic.net
RTC Enforcement ID :	9918017
Violation ID :	518007
Submission Year :	2020
Violation First Reported Date :	2007-08-23
Contaminant Name :	Consumer Confidence Rule
Rule Family :	Consumer Confidence Rule
Rule Group :	Other
Rule Name :	Consumer Confidence Rule
Violation Type :	Consumer Confidence Report Complete Failure to Report
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	5761 Old Redwood Highway North, SANTA ROSA, 95403
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-11-14
Enforcement Action Description :	State Compliance achieved
Admin Name :	BOCCI, JOHN
Email Address :	jbocci@sonic.net

Map Id: 3  
 Direction: SE  
 Distance: 0.361 mi., 1905 ft.  
 Elevation: 139 ft.  
 Relative: Lower

**Site Name :** 383111122455701  
 38.5196326, -122.7669331  
 CA  
**Database(s) :** [NWIS]

**EnviroSite ID:** 9258537  
**EPA ID:** N/R

## NWIS

Site Identification Number :	383111122455701
Site Type :	Well
Station Name :	008N008W20Q001M
Agency :	U.S. Geological Survey
District :	California
State :	CA
County :	Sonoma County
Country :	USA
Land Net Location :	SWSES20 T08N R08W M
Name of Location Map :	HEALDSBURG
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	139
Method Altitude Determined :	Interpolated from topographic map.

Map Id: 3  
 Direction: SE  
 Distance: 0.361 mi., 1905 ft.  
 Elevation: 139 ft.  
 Relative: Lower

**Site Name :** 383111122455701  
 38.5196326, -122.7669331  
 CA  
**Database(s) :** [NWIS] (**cont.**)

**Envirosite ID:** 9258537  
**EPA ID:** N/R

## NWIS (**cont.**)

Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Russian
Drainage Basin :	N/R
Topographic Setting :	Valley flat
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19500527
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNYYNN
National Aquifer :	California Coastal Basin aquifers
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	312
Hole Depth :	312
Source of Depth Data :	N/R
Project Number :	CA-9-358M
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1950-06-05
Field Water-Level Data End Date :	1950-06-05
Field Water-Level Data Count :	3
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	38.51963260
Longitude :	-122.76693310
Last Date in Agency List :	02/23/2021

Map Id: 4  
 Direction: W  
 Distance: 0.403 mi., 2131 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** CA4901311 | MARK WEST  
 NEIGHBORHOOD CHURCH-WELL 01 -  
 TREATMENT PLANT  
 5901 OLD REDWOOD HIGHWAY  
 SANTA ROSA, CA 95403  
**Database(s) :** [PWS, PWS ENF]

**Envirosite ID:** 842075  
**EPA ID:** N/R

## PWS

Facility Address : 5901 Old Redwood Highway, SANTA ROSA, CA 95403

Map Id: 4  
 Direction: W  
 Distance: 0.403 mi., 2131 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** CA4901311 | MARK WEST  
 NEIGHBORHOOD CHURCH-WELL 01 -  
 TREATMENT PLANT  
 5901 OLD REDWOOD HIGHWAY  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 842075  
**EPA ID:** N/R

## PWS (**cont.**)

PWS ID :	CA4901311
PWS Type :	Transient non-community system
PWS Name :	MARK WEST NEIGHBORHOOD CHURCH
Activity Status :	Changed from public to non-public
Primary Source :	Ground water
Submission Year :	2020
Submission Year Quarter :	2020Q4
Population Served Count :	60
Service Connections Count :	3
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	<=100
Submission Quarter :	4
Submission Status Code :	Y
First Reported Date :	2010-04-21
Last Reported Date :	2021-01-05
Deactivation Date :	2018-10-18
GW or SW :	Groundwater
Is Grant Eligible :	N
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N/R
Primacy Agency :	California
Primacy Type :	State
Org Name :	RATIANI, NIKOLAS
EPA Region :	Region 9
Admin Name :	RATIANI, NIKOLAS
Owner Type :	Private
Phone Number :	707-838-9136
Phone Ext Number :	25
Alt Phone Number :	N/R
Email Address :	nick.ratiani@mwnc.org
Fax Number :	707-657-7710
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	N
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Jan
Season End Date :	31-Dec
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2021-03-25

## PWS ENF

Facility Address : 5901 Old Redwood Highway, SANTA ROSA, CA 95403

Map Id: 4  
 Direction: W  
 Distance: 0.403 mi., 2131 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** CA4901311 | MARK WEST  
 NEIGHBORHOOD CHURCH-WELL 01 -  
 TREATMENT PLANT  
 5901 OLD REDWOOD HIGHWAY  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 842075  
**EPA ID:** N/R

## PWS ENF (**cont.**)

### Site Details

PWS ID :	CA4901311
PWS Name :	MARK WEST NEIGHBORHOOD CHURCH
EPA Region :	Region 9
Primacy Agency :	California
PWS Type :	Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Changed from public to non-public
Deactivation Date :	2018-10-18
Owner Type :	Private
Phone Number :	707-838-9136
Last Date in Agency List :	2021-04-10

### Violation Details

RTC Enforcement ID :	N/R
Violation ID :	818004
Submission Year :	2020
Violation First Reported Date :	2016-04-01
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Acute (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	1
Address Line 1 :	5901 Old Redwood Highway, SANTA ROSA, 95403
Address Line 2 :	N/R
Compliance Status :	System Inactive
RTC Date :	2018-10-18
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	RATIANI, NIKOLAS
Email Address :	nick.ratiani@mwnc.org

RTC Enforcement ID :	N/R
Violation ID :	818005
Submission Year :	2020
Violation First Reported Date :	2017-02-14
Contaminant Name :	Revised Total Coliform Rule
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Revised Total Coliform Rule
Violation Type :	Monitoring, Routine (RTCR)
Is Health Based :	N
Is Major Violation :	Y
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	5901 Old Redwood Highway, SANTA ROSA, 95403
Address Line 2 :	N/R
Compliance Status :	System Inactive

Map Id: 4  
 Direction: W  
 Distance: 0.403 mi., 2131 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** CA4901311 | MARK WEST  
 NEIGHBORHOOD CHURCH-WELL 01 -  
 TREATMENT PLANT  
 5901 OLD REDWOOD HIGHWAY  
 SANTA ROSA, CA 95403  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 842075  
**EPA ID:** N/R

## PWS ENF (**cont.**)

RTC Date : 2018-10-18  
 Enforcement Action Description : State Administrative/Compliance Order without penalty issued  
 Admin Name : RATIANI, NIKOLAS  
 Email Address : nick.ratiani@mwnc.org

RTC Enforcement ID : N/R  
 Violation ID : 818002  
 Submission Year : 2020  
 Violation First Reported Date : 2010-06-04  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Maximum Contaminant Level Violation, Acute (TCR)  
 Is Health Based : Y  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 1  
 Address Line 1 : 5901 Old Redwood Highway, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : System Inactive  
 RTC Date : 2018-10-18  
 Enforcement Action Description : State Administrative/Compliance Order without penalty issued  
 Admin Name : RATIANI, NIKOLAS  
 Email Address : nick.ratiani@mwnc.org

RTC Enforcement ID : N/R  
 Violation ID : 618001  
 Submission Year : 2020  
 Violation First Reported Date : 2010-06-04  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Monitoring, Routine Major (TCR)  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5901 Old Redwood Highway, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : System Inactive  
 RTC Date : 2018-10-18  
 Enforcement Action Description : State Administrative/Compliance Order without penalty issued  
 Admin Name : RATIANI, NIKOLAS  
 Email Address : nick.ratiani@mwnc.org

RTC Enforcement ID : 818004  
 Violation ID : 818003  
 Submission Year : 2020  
 Violation First Reported Date : 2015-02-23  
 Contaminant Name : Coliform (TCR)

Map Id: 4  
 Direction: W  
 Distance: 0.403 mi., 2131 ft.  
 Elevation: 138 ft.  
 Relative: Lower

**Site Name :** CA4901311 | MARK WEST  
 NEIGHBORHOOD CHURCH-WELL 01 -  
 TREATMENT PLANT  
 5901 OLD REDWOOD HIGHWAY  
 SANTA ROSA, CA 95403  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 842075  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	5901 Old Redwood Highway, SANTA ROSA, 95403
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2015-03-02
Enforcement Action Description :	State Compliance achieved
Admin Name :	RATIANI, NIKOLAS
Email Address :	nick.ratiani@mwnc.org

Map Id: 5  
 Direction: ESE  
 Distance: 0.503 mi., 2658 ft.  
 Elevation: 165 ft.  
 Relative: Higher

**Site Name :** 38311122454301  
 38.51963256, -122.763044  
 CA  
**Database(s) :** [NWIS]

**Envirosite ID:** 9235999  
**EPA ID:** N/R

## NWIS

Site Identification Number :	38311122454301
Site Type :	Well
Station Name :	008N008W20A001M
Agency :	U.S. Geological Survey
District :	California
State :	CA
County :	Sonoma County
Country :	USA
Land Net Location :	SESES20 T08N R08W M
Name of Location Map :	HEALDSBURG, CA
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	163
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	4.3
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Russian
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19730816
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.

Map Id: 5  
 Direction: ESE  
 Distance: 0.503 mi., 2658 ft.  
 Elevation: 165 ft.  
 Relative: Higher

**Site Name :** 383111122454301  
 38.51963256, -122.763044  
 CA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 9235999  
**EPA ID:** N/R

## NWIS (*cont.*)

Data-other GW Files :	YYNNYYNN
National Aquifer :	California Coastal Basin aquifers
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	288
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	CA-9-358M
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	2012-07-25
Field Water-Level Data End Date :	2012-07-25
Field Water-Level Data Count :	3
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	38.51963256
Longitude :	-122.76304400
Last Date in Agency List :	02/23/2021

Map Id: 6  
 Direction: ESE  
 Distance: 0.679 mi., 3586 ft.  
 Elevation: 224 ft.  
 Relative: Higher

**Site Name :** 383115122452701  
 38.5207436, -122.7585994  
 CA  
**Database(s) :** [NWIS]

**Envirosite ID:** 9238994  
**EPA ID:** N/R

## NWIS

Site Identification Number :	383115122452701
Site Type :	Well
Station Name :	008N008W21N001M
Agency :	U.S. Geological Survey
District :	California
State :	CA
County :	Sonoma County
Country :	USA
Land Net Location :	SWSWS21 T08N R08W M
Name of Location Map :	HEALDSBURG, CA
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	220
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Russian
Drainage Basin :	N/R
Topographic Setting :	Valley flat

Map Id: 6  
 Direction: ESE  
 Distance: 0.679 mi., 3586 ft.  
 Elevation: 224 ft.  
 Relative: Higher

**Site Name :** 383115122452701  
 38.5207436, -122.7585994  
 CA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 9238994  
**EPA ID:** N/R

## NWIS (*cont.*)

Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19750121
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YYNNNNNN
National Aquifer :	California Coastal Basin aquifers
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	406
Hole Depth :	406
Source of Depth Data :	N/R
Project Number :	CA-9-358M
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Data Begin Date :	1975-01-01
Field Water-Level Data End Date :	1975-01-01
Field Water-Level Data Count :	3
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	38.52074360
Longitude :	-122.75859940
Last Date in Agency List :	02/23/2021

Map Id: 7  
 Direction: SSW  
 Distance: 0.690 mi., 3646 ft.  
 Elevation: 131 ft.  
 Relative: Lower

**Site Name :** CA4900885 | LITTLE SCHOOL HOUSE |  
 LITTLE SCHOOL HOUSE, THE-  
 TREATMENTPLANT\_WELL 01 - TREATED-  
 INACTIVE  
 DURELLE FINSTER 270 MARK WEST  
 STATION ROAD | 270 MARK WEST  
 STATION ROAD  
 WINDSOR, CA 95492  
**Database(s) :** [PWS, PWS ENF]

**Envirosite ID:** 490567  
**EPA ID:** N/R

## PWS

Facility Address :	DURELLE FINSTER 270 MARK WEST STATION ROAD, WINDSOR, CA 95492
PWS ID :	CA4900885
PWS Type :	Non-Transient non-community system
PWS Name :	LITTLE SCHOOL HOUSE, THE



Map Id: 7  
 Direction: SSW  
 Distance: 0.690 mi., 3646 ft.  
 Elevation: 131 ft.  
 Relative: Lower

**Site Name :** CA4900885 | LITTLE SCHOOL HOUSE |  
 LITTLE SCHOOL HOUSE, THE-  
 TREATMENTPLANT\_WELL 01 - TREATED-  
 INACTIVE  
 DURELLE FINSTER 270 MARK WEST  
 STATION ROAD | 270 MARK WEST  
 STATION ROAD  
 WINDSOR, CA 95492  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 490567  
**EPA ID:** N/R

## PWS (**cont.**)

Activity Status :	Changed from public to non-public
Primary Source :	Ground water
Submission Year :	2020
Submission Year Quarter :	2020Q4
Population Served Count :	25
Service Connections Count :	1
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	<=100
Submission Quarter :	4
Submission Status Code :	Y
First Reported Date :	1981-01-05
Last Reported Date :	2021-01-05
Deactivation Date :	2009-06-09
GW or SW :	Groundwater
Is Grant Eligible :	N
Is Outstanding Performer :	N/R
Is School or Daycare :	Y
Is Source Water Protected :	N/R
Primacy Agency :	California
Primacy Type :	State
Org Name :	N/R
EPA Region :	Region 9
Admin Name :	N/R
Owner Type :	Private
Phone Number :	N/R
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	N/R
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	N
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Jan
Season End Date :	31-Dec
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTRC Monitoring :	N/R
Last Date in Agency List :	2021-03-25

## PWS ENF

Facility Address : DURELLE FINSTER 270 MARK WEST STATION ROAD, WINDSOR, CA 95492

Map Id: 7  
 Direction: SSW  
 Distance: 0.690 mi., 3646 ft.  
 Elevation: 131 ft.  
 Relative: Lower

**Site Name :** CA4900885 | LITTLE SCHOOL HOUSE |  
 LITTLE SCHOOL HOUSE, THE-  
 TREATMENTPLANT\_WELL 01 - TREATED-  
 INACTIVE  
 DURELLE FINSTER 270 MARK WEST  
 STATION ROAD | 270 MARK WEST  
 STATION ROAD  
 WINDSOR, CA 95492  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 490567  
**EPA ID:** N/R

## PWS ENF (**cont.**)

### Site Details

PWS ID :	CA4900885
PWS Name :	LITTLE SCHOOL HOUSE, THE
EPA Region :	Region 9
Primacy Agency :	California
PWS Type :	Non-Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Changed from public to non-public
Deactivation Date :	2009-06-09
Owner Type :	Private
Phone Number :	N/R
Last Date in Agency List :	2021-04-10

### Violation Details

RTC Enforcement ID :	N/R
Violation ID :	8466191
Submission Year :	2020
Violation First Reported Date :	1984-09-30
Contaminant Name :	N/R
Rule Family :	Miscellaneous
Rule Group :	Other
Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	DURELLE FINSTER, WINDSOR, 95492
Address Line 2 :	270 MARK WEST STATION ROAD
Compliance Status :	System Inactive
RTC Date :	2009-06-09
Enforcement Action Description :	N/R
Admin Name :	N/R
Email Address :	N/R

RTC Enforcement ID :	N/R
Violation ID :	9518004
Submission Year :	2020
Violation First Reported Date :	2007-05-17
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R

Map Id: 7  
 Direction: SSW  
 Distance: 0.690 mi., 3646 ft.  
 Elevation: 131 ft.  
 Relative: Lower

**Site Name :** CA4900885 | LITTLE SCHOOL HOUSE |  
 LITTLE SCHOOL HOUSE, THE-  
 TREATMENTPLANT\_WELL 01 - TREATED-  
 INACTIVE  
 DURELLE FINSTER 270 MARK WEST  
 STATION ROAD | 270 MARK WEST  
 STATION ROAD  
 WINDSOR, CA 95492  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 490567  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Public Notification Tier : 3  
 Address Line 1 : DURELLE FINSTER, WINDSOR, 95492  
 Address Line 2 : 270 MARK WEST STATION ROAD  
 Compliance Status : System Inactive  
 RTC Date : 2009-06-09  
 Enforcement Action Description : State Formal Notice of Violation issued  
 Admin Name : N/R  
 Email Address : N/R

RTC Enforcement ID : N/R  
 Violation ID : 9418001  
 Submission Year : 2020  
 Violation First Reported Date : 2007-05-17  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Monitoring, Routine Major (TCR)  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : DURELLE FINSTER, WINDSOR, 95492  
 Address Line 2 : 270 MARK WEST STATION ROAD  
 Compliance Status : System Inactive  
 RTC Date : 2009-06-09  
 Enforcement Action Description : State Formal Notice of Violation issued  
 Admin Name : N/R  
 Email Address : N/R

RTC Enforcement ID : N/R  
 Violation ID : 9418003  
 Submission Year : 2020  
 Violation First Reported Date : 2007-05-17  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Monitoring, Routine Major (TCR)  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : DURELLE FINSTER, WINDSOR, 95492  
 Address Line 2 : 270 MARK WEST STATION ROAD  
 Compliance Status : System Inactive  
 RTC Date : 2009-06-09  
 Enforcement Action Description : State Formal Notice of Violation issued  
 Admin Name : N/R  
 Email Address : N/R

Map Id: 7  
 Direction: SSW  
 Distance: 0.690 mi., 3646 ft.  
 Elevation: 131 ft.  
 Relative: Lower

**Site Name :** CA4900885 | LITTLE SCHOOL HOUSE |  
 LITTLE SCHOOL HOUSE, THE-  
 TREATMENTPLANT\_WELL 01 - TREATED-  
 INACTIVE  
 DURELLE FINSTER 270 MARK WEST  
 STATION ROAD | 270 MARK WEST  
 STATION ROAD  
 WINDSOR, CA 95492  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 490567  
**EPA ID:** N/R

## PWS ENF (**cont.**)

RTC Enforcement ID : 0399999  
 Violation ID : 95V0001  
 Submission Year : 2020  
 Violation First Reported Date : 1995-12-12  
 Contaminant Name : Lead and Copper Rule  
 Rule Family : Lead and Copper Rule  
 Rule Group : Chemicals  
 Rule Name : Lead and Copper Rule  
 Violation Type : Initial Tap Sampling for Pb and Cu  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : DURELLE FINSTER, WINDSOR, 95492  
 Address Line 2 : 270 MARK WEST STATION ROAD  
 Compliance Status : Returned to Compliance  
 RTC Date : 2003-12-31  
 Enforcement Action Description : Federal Compliance achieved  
 Admin Name : N/R  
 Email Address : N/R

RTC Enforcement ID : 9518005  
 Violation ID : 9518005  
 Submission Year : 2020  
 Violation First Reported Date : 2007-05-17  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Monitoring, Routine Major (TCR)  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : DURELLE FINSTER, WINDSOR, 95492  
 Address Line 2 : 270 MARK WEST STATION ROAD  
 Compliance Status : Returned to Compliance  
 RTC Date : 1995-05-02  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : N/R  
 Email Address : N/R

RTC Enforcement ID : 9818006  
 Violation ID : 9818006  
 Submission Year : 2020  
 Violation First Reported Date : 2007-05-17  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule

Map Id: 7  
 Direction: SSW  
 Distance: 0.690 mi., 3646 ft.  
 Elevation: 131 ft.  
 Relative: Lower

**Site Name :** CA4900885 | LITTLE SCHOOL HOUSE |  
 LITTLE SCHOOL HOUSE, THE-  
 TREATMENTPLANT\_WELL 01 - TREATED-  
 INACTIVE  
 DURELLE FINSTER 270 MARK WEST  
 STATION ROAD | 270 MARK WEST  
 STATION ROAD  
 WINDSOR, CA 95492  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 490567  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Violation Type :	Maximum Contaminant Level Violation, Acute (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	1
Address Line 1 :	DURELLE FINSTER, WINDSOR, 95492
Address Line 2 :	270 MARK WEST STATION ROAD
Compliance Status :	Returned to Compliance
RTC Date :	1998-03-24
Enforcement Action Description :	State Compliance achieved
Admin Name :	N/R
Email Address :	N/R

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403  
**Database(s) :** [PWS, PWS ENF]

**Envirosite ID:** 841326  
**EPA ID:** N/R

## PWS

Facility Address : 5690 Dempsey Place, SANTA ROSA, CA 95403

PWS ID :	CA1700596
PWS Type :	Community water system
PWS Name :	BLUE LAKES VILLAGE
Activity Status :	Active
Primary Source :	Ground water
Submission Year :	2020
Submission Year Quarter :	2020Q4
Population Served Count :	65
Service Connections Count :	44
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	<=100
Submission Quarter :	4
Submission Status Code :	Y
First Reported Date :	1979-03-22
Last Reported Date :	2021-01-05
Deactivation Date :	N/R
GW or SW :	Groundwater

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 841326  
**EPA ID:** N/R

## PWS (**cont.**)

Is Grant Eligible :	Y
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N/R
Primacy Agency :	California
Primacy Type :	State
Org Name :	FROUG, JONATHAN
EPA Region :	Region 9
Admin Name :	FROUG, JONATHAN
Owner Type :	Private
Phone Number :	707-326-1616
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	sonomatrust@gmail.com
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	Y
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	N/R
Season End Date :	N/R
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2021-03-25

## PWS ENF

Facility Address : 5690 Dempsey Place, SANTA ROSA, CA 95403

## Site Details

PWS ID :	CA1700596
PWS Name :	BLUE LAKES VILLAGE
EPA Region :	Region 9
Primacy Agency :	California
PWS Type :	Community water system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Private
Phone Number :	707-326-1616
Last Date in Agency List :	2021-04-10

## Violation Details

RTC Enforcement ID :	N/R
Violation ID :	8315042
Submission Year :	2020

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] **(cont.)**

**EnviroSite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (cont.)

Violation First Reported Date : 1983-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8411746  
 Submission Year : 2020  
 Violation First Reported Date : 1984-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8462001  
 Submission Year : 2020  
 Violation First Reported Date : 1984-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8411742  
 Submission Year : 2020  
 Violation First Reported Date : 1984-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8315036  
 Submission Year : 2020  
 Violation First Reported Date : 1983-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8411748  
 Submission Year : 2020  
 Violation First Reported Date : 1984-09-30  
 Contaminant Name : N/R



Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8315044  
 Submission Year : 2020  
 Violation First Reported Date : 1983-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8315046  
 Submission Year : 2020  
 Violation First Reported Date : 1983-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8411740  
 Submission Year : 2020  
 Violation First Reported Date : 1984-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8315038  
 Submission Year : 2020  
 Violation First Reported Date : 1983-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8315034  
 Submission Year : 2020  
 Violation First Reported Date : 1983-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	5690 Dempsey Place, SANTA ROSA, 95403
Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	N/R
Admin Name :	FROUG, JONATHAN
Email Address :	sonomatrust@gmail.com

RTC Enforcement ID :	N/R
Violation ID :	8411754
Submission Year :	2020
Violation First Reported Date :	1984-09-30
Contaminant Name :	N/R
Rule Family :	Miscellaneous
Rule Group :	Other
Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	5690 Dempsey Place, SANTA ROSA, 95403
Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	N/R
Admin Name :	FROUG, JONATHAN
Email Address :	sonomatrust@gmail.com

RTC Enforcement ID :	N/R
Violation ID :	9603007
Submission Year :	2020
Violation First Reported Date :	2021-01-05
Contaminant Name :	Lead and Copper Rule
Rule Family :	Lead and Copper Rule
Rule Group :	Chemicals
Rule Name :	Lead and Copper Rule
Violation Type :	Follow-up Or Routine LCR Tap M/R
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	5690 Dempsey Place, SANTA ROSA, 95403
Address Line 2 :	N/R
Compliance Status :	Open
RTC Date :	N/R
Enforcement Action Description :	N/R
Admin Name :	FROUG, JONATHAN

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8315030  
 Submission Year : 2020  
 Violation First Reported Date : 1983-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8315040  
 Submission Year : 2020  
 Violation First Reported Date : 1983-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8411750  
 Submission Year : 2020  
 Violation First Reported Date : 1984-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8315032  
 Submission Year : 2020  
 Violation First Reported Date : 1983-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : N/R  
 Violation ID : 8411744  
 Submission Year : 2020  
 Violation First Reported Date : 1984-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

RTC Enforcement ID : N/R  
 Violation ID : 8411752  
 Submission Year : 2020  
 Violation First Reported Date : 1984-09-30  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Notification, Public  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Known  
 RTC Date : N/R  
 Enforcement Action Description : N/R  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : #12310732  
 Violation ID : 95V0001  
 Submission Year : 2020  
 Violation First Reported Date : 1995-12-12  
 Contaminant Name : Lead and Copper Rule  
 Rule Family : Lead and Copper Rule  
 Rule Group : Chemicals  
 Rule Name : Lead and Copper Rule  
 Violation Type : Initial Tap Sampling for Pb and Cu  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2002-03-31  
 Enforcement Action Description : Federal Compliance achieved  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : 9503003  
 Violation ID : 9503002  
 Submission Year : 2020  
 Violation First Reported Date : 1996-02-21  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Monitoring, Routine Major (TCR)  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**EnviroSite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 1995-03-01  
 Enforcement Action Description : State Formal Notice of Violation issued  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : 9503004  
 Violation ID : 9603003  
 Submission Year : 2020  
 Violation First Reported Date : 2007-05-17  
 Contaminant Name : Lead and Copper Rule  
 Rule Family : Lead and Copper Rule  
 Rule Group : Chemicals  
 Rule Name : Lead and Copper Rule  
 Violation Type : Initial Tap Sampling for Pb and Cu  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2016-07-07  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : 9503004  
 Violation ID : 9603004  
 Submission Year : 2020  
 Violation First Reported Date : 2013-06-26  
 Contaminant Name : Public Notice  
 Rule Family : Public Notice Rule  
 Rule Group : Other  
 Rule Name : Public Notice Rule  
 Violation Type : Public Notification Violation without NPDWR Violation  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2016-07-07  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : 9503004  
 Violation ID : 803009

Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403

**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Submission Year : 2020  
 Violation First Reported Date : 2009-11-30  
 Contaminant Name : Lead and Copper Rule  
 Rule Family : Lead and Copper Rule  
 Rule Group : Chemicals  
 Rule Name : Lead and Copper Rule  
 Violation Type : Follow-up Or Routine LCR Tap M/R  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2016-07-07  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : 9503005  
 Violation ID : 903008  
 Submission Year : 2020  
 Violation First Reported Date : 2009-08-12  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Operations Report  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2016-07-07  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : 9503005  
 Violation ID : 903006  
 Submission Year : 2020  
 Violation First Reported Date : 2009-08-12  
 Contaminant Name : N/R  
 Rule Family : Miscellaneous  
 Rule Group : Other  
 Rule Name : Miscellaneous  
 Violation Type : Variance/Exemption/Other Compliance  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403



Map Id: 8  
 Direction: SE  
 Distance: 0.806 mi., 4255 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** CA1700596 | BLUE LAKES VILLAGE-  
 TREATMENT PLANT - WELL 01  
 5690 DEMPSEY PLACE  
 SANTA ROSA, CA 95403  
**Database(s) :** [PWS, PWS ENF] (**cont.**)

**Envirosite ID:** 841326  
**EPA ID:** N/R

## PWS ENF (**cont.**)

Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 2016-07-07  
 Enforcement Action Description : State Compliance achieved  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

RTC Enforcement ID : 9503006  
 Violation ID : 9403001  
 Submission Year : 2020  
 Violation First Reported Date : 1994-12-09  
 Contaminant Name : Coliform (TCR)  
 Rule Family : Total Coliform Rules  
 Rule Group : Microbials  
 Rule Name : Total Coliform Rule  
 Violation Type : Monitoring, Routine Major (TCR)  
 Is Health Based : N  
 Is Major Violation : N/R  
 Severity Indicator Count : N/R  
 Public Notification Tier : 3  
 Address Line 1 : 5690 Dempsey Place, SANTA ROSA, 95403  
 Address Line 2 : N/R  
 Compliance Status : Returned to Compliance  
 RTC Date : 1994-09-30  
 Enforcement Action Description : State Formal Notice of Violation issued  
 Admin Name : FROUG, JONATHAN  
 Email Address : sonomatrust@gmail.com

Map Id: 9  
 Direction: NNE  
 Distance: 0.888 mi., 4688 ft.  
 Elevation: 249 ft.  
 Relative: Higher

**Site Name :** USGS-383211122460001 |  
 383211122460001 | S-NSF-VP16  
 38.5366111, -122.76675  
 CA  
**Database(s) :** [NWIS, WELLS - GAMA - CA]

**Envirosite ID:** 9237964  
**EPA ID:** N/R

## NWIS

Site Identification Number : 383211122460001  
 Site Type : Well  
 Station Name : 008N008W17Q001M  
 Agency : U.S. Geological Survey  
 District : California  
 State : CA  
 County : Sonoma County  
 Country : USA  
 Land Net Location : N/R  
 Name of Location Map : HEALDSBURG  
 Scale of Location Map : 24000  
 Altitude of Gage/Land Surface : 236

Map Id: 9  
 Direction: NNE  
 Distance: 0.888 mi., 4688 ft.  
 Elevation: 249 ft.  
 Relative: Higher

**Site Name :** USGS-383211122460001 |  
 383211122460001 | S-NSF-VP16  
 38.5366111, -122.76675  
 CA  
**Database(s) :** [NWIS, WELLS - GAMA - CA] *(cont.)*

**Envirosite ID:** 9237964  
**EPA ID:** N/R

#### NWIS *(cont.)*

Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	10
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Russian
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NONONNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	19741105
Date Site Established or Inventoried:	20120725
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-other GW Files :	YY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	107
Hole Depth :	107
Source of Depth Data :	D
Project Number :	00BHM8187
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	07/25/2012
Water-Quality Data End Date :	07/25/2012
Water-Quality Data Count :	2
Field Water-Level Data Begin Date :	2012-07-25
Field Water-Level Data End Date :	2012-07-25
Field Water-Level Data Count :	3
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	38.53661110
Longitude :	-122.76675000
Last Date in Agency List :	02/23/2021

#### WELLS - GAMA - CA

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosearch account representative for a complimentary site report containing all of the details available.

Well ID :	S-NSF-VP16
Well Type :	MUNICIPAL
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Source :	USGS
Source Name :	S-NSF-VP16
Other Names :	S-NSF-VP16
RL :	.001
Approximate Latitude :	38.53661111
Approximate Longitude :	-122.76675
Last Date in Agency List :	01/05/2021

Map Id: 9  
Direction: NNE  
Distance: 0.888 mi., 4688 ft.  
Elevation: 249 ft.  
Relative: Higher

**Site Name :** USGS-383211122460001 |  
383211122460001 | S-NSF-VP16  
38.5366111, -122.76675  
CA  
**Database(s) :** [NWIS, WELLS - GAMA - CA] (*cont.*)

**Envirosite ID:** 9237964  
**EPA ID:** N/R

**WELLS - GAMA - CA (*cont.*)**

Well ID : S-NSF-VP16  
Well Type : MUNICIPAL  
Well Depth (Ft.) : N/R  
Top of Screen (Ft.) : N/R  
Screen Length (Ft.) : N/R  
Source : USGS  
Source Name : S-NSF-VP16  
Other Names : S-NSF-VP16  
RL : .004  
Approximate Latitude : 38.53661111  
Approximate Longitude : -122.76675  
Last Date in Agency List : 01/05/2021

Well ID : S-NSF-VP16  
Well Type : MUNICIPAL  
Well Depth (Ft.) : N/R  
Top of Screen (Ft.) : N/R  
Screen Length (Ft.) : N/R  
Source : USGS  
Source Name : S-NSF-VP16  
Other Names : S-NSF-VP16  
RL : .0048  
Approximate Latitude : 38.53661111  
Approximate Longitude : -122.76675  
Last Date in Agency List : 01/05/2021

Well ID : S-NSF-VP16  
Well Type : MUNICIPAL  
Well Depth (Ft.) : N/R  
Top of Screen (Ft.) : N/R  
Screen Length (Ft.) : N/R  
Source : USGS  
Source Name : S-NSF-VP16  
Other Names : S-NSF-VP16  
RL : .005  
Approximate Latitude : 38.53661111  
Approximate Longitude : -122.76675  
Last Date in Agency List : 01/05/2021

Well ID : S-NSF-VP16  
Well Type : MUNICIPAL  
Well Depth (Ft.) : N/R  
Top of Screen (Ft.) : N/R  
Screen Length (Ft.) : N/R  
Source : USGS  
Source Name : S-NSF-VP16  
Other Names : S-NSF-VP16  
RL : .006  
Approximate Latitude : 38.53661111  
Approximate Longitude : -122.76675  
Last Date in Agency List : 01/05/2021

Map Id: 9  
Direction: NNE  
Distance: 0.888 mi., 4688 ft.  
Elevation: 249 ft.  
Relative: Higher

**Site Name :** USGS-383211122460001 |  
383211122460001 | S-NSF-VP16  
38.5366111, -122.76675  
CA  
**Database(s) :** [NWIS, WELLS - GAMA - CA] (*cont.*)

**EnviroSite ID:** 9237964  
**EPA ID:** N/R

**WELLS - GAMA - CA (*cont.*)**

Well ID : S-NSF-VP16  
Well Type : MUNICIPAL  
Well Depth (Ft.) : N/R  
Top of Screen (Ft.) : N/R  
Screen Length (Ft.) : N/R  
Source : USGS  
Source Name : S-NSF-VP16  
Other Names : S-NSF-VP16  
RL : .0076  
Approximate Latitude : 38.53661111  
Approximate Longitude : -122.76675  
Last Date in Agency List : 01/05/2021

Well ID : S-NSF-VP16  
Well Type : MUNICIPAL  
Well Depth (Ft.) : N/R  
Top of Screen (Ft.) : N/R  
Screen Length (Ft.) : N/R  
Source : USGS  
Source Name : S-NSF-VP16  
Other Names : S-NSF-VP16  
RL : .008  
Approximate Latitude : 38.53661111  
Approximate Longitude : -122.76675  
Last Date in Agency List : 01/05/2021

Well ID : S-NSF-VP16  
Well Type : MUNICIPAL  
Well Depth (Ft.) : N/R  
Top of Screen (Ft.) : N/R  
Screen Length (Ft.) : N/R  
Source : USGS  
Source Name : S-NSF-VP16  
Other Names : S-NSF-VP16  
RL : .01  
Approximate Latitude : 38.53661111  
Approximate Longitude : -122.76675  
Last Date in Agency List : 01/05/2021

Well ID : S-NSF-VP16  
Well Type : MUNICIPAL  
Well Depth (Ft.) : N/R  
Top of Screen (Ft.) : N/R  
Screen Length (Ft.) : N/R  
Source : USGS  
Source Name : S-NSF-VP16  
Other Names : S-NSF-VP16  
RL : .011  
Approximate Latitude : 38.53661111  
Approximate Longitude : -122.76675  
Last Date in Agency List : 01/05/2021

Map Id: 9  
 Direction: NNE  
 Distance: 0.888 mi., 4688 ft.  
 Elevation: 249 ft.  
 Relative: Higher

**Site Name :** USGS-383211122460001 |  
 383211122460001 | S-NSF-VP16  
 38.5366111, -122.76675  
 CA  
**Database(s) :** [NWIS, WELLS - GAMA - CA] (*cont.*)

**Envirosite ID:** 9237964  
**EPA ID:** N/R

## WELLS - GAMA - CA (*cont.*)

Well ID : S-NSF-VP16  
 Well Type : MUNICIPAL  
 Well Depth (Ft.) : N/R  
 Top of Screen (Ft.) : N/R  
 Screen Length (Ft.) : N/R  
 Source : USGS  
 Source Name : S-NSF-VP16  
 Other Names : S-NSF-VP16  
 RL : .012  
 Approximate Latitude : 38.53661111  
 Approximate Longitude : -122.76675  
 Last Date in Agency List : 01/05/2021

Chemicals :  
 07/25/2012 - AG < .005 UG/L  
 07/25/2012 - AL 2.6 UG/L  
 07/25/2012 - ALACL < .008 UG/L  
 07/25/2012 - ALK 212 MG/L  
 07/25/2012 - ALKCACO3 212 MG/L  
 07/25/2012 - AS 6.6 UG/L  
 07/25/2012 - ATRAZINE < .008 UG/L  
 07/25/2012 - AZIPM < .12 UG/L  
 07/25/2012 - B .432 MG/L  
 07/25/2012 - BA .223 MG/L  
 07/25/2012 - BDCME < .06 UG/L  
 07/25/2012 - BE .014 UG/L  
 07/25/2012 - BR .066 MG/L  
 07/25/2012 - BRME < .2 UG/L  
 07/25/2012 - BTBZN < .08 UG/L  
 07/25/2012 - BTBZS < .034 UG/L  
 07/25/2012 - BZ < .026 UG/L  
 07/25/2012 - BZME < .02 UG/L  
 07/25/2012 - C-14 41.48 PCT MODERN  
 07/25/2012 - CA 14.6 MG/L  
 07/25/2012 - CD .024 UG/L  
 07/25/2012 - CDS < .1 UG/L  
 07/25/2012 - CL 18.7 MG/L  
 07/25/2012 - CLBZ < .026 UG/L  
 07/25/2012 - CLBZME2 < .028 UG/L  
 07/25/2012 - CLBZME4 < .042 UG/L  
 07/25/2012 - CR .12 UG/L  
 07/25/2012 - CTCL < .06 UG/L  
 07/25/2012 - CU < .0008 MG/L  
 07/25/2012 - CYPERM < .02 UG/L

Well ID : USGS-383211122460001  
 Well Type : UNK  
 Well Depth (Ft.) : 107  
 Top of Screen (Ft.) : N/R  
 Screen Length (Ft.) : N/R  
 Source : USGSNEW  
 Source Name : USGS-383211122460001  
 Other Names : USGS-383211122460001  
 RL : UNK  
 Approximate Latitude : 38.5366111

Map Id: 9  
 Direction: NNE  
 Distance: 0.888 mi., 4688 ft.  
 Elevation: 249 ft.  
 Relative: Higher

**Site Name :** USGS-383211122460001 |  
 383211122460001 | S-NSF-VP16  
 38.5366111, -122.76675  
 CA  
**Database(s) :** [NWIS, WELLS - GAMA - CA] (**cont.**)

**EnviroSite ID:** 9237964  
**EPA ID:** N/R

## WELLS - GAMA - CA (**cont.**)

Approximate Longitude : -122.76675  
 Last Date in Agency List : 01/05/2021

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your EnviroSite account representative for a complimentary site report containing all of the details available.

Chemicals :

- 07/25/2012 - AG ND 0 UG/L
- 07/25/2012 - AL = 2.6 UG/L
- 07/25/2012 - ALACL ND 0 UG/L
- 07/25/2012 - ALPHA = .3 pCi/L
- 07/25/2012 - ALPHA = 2.5 pCi/L
- 07/25/2012 - AS = 6.6 UG/L
- 07/25/2012 - ATRAZINE ND 0 UG/L
- 07/25/2012 - AZIPM ND 0 UG/L
- 07/25/2012 - B = .432 MG/L
- 07/25/2012 - BA = .223 MG/L
- 07/25/2012 - BDCME ND 0 UG/L
- 07/25/2012 - BE = .014 UG/L
- 07/25/2012 - BR = .066 MG/L
- 07/25/2012 - BRME ND 0 UG/L
- 07/25/2012 - BTBZN ND 0 UG/L
- 07/25/2012 - BTBZS ND 0 UG/L
- 07/25/2012 - BTBZT ND 0 UG/L
- 07/25/2012 - BZ ND 0 UG/L
- 07/25/2012 - BZME ND 0 UG/L
- 07/25/2012 - C-14 = .22 PCT MODERN
- 07/25/2012 - C-14 = 41.48 PCT MODERN
- 07/25/2012 - CA = 14.6 MG/L
- 07/25/2012 - CD = .024 UG/L
- 07/25/2012 - CDS ND 0 UG/L
- 07/25/2012 - CL = 18.7 MG/L
- 07/25/2012 - CLBZ ND 0 UG/L
- 07/25/2012 - CR = .12 UG/L
- 07/25/2012 - CTCL ND 0 UG/L
- 07/25/2012 - CU ND 0 MG/L
- 07/25/2012 - DBCME ND 0 UG/L

Map Id: 10  
 Direction: ESE  
 Distance: 0.974 mi., 5144 ft.  
 Elevation: 500 ft.  
 Relative: Higher

**Site Name :** POLE  
 38.519856, -122.753222  
 SANTA ROSA, CA  
**Database(s) :** [DIGITAL OBSTACLE]

**EnviroSite ID:** 806706  
**EPA ID:** N/R

## DIGITAL OBSTACLE

Date of Action : 2013-03-05  
 Action : +-3'

Map Id: 10  
 Direction: ESE  
 Distance: 0.974 mi., 5144 ft.  
 Elevation: 500 ft.  
 Relative: Higher

**Site Name :** POLE  
 38.519856, -122.753222  
 SANTA ROSA, CA  
**Database(s) :** [DIGITAL OBSTACLE] (**cont.**)

**Envirosite ID:** 806706  
**EPA ID:** N/R

## DIGITAL OBSTACLE (**cont.**)

FAA Study Number :	N/R
OBS Number :	06-028585
Obstacle Type :	POLE
City Name :	SANTA ROSA
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Unknown
Verification Status :	Verified
Quantity :	1
Mark Indicator :	Unknown
Above Ground Level Height (Feet) :	00107
Above Mean Sea Level Height (Feet) :	00610
Horizontal Accuracy :	+/-20'
Vertical Accuracy :	+/-10'
Latitude :	38 31 11.48N
Longitude :	122 45 11.60W

## RADON DATA:

STATE SOURCE: CA

Radon Test Results:

<b><u>Zip:</u></b>	<b><u>Total Sites:</u></b>	<b><u>Cnt &gt;=4 pCi/L:</u></b>	<b><u>Pct &gt;= 4 pCi/L:</u></b>	<b><u>Max Result (pCi/L):</u></b>
95403	16	0	0	3.1

FEDERAL AREA RADON INFORMATION FOR: 95403

NUMBER OF SAMPLE SITES: 4

<b><u>Area:</u></b>	<b><u>Average Activity:</u></b>	<b><u>% &lt;4 pCi/L:</u></b>	<b><u>% 4-20 pCi/L:</u></b>	<b><u>% &gt;20 pCi/L:</u></b>
first floor	0.575 pCi/L	100%	0%	0%

FEDERAL EPA RADON ZONE FOR SONOMA COUNTY: Zone = 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 < 2 pCi/L



## HIST PWS ENF

Historical Public Water Supply locations with Enforcement Violations

Environmental Protection Agency

(800) 426-4791

List of Safe Drinking Water Information Systems (SDWIS) with enforcement violations that are no longer in current agency list.

## NWIS

National Water Information Systems

United States Geological Society

(703) 648-5953

Information on all water resources for the United States. This database contains all current and historical data for the nation.

## PWS

Public Water Supply

Environmental Protection Agency

(800) 426-4791

Safe drinking water information Systems

## PWS ENF

Public Water Supply locations with Enforcement Violations

Environmental Protection Agency

(800) 426-4791

Safe drinking water information Systems with enforcement violations

## WELLS - GAMA - CA

California Groundwater Ambient Monitoring Assessment

State Water Resources Control Board

916-341-5791

Brings together datasets from California state agencies including: Public Health Water Resources and Pesticide Regulation as well as from the US Geological Survey Lawrence Livermore National Laboratory and the Water Boards. It shows results for untreated raw water in different types of wells for naturally-occurring and man-made chemicals.

## FLOOD Q3

Flood data

Environmental Protection Agency

(202) 566-1667

Q3 Flood Data

## HYDROLOGIC UNIT

Hydrologic Unit Maps

USGS

The United States Geological Survey created a hierarchical system of hydrologic units originally called regions, sub-regions, accounting units, and cataloging units. Each unit was assigned a unique Hydrologic Unit Code (HUC). As first implemented the system had 21 regions, 221 subregions, 378 accounting units, and 2,264 cataloging units. Over time the system was changed and expanded. As of 2010 there are six levels in the hierarchy, represented by hydrologic unit codes from 2 to 12 digits long, called regions, subregions, basins, subbasins, watersheds, and subwatersheds. The table below describes the system's hydrologic unit levels and their characteristics, along with example names and codes.

## WETLANDS NWI

National Wetland Inventory  
U.S. Fish and Wildlife Service  
(703) 358-2171  
Wetland Inventory for the United States

## SSURGO

Detailed Soil Data Map  
Natural Resources Conservation Service: U.S. Department of Agriculture  
(202) 690-4985  
Detailed Soil Data Map

## STATSGO & MUI

General Soil Data Map  
Natural Resources Conservation Service: U.S. Department of Agriculture  
(202) 690-4985  
General Soil Data Map

## USGS GEOLOGIC AGE

USGS Digital Data Series DDS  
Natural Resources Conservation Service: U.S. Department of Agriculture  
(202) 690-4985  
USGS Digital Data Series DDS: Geologic Age and Rock Stratigraphic Unit

## DAMS - CA

California Dam Inundation Maps  
Department of Water Resources  
916-845-8275  
Dam inundation maps show the maximum extent of damage of a flood wave from a dam failure

## OIL & GAS WELLS - CA

Oil and Gas Well Data  
State of California Department of Conservation  
916-327-1042  
Oil and gas well locations and detail for all 6 districts

## RADON

National Radon Database  
USGS  
703-605-6008  
A study of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

## RADON - CA

Radon tested locations in California  
California Department of Health Services  
(916) 449-5674  
A table of long term and short term indoor radon measurements

## RADON EPA

RADON EPA  
United States Environmental Protection Agency  
EPA list of Radon zones

## AIRPORT FACILITIES

Airport landing facilities

Federal Aviation Administration

(866) 835-5322

Airport landing facilities

## BASINS

Better Assessment Science Integrating point & Non-point Sources

U.S. Environmental Protection Agency

855-246-3642

Integrated geographical information system national watershed data and environmental assessment known as Better Assessment Science Integrating point & Non-point Sources

## DIGITAL OBSTACLE

Obstacles of interest to aviation users

Federal Aviation Administration

855-379-6518

The Digital Obstacle File describes all known obstacles of interest to aviation users in the U.S. with limited coverage of the Pacific the Caribbean Canada and Mexico. The obstacles are assigned unique numerical identifiers; accuracy codes and listed in order of ascending latitude within each state or area by FAA Region.

## EPICENTERS

National Geographical Data Center

National Geographical Data Center

303-497-6826

List of recent and historic earthquakes and information.

## FLOOD DFIRM

National Flood Hazard Layer Database

Federal Emergency Management Agency

The National Flood Hazard Layer Database (NFHL) is a computer database that contains the flood hazard map information from FEMAs Flood Map Modernization program. These map data are from Digital Flood Insurance Rate Map (DFIRM) databases and Letters of Map Revision.



# Appendix B

## **Historical Aerial Photographs, Historical Topographic Maps, City Directories, and Septic System Inspection Reports**





# Historical Aerial Photo Report | 2021

Order Number: 56247

Report Generated: 06/11/2021

Project Name: East Shiloh Road

Project Number: D202100489-1

222 E. Shiloh Rd.

222 E Shiloh Rd

Santa Rosa, CA, 95403

---

2 Corporate Dr

Suite 450

Shelton, CT 06484

Toll Free: 866-211-2028

[www.envirositecorp.com](http://www.envirositecorp.com)





Envirosite's Historical Aerial Photo Report is designed to assist in evaluating a subject property resulting from past activities. EnviroSite's Historical Aerial Photo Report includes a search of available historical aerial photographs, dating back to the 1930s, or earliest available photographs.

## **ENVIROSITE SEARCHED SOURCES**

### **SUBJECT PROPERTY:**

222 E. Shiloh Rd.  
222 E Shiloh Rd  
Santa Rosa, CA, 95403

<b><u>YEAR:</u></b>	<b><u>SCALE:</u></b>	<b><u>SOURCE:</u></b>
1952	1" = 500'	U.S.D.A
1953	1" = 500'	U.S.G.S
1956	1" = 500'	U.S.G.S
1957	1" = 1,000'	U.S.G.S
1968	1" = 500'	U.S.G.S
1971	1" = 1,000'	U.S.G.S
1972	1" = 1,000'	U.S.G.S
1974	1" = 500'	U.S.G.S
1975	1" = 1,000'	U.S.G.S
1979	1" = 1,000'	U.S.G.S
1983	1" = 1,000'	NHAP
1985	1" = 1,000'	U.S.G.S
1987	1" = 1,000'	U.S.D.A
1993	1" = 500'	DOQ
1998	1" = 500'	U.S.D.A
2005	1" = 500'	NAIP
2009	1" = 500'	NAIP
2010	1" = 500'	NAIP
2012	1" = 500'	NAIP
2014	1" = 500'	NAIP
2016	1" = 500'	NAIP
2018	1" = 500'	NAIP
2020	1" = 500'	NAIP

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**FLIGHT YEAR:**  
1952

**Subject Cannot Be Centered**

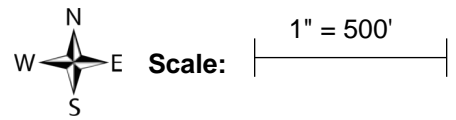


**Scale:** 1" = 500'



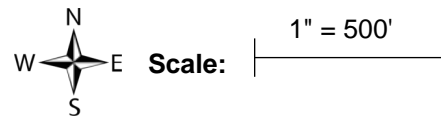


**FLIGHT YEAR:**  
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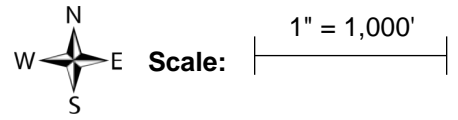


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1956



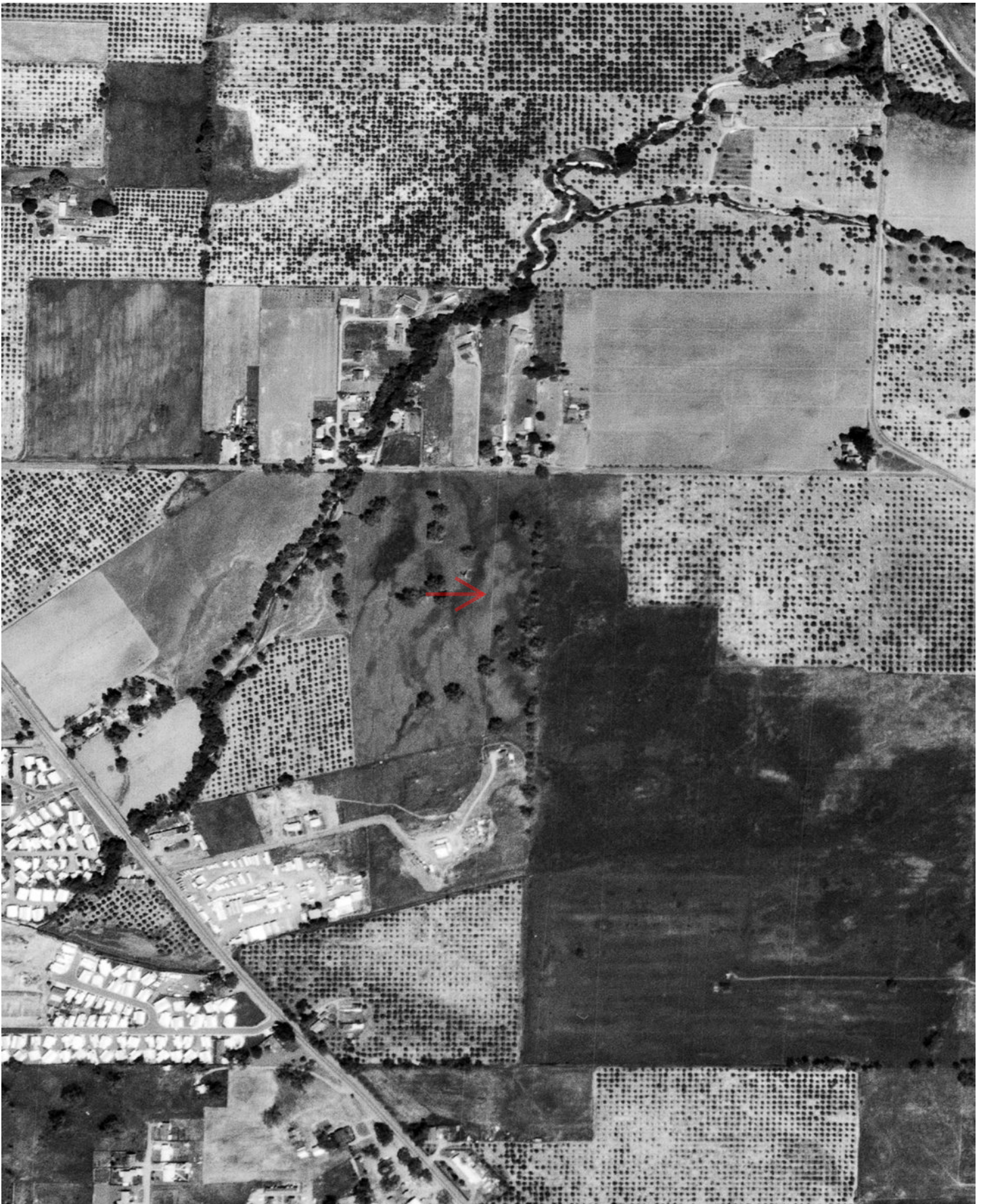


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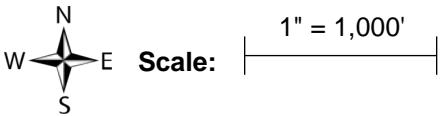




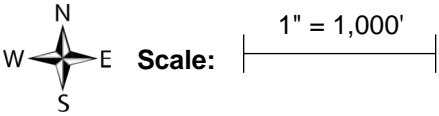
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**FLIGHT YEAR:**  
1971

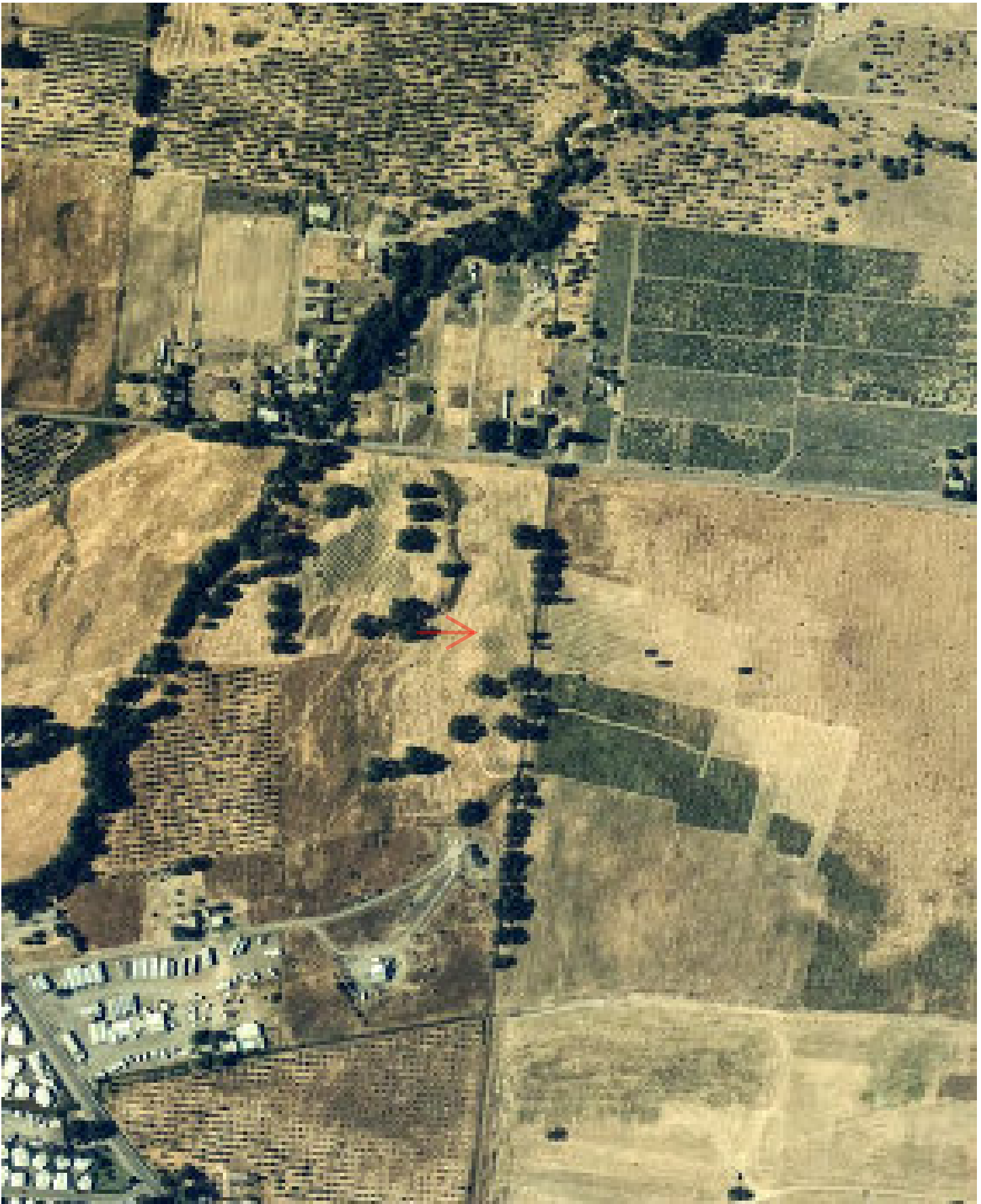
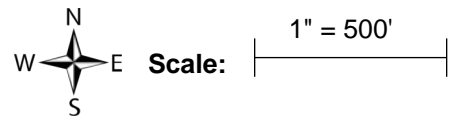


**FLIGHT YEAR:**  
1972





**FLIGHT YEAR:**  
1974



**FLIGHT YEAR:**  
1975

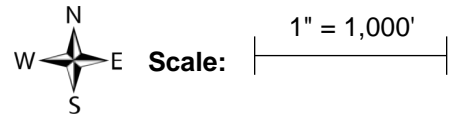
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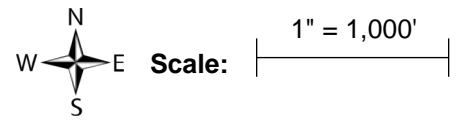
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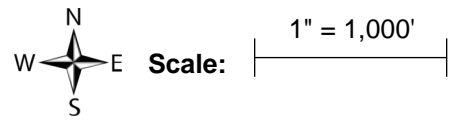


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1983

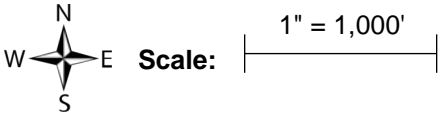




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1985

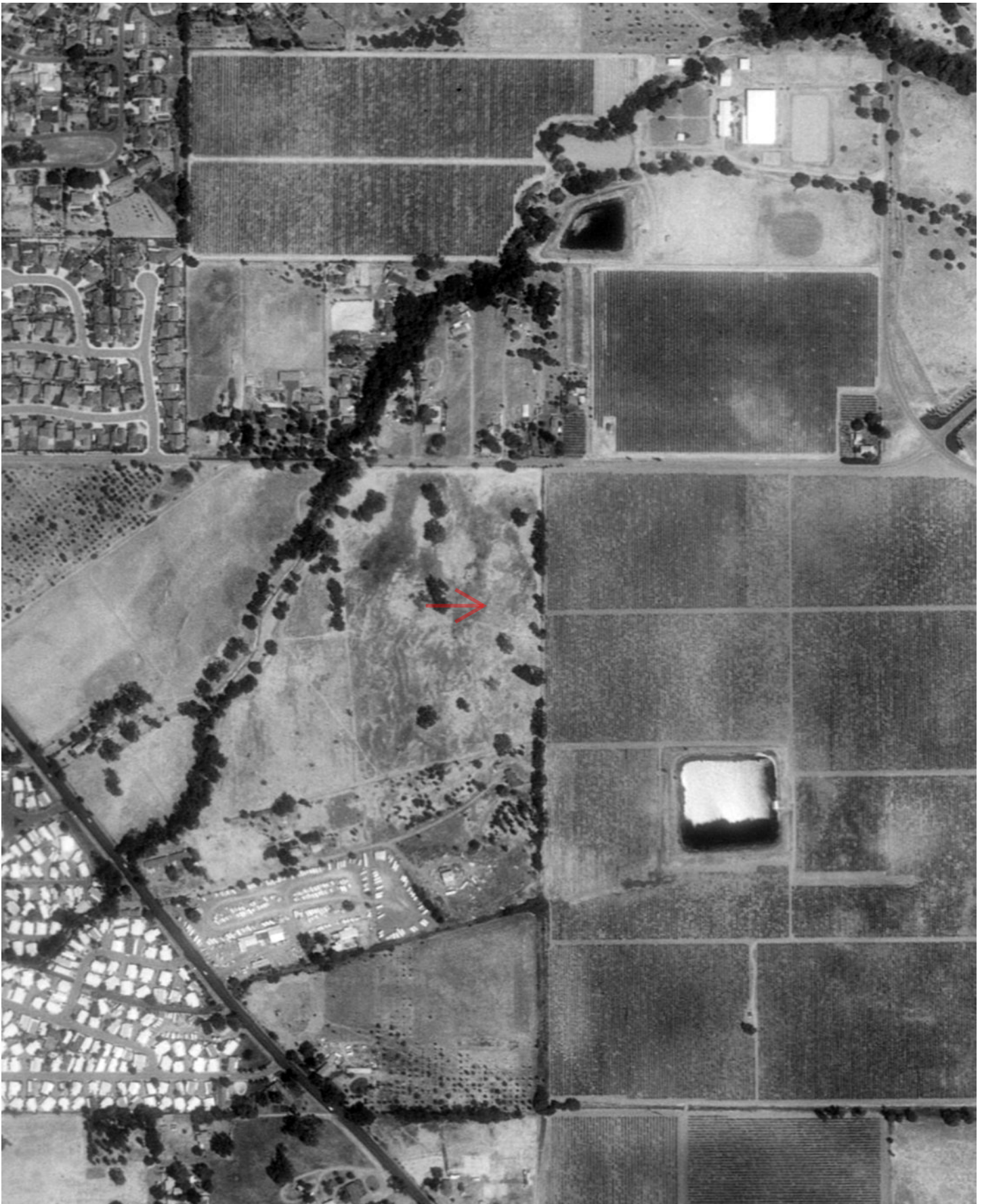
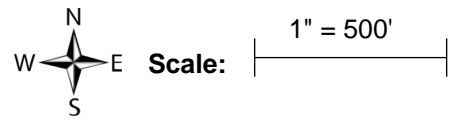


**FLIGHT YEAR:**  
1987



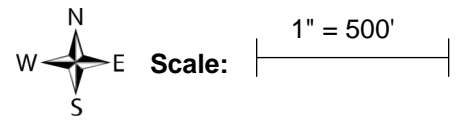


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1993



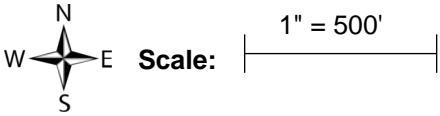


**FLIGHT YEAR:**  
1998

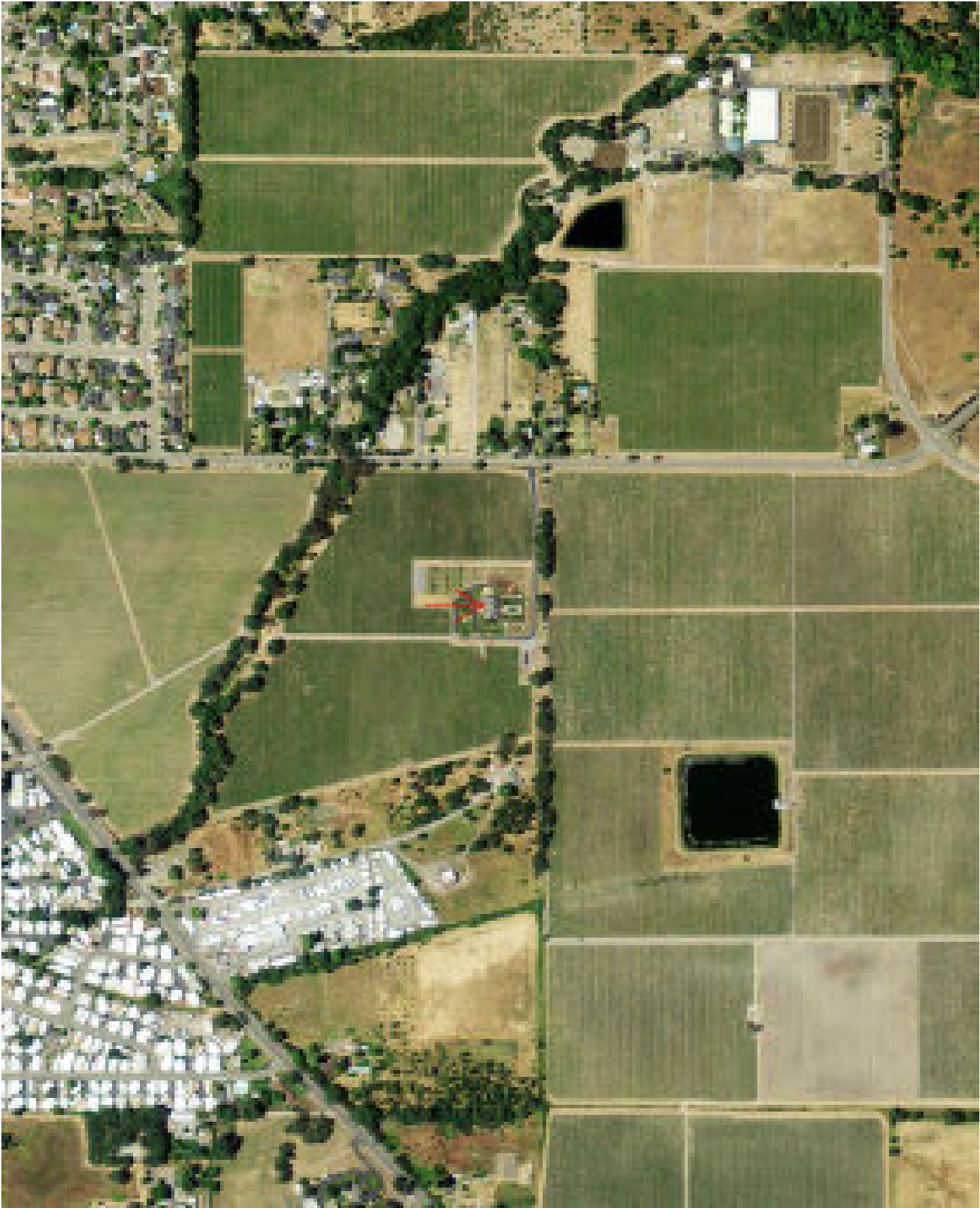
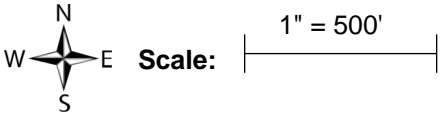




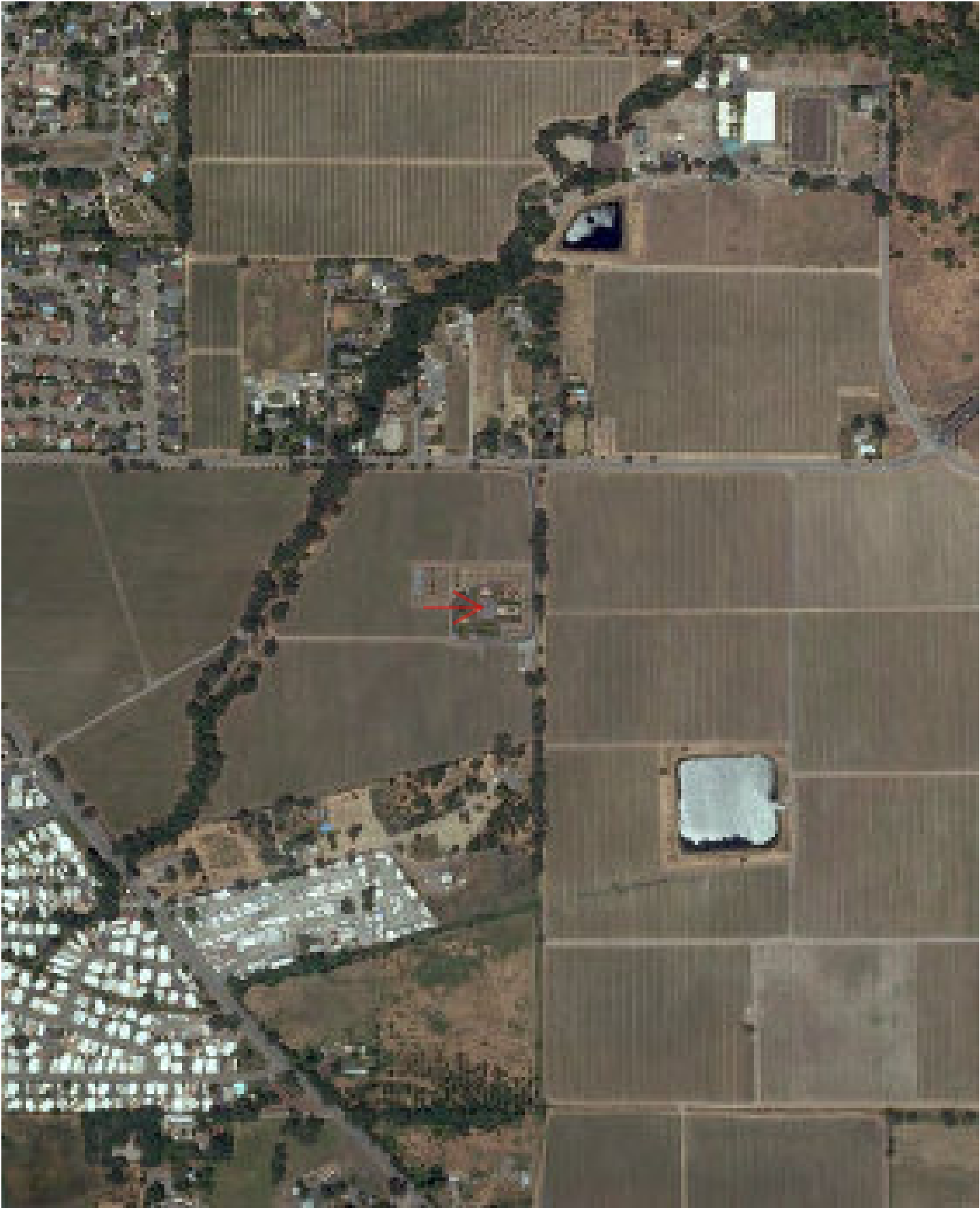
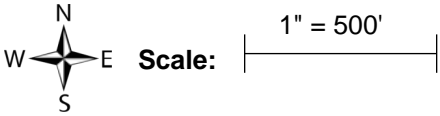
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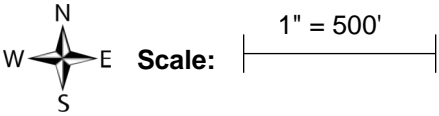
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2009



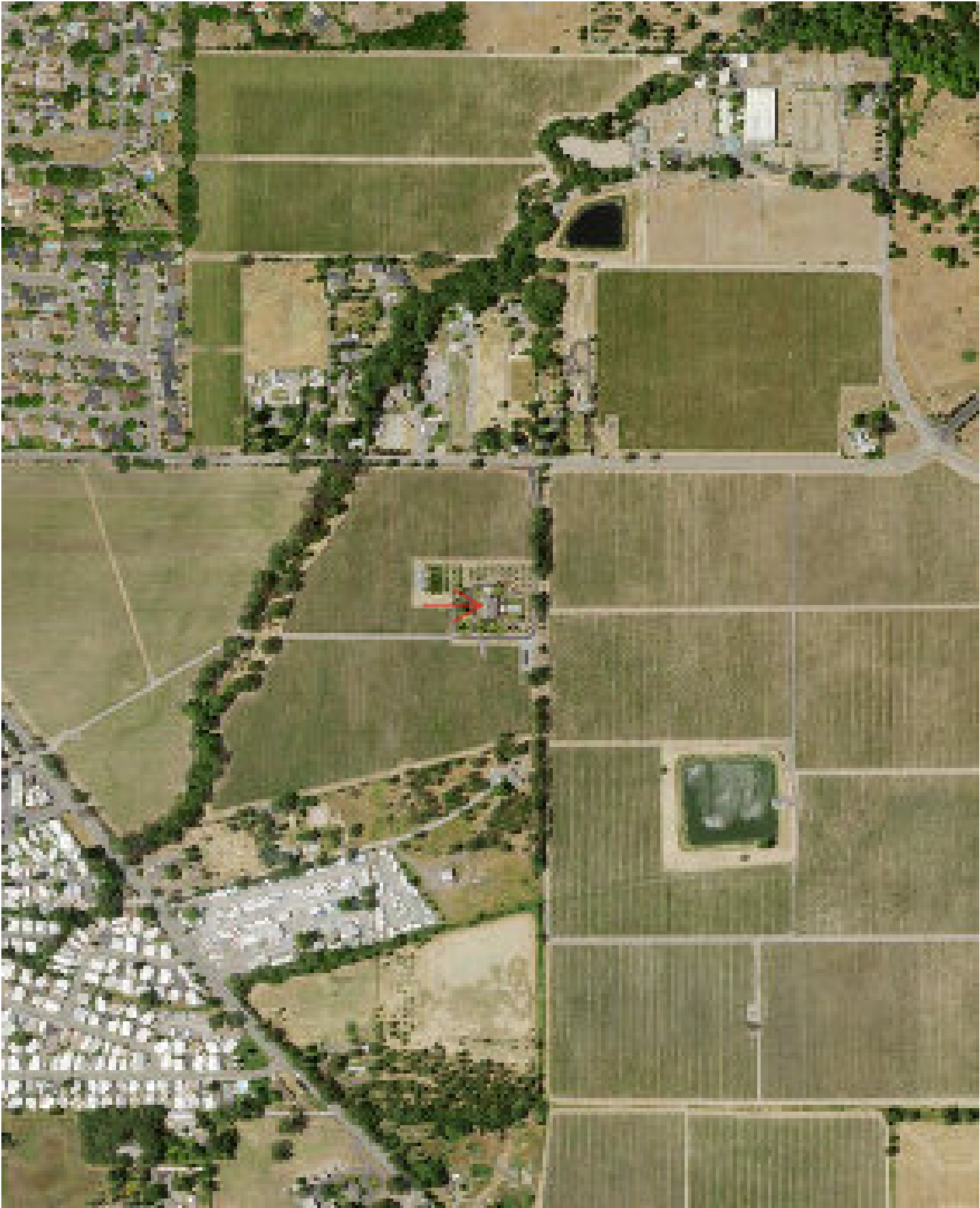
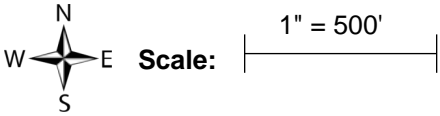
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2010



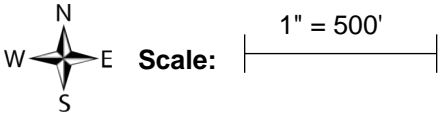
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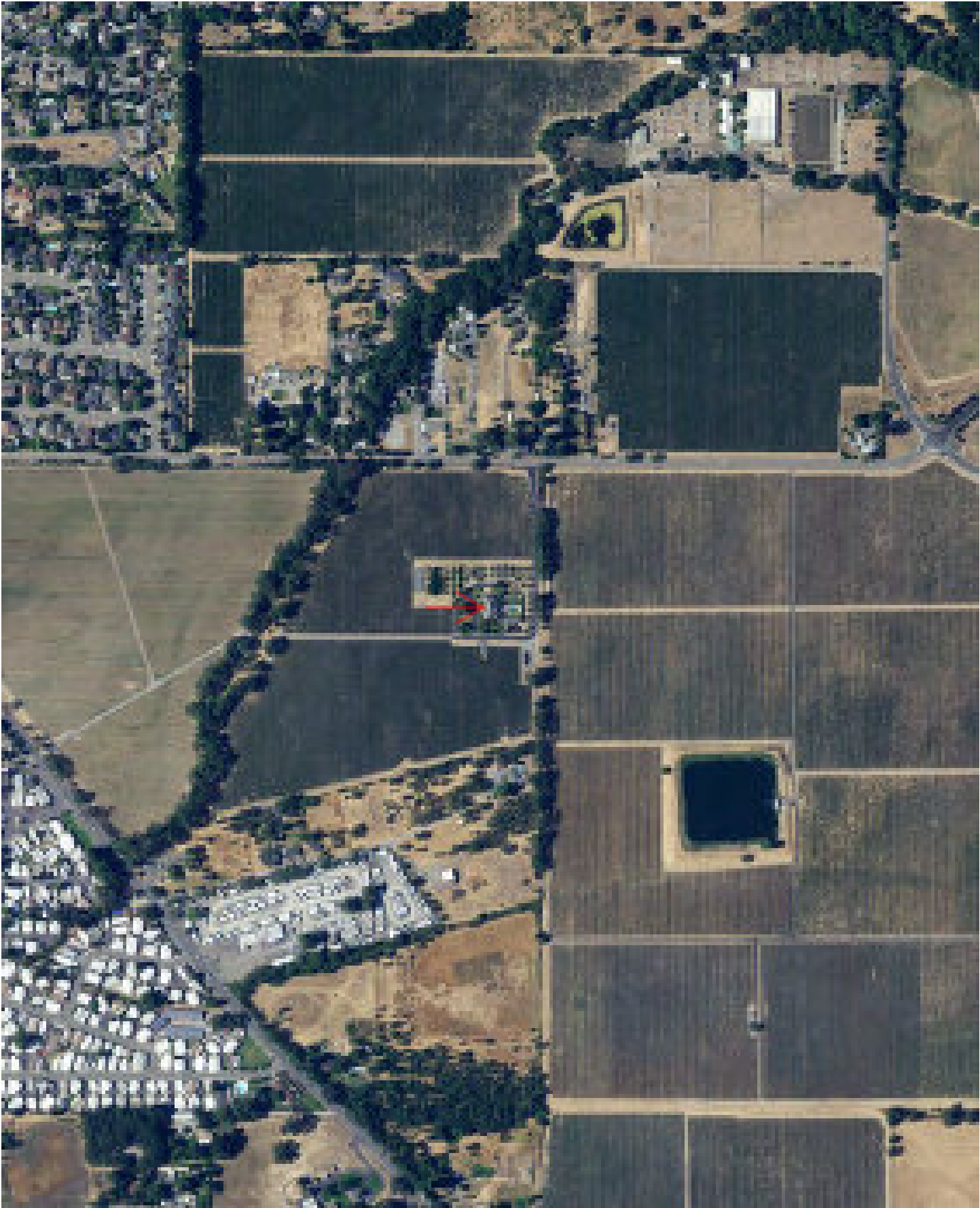
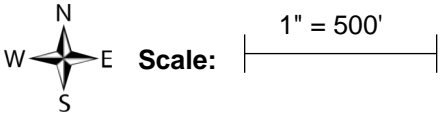
**FLIGHT YEAR:**  
2014



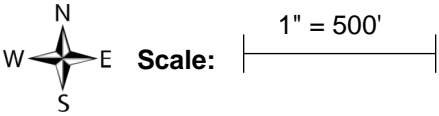
**FLIGHT YEAR:**  
2016



**FLIGHT YEAR:**  
2018



**FLIGHT YEAR:**  
2020







## Historical Topographic Map Report | 2021

Order Number: 56247

Report Generated: 06/07/2021

Project Name: East Shiloh Road

Project Number: D202100489-1

222 E. Shiloh Rd.  
222 E Shiloh Rd  
Santa Rosa, CA 95403

---

2 Corporate Drive  
Suite 450  
Shelton, CT 06484  
Toll Free: 866-211-2028  
[www.envirositecorp.com](http://www.envirositecorp.com)

Envirosite's Historical Topographic Map Report is designed to assist in evaluating a subject property resulting from past activities. Envirosite's Historical Topographic Map Report includes a search of USGS historical topographic maps, dating back to the early 1900s.

## TOPOGRAPHIC MAPS FOUND:

	<u>Map Name:</u>	<u>Year:</u>	<u>Revision Year:</u>	<u>Scale:</u>
1.	<u>Healdsburg</u>	1920	N/R	1 : 62500
2.	<u>Healdsburg</u>	1933	N/R	1 : 48000
3.	<u>Healdsburg</u>	1940	N/R	1 : 62500
4.	<u>Healdsburg</u>	1940	N/R	1 : 62500
5.	<u>Healdsburg</u>	1940	N/R	1 : 62500
6.	<u>Healdsburg</u>	1955	1980	1 : 24000
7.	<u>Healdsburg</u>	1955	N/R	1 : 24000
8.	<u>Healdsburg</u>	1955	N/R	1 : 24000
9.	<u>Healdsburg</u>	1955	N/R	1 : 62500
10.	<u>Healdsburg</u>	1955	N/R	1 : 62500
11.	<u>Healdsburg</u>	1993	N/R	1 : 24000
12.	<u>Healdsburg</u>	1993	N/R	1 : 24000
13.	<u>Healdsburg</u>	2012	N/R	1 : 24000
14.	<u>Healdsburg</u>	2015	N/R	1 : 24000
15.	<u>Healdsburg</u>	2018	N/R	1 : 24000

The USGS 7.5 minute series includes scales 1:24,000 / 1:25,000 / 1:31,680. The USGS 15 minute series includes scales 1:48,000 / 1:62,500 / 1:63,360. The USGS 30x60 minute series scale is 1:100,000.

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SUBJECT NAME: 222 E. Shiloh Rd.  
 ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
 LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
 ORDER #: 56247  
 REPORT DATE: 06/07/2021

SUBJECT QUAD:

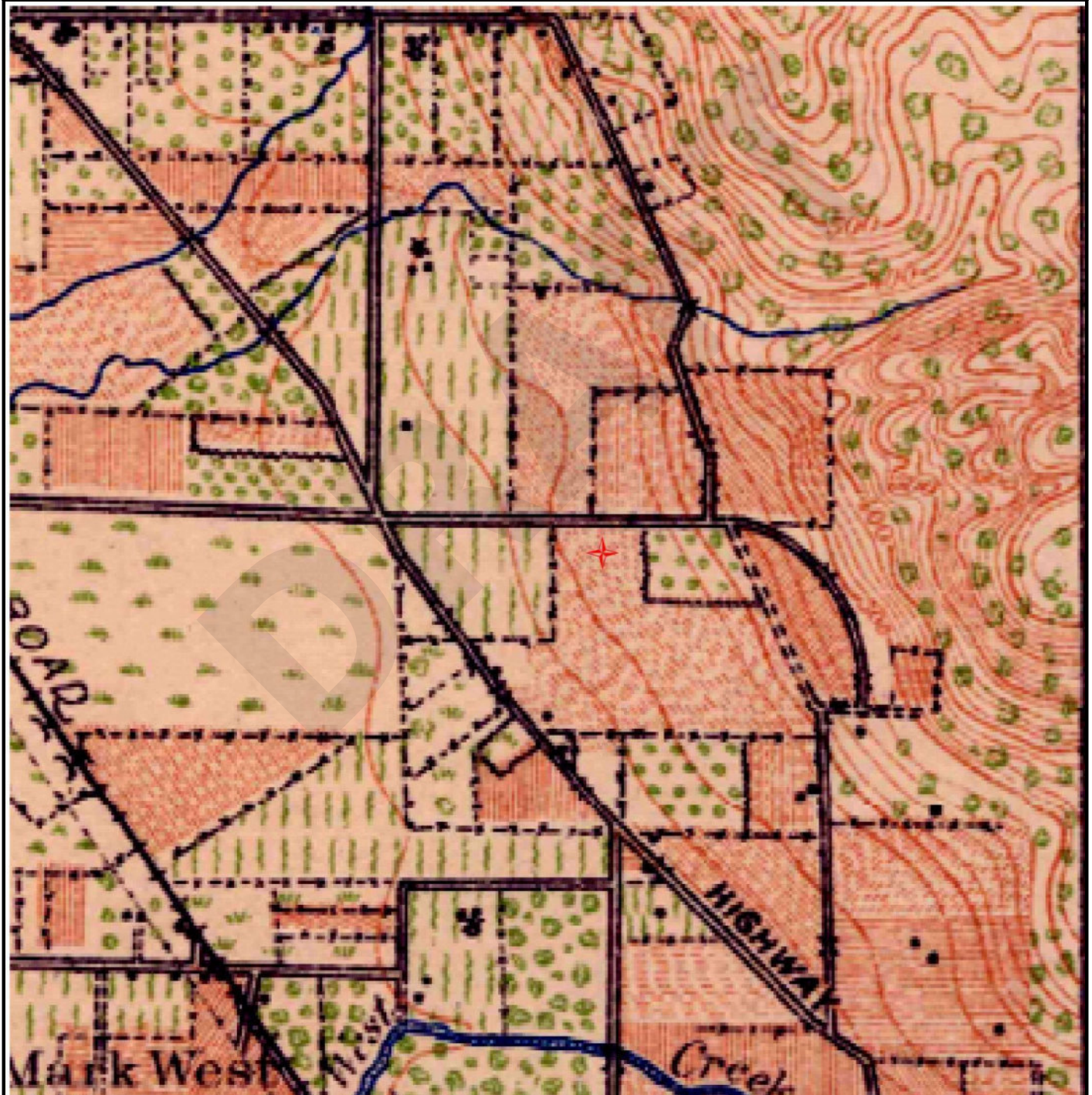
MAP NAME: Healdsburg

MAP YEAR: 1920

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
ORDER #: 56247  
REPORT DATE: 06/07/2021

SUBJECT QUAD:

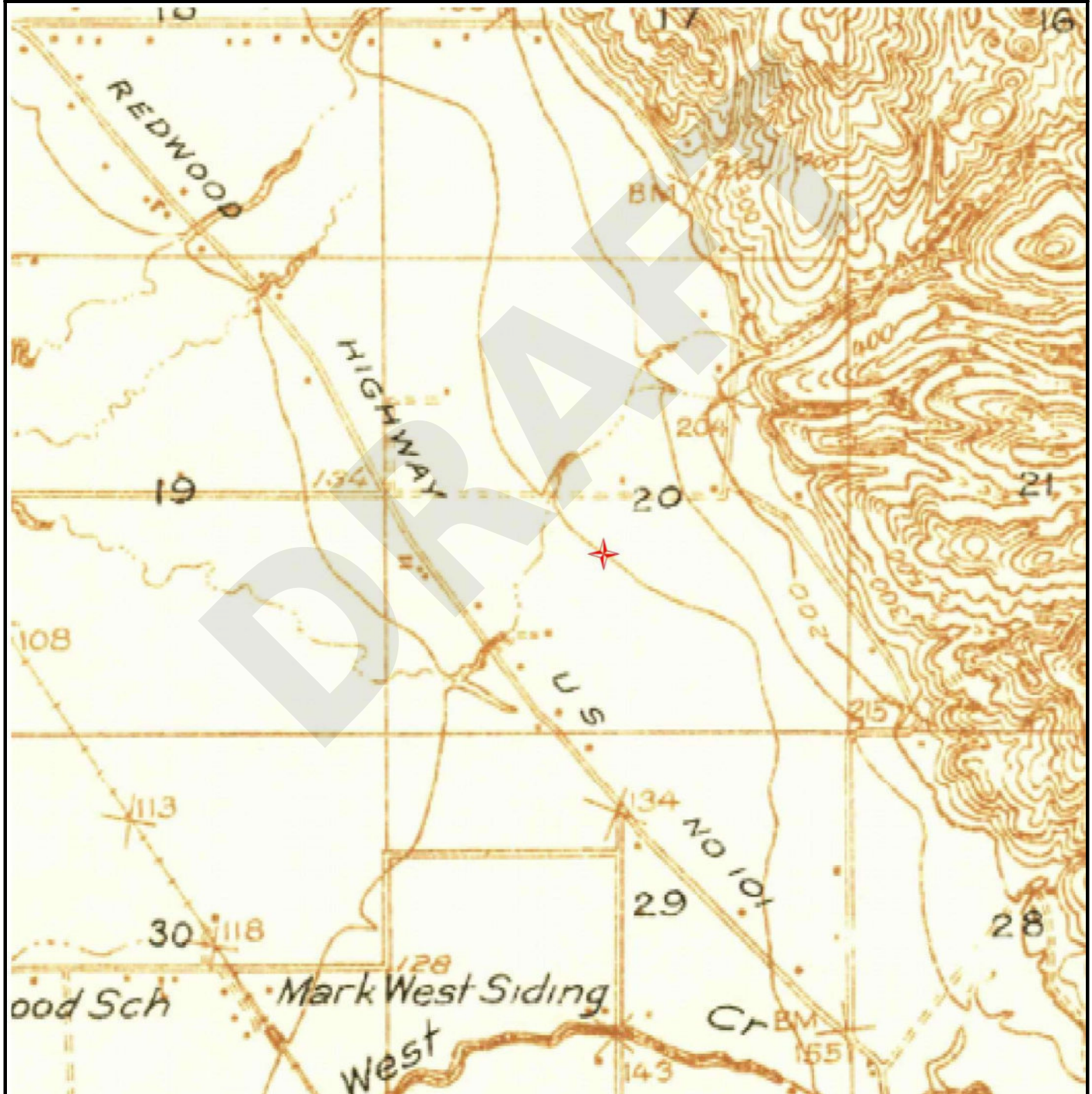
MAP NAME: Healdsburg

MAP YEAR: 1933

REVISION YEAR: N/R

SCALE: 1 : 48000

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
ORDER #: 56247  
REPORT DATE: 06/07/2021

SUBJECT QUAD:

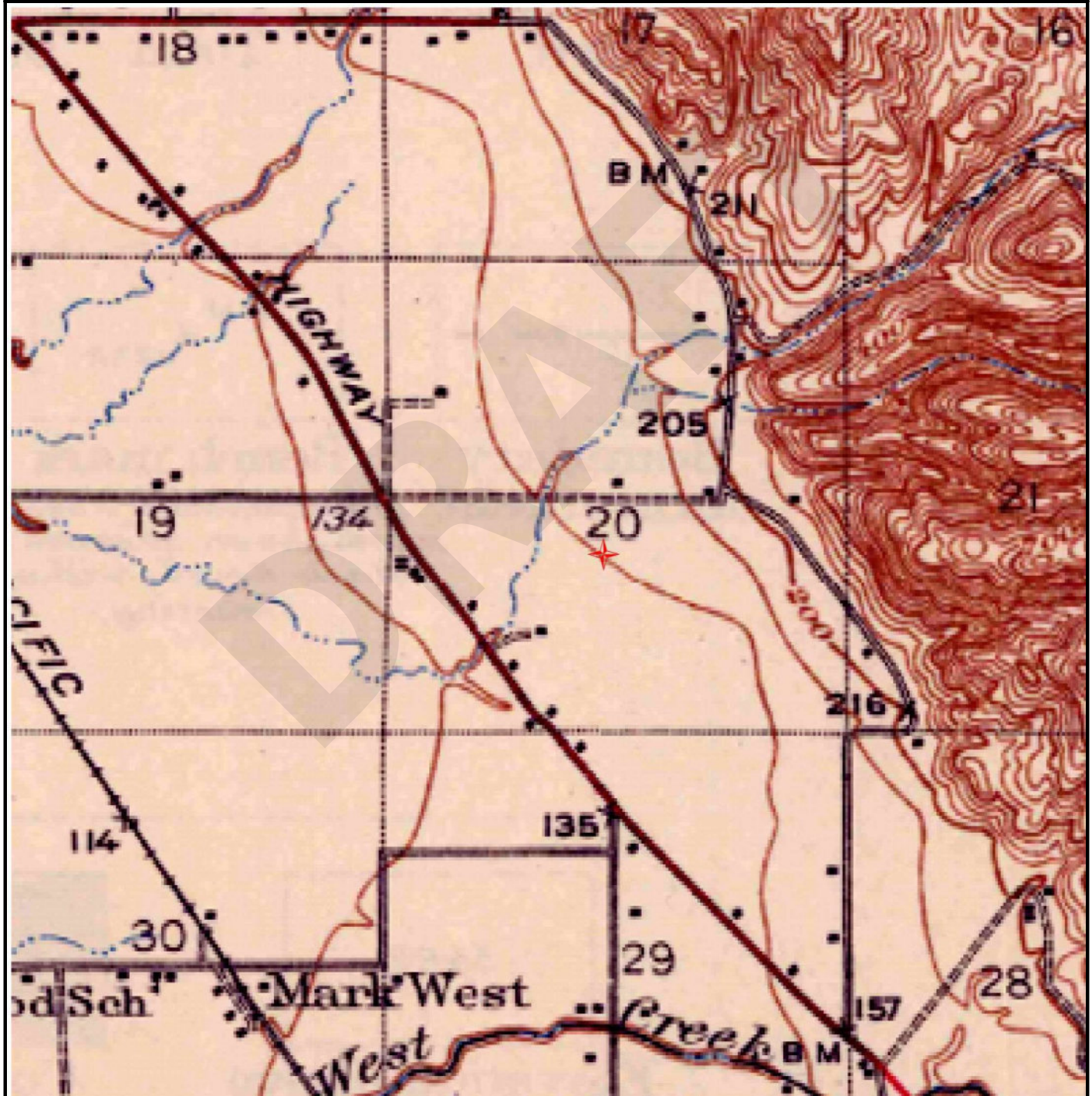
MAP NAME: Healdsburg

MAP YEAR: 1940

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
ORDER #: 56247  
REPORT DATE: 06/07/2021

SUBJECT QUAD:

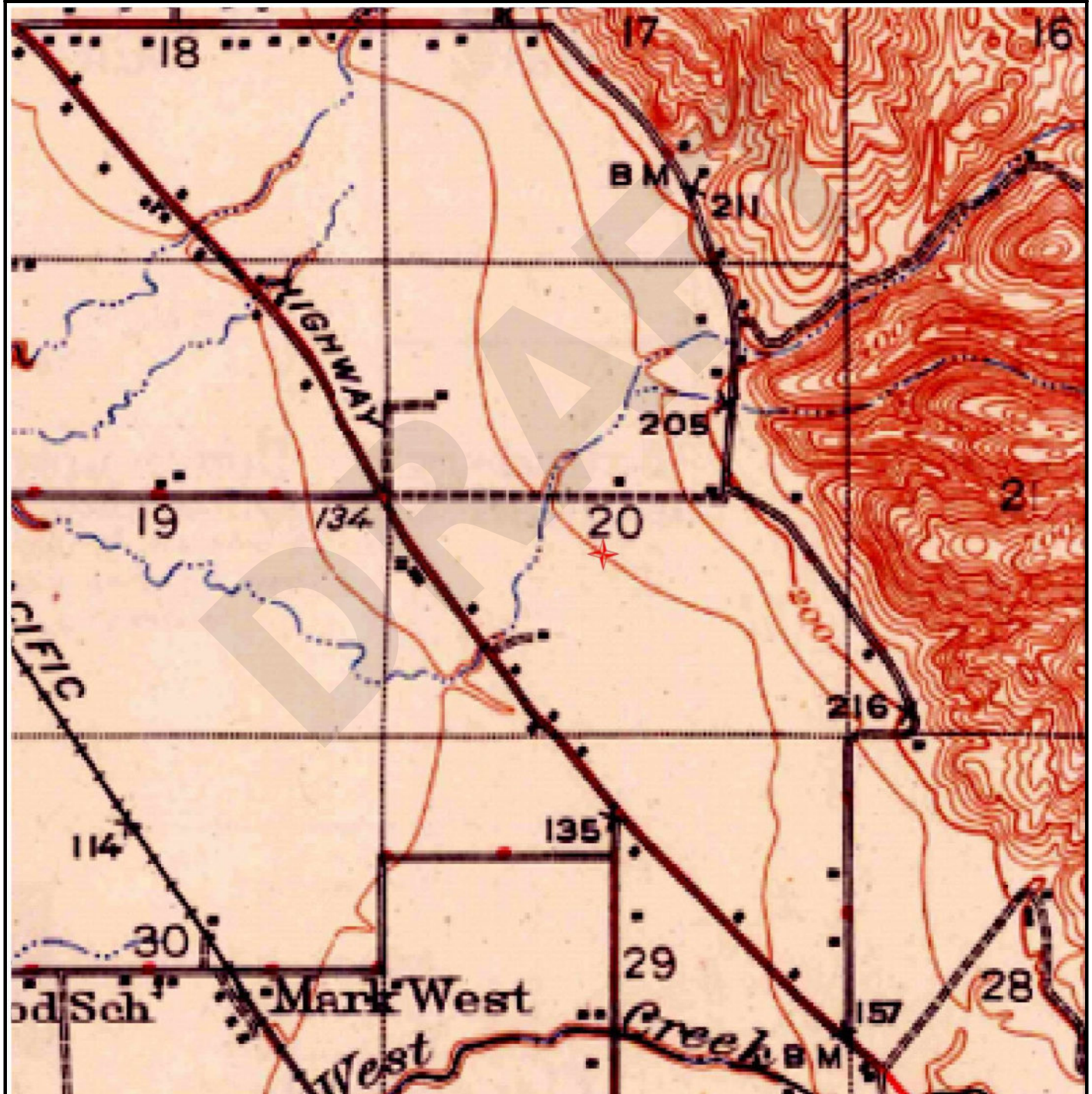
MAP NAME: Healdsburg

MAP YEAR: 1940

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
ORDER #: 56247  
REPORT DATE: 06/07/2021

SUBJECT QUAD:

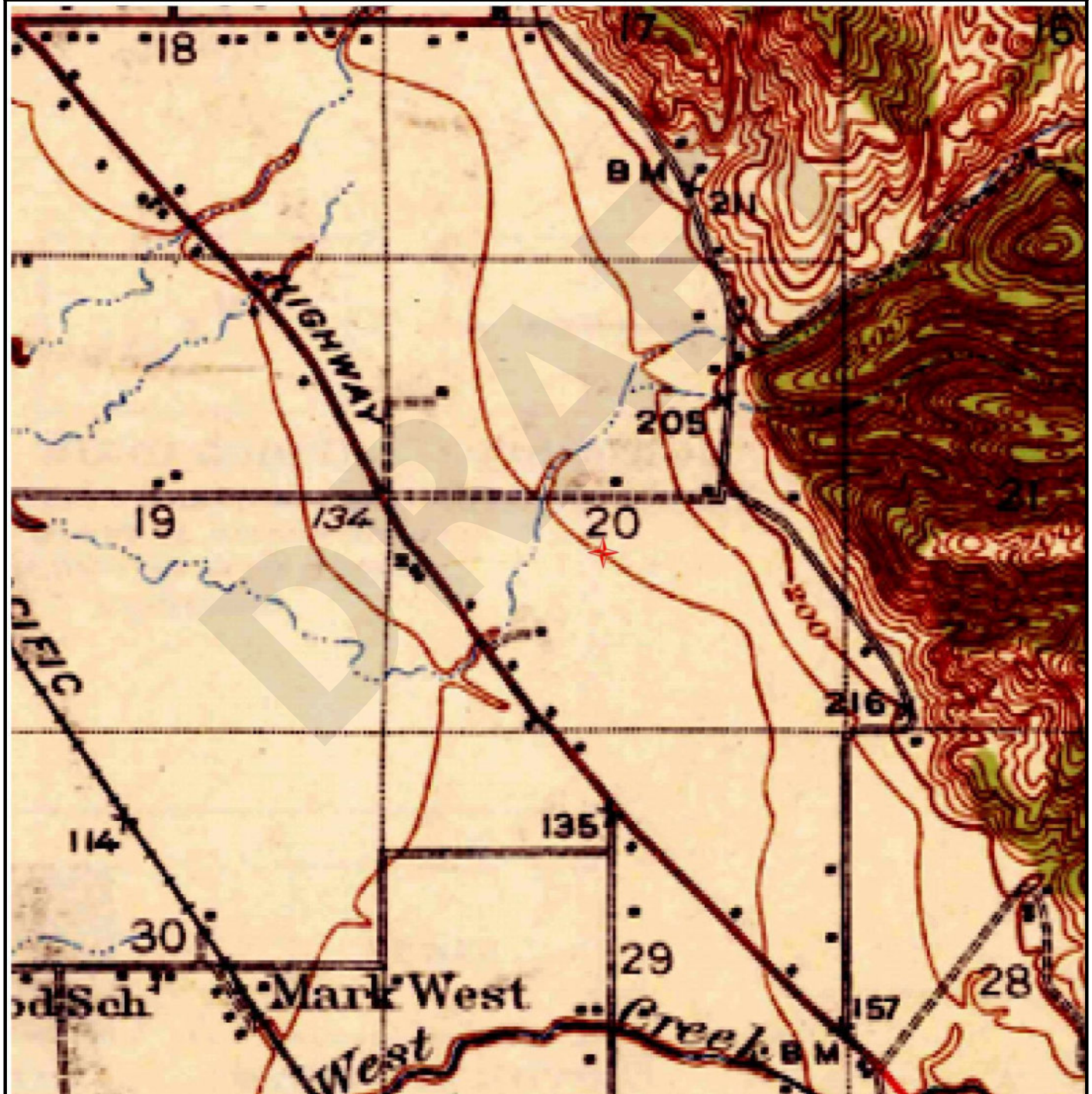
MAP NAME: Healdsburg

MAP YEAR: 1940

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
 ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
 LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
 ORDER #: 56247  
 REPORT DATE: 06/07/2021

SUBJECT QUAD:

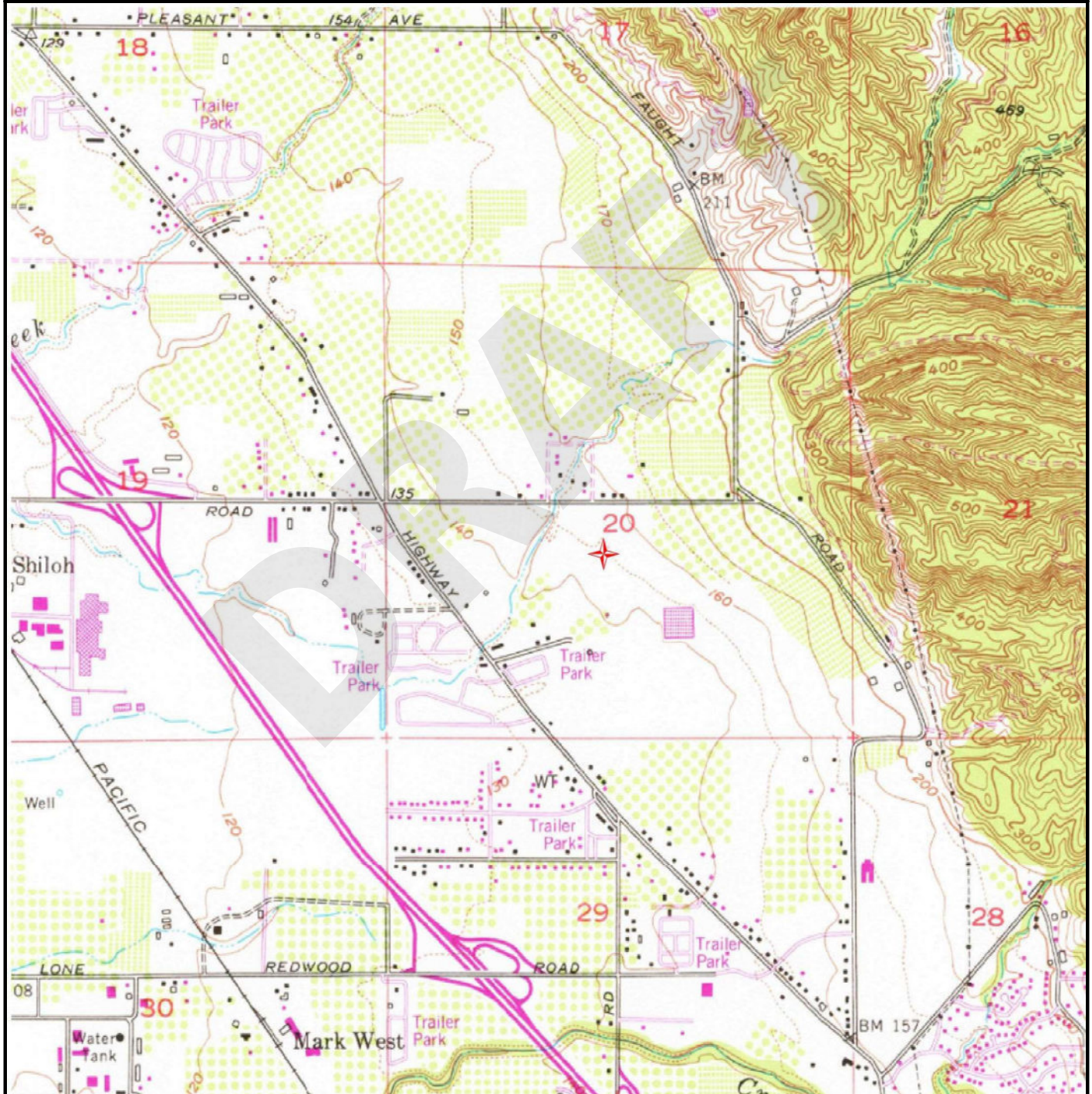
MAP NAME: Healdsburg

MAP YEAR: 1955

REVISION YEAR: 1980

SCALE: 1 : 24000

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
ORDER #: 56247  
REPORT DATE: 06/07/2021

SUBJECT QUAD:

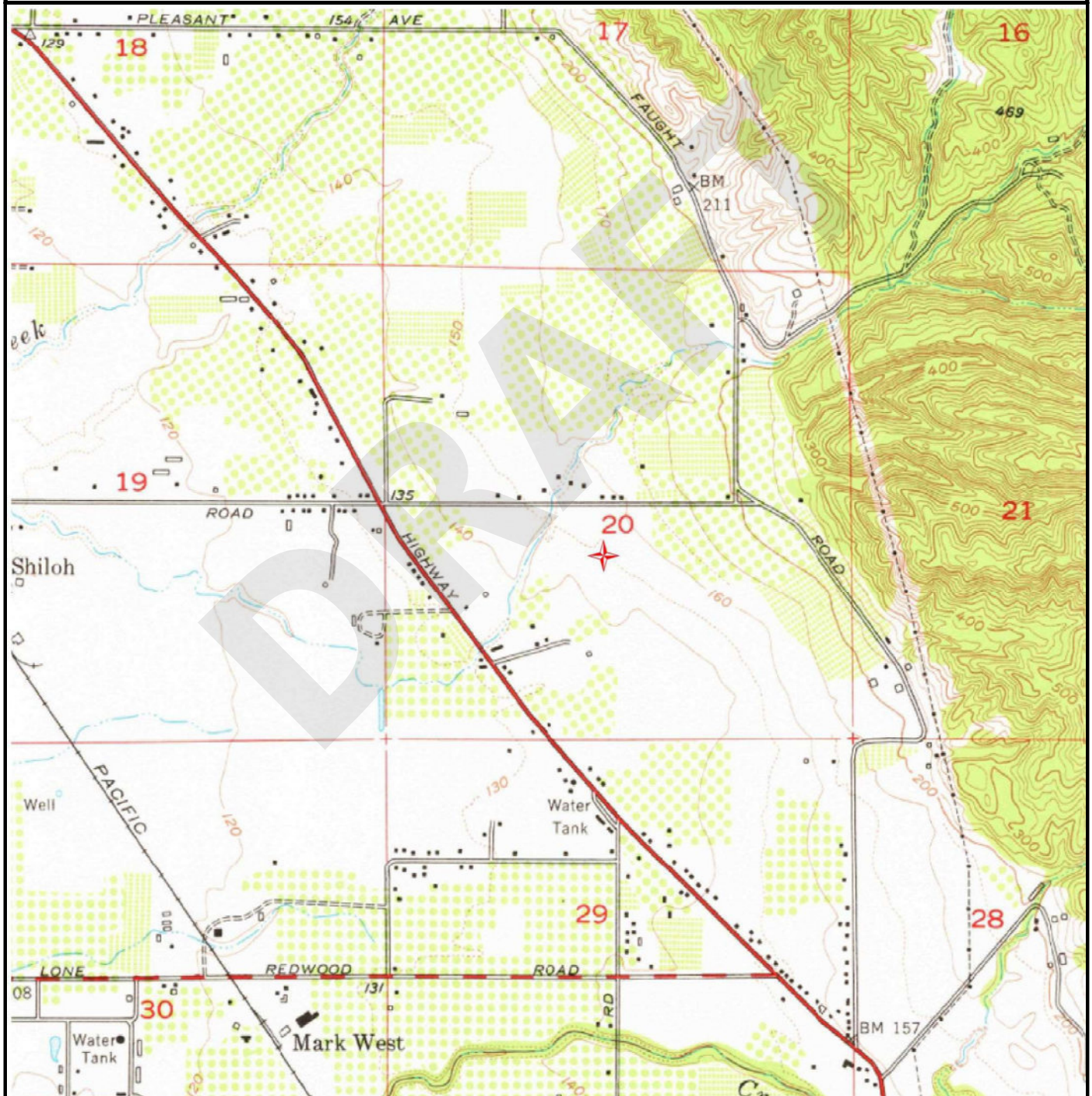
MAP NAME: Healdsburg

MAP YEAR: 1955

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
ORDER #: 56247  
REPORT DATE: 06/07/2021

## SUBJECT QUAD:

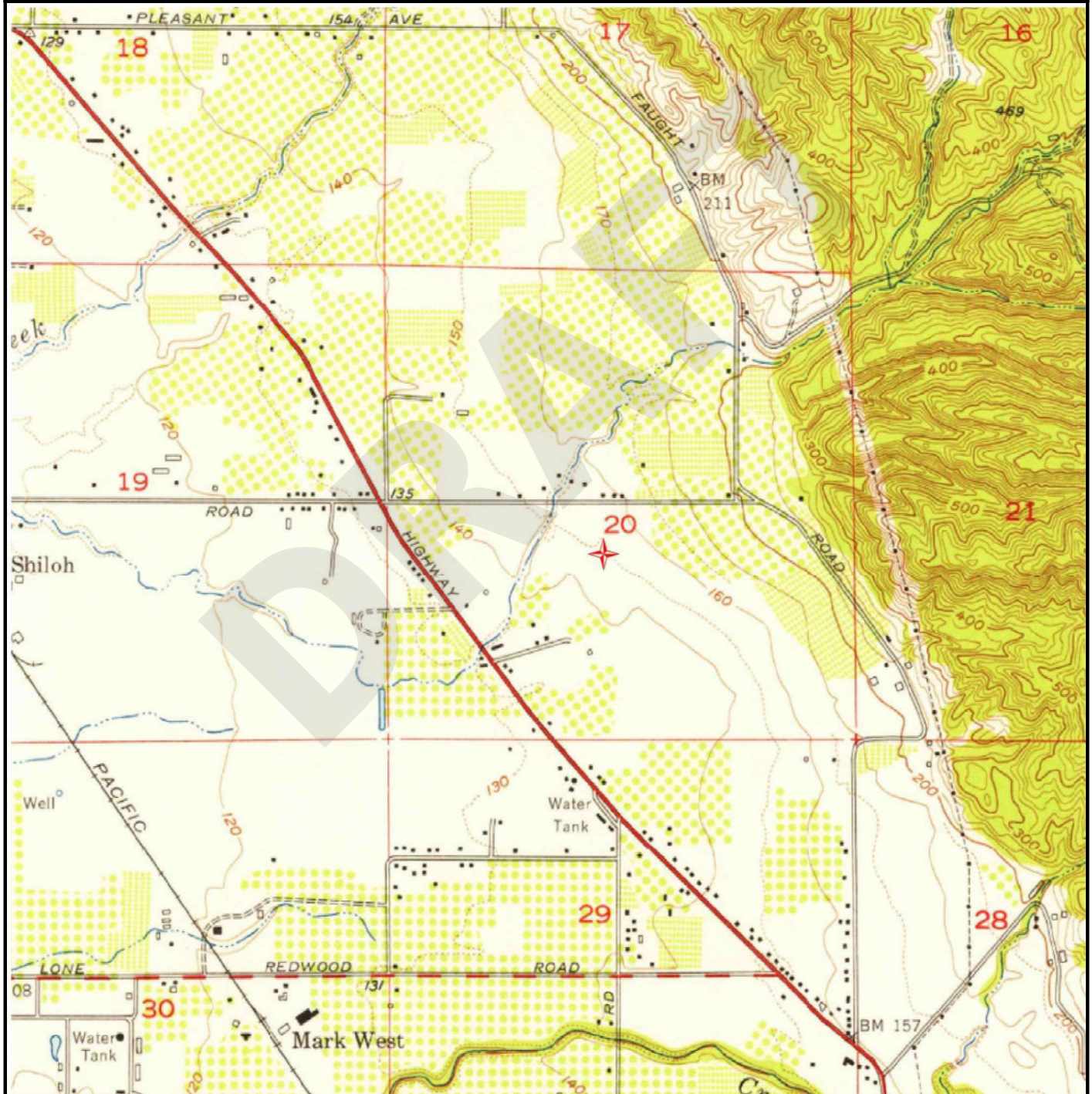
MAP NAME: Healdsburg

MAP YEAR: 1955

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
ORDER #: 56247  
REPORT DATE: 06/07/2021

SUBJECT QUAD:

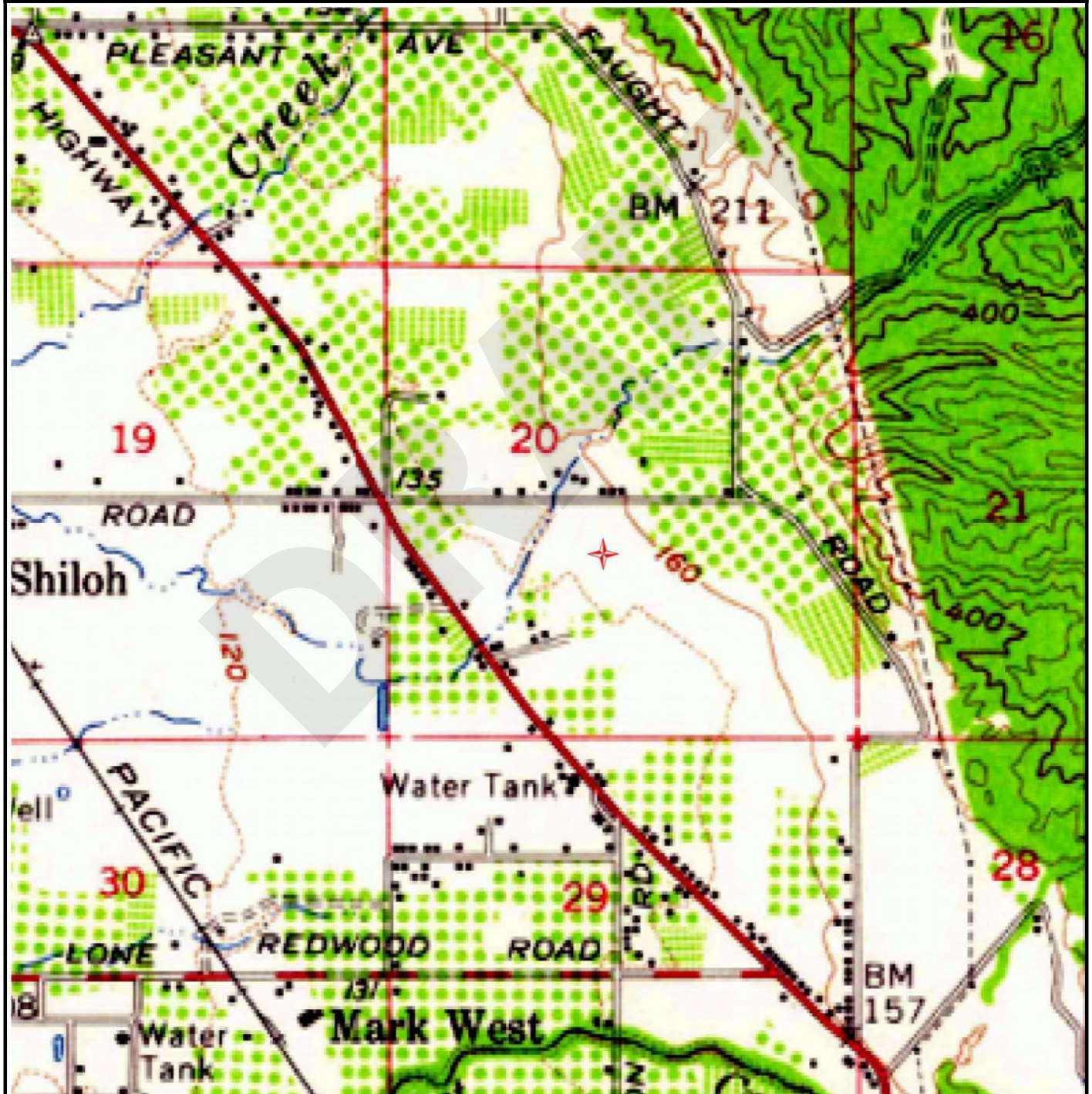
MAP NAME: Healdsburg

MAP YEAR: 1955

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
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SUBJECT QUAD:

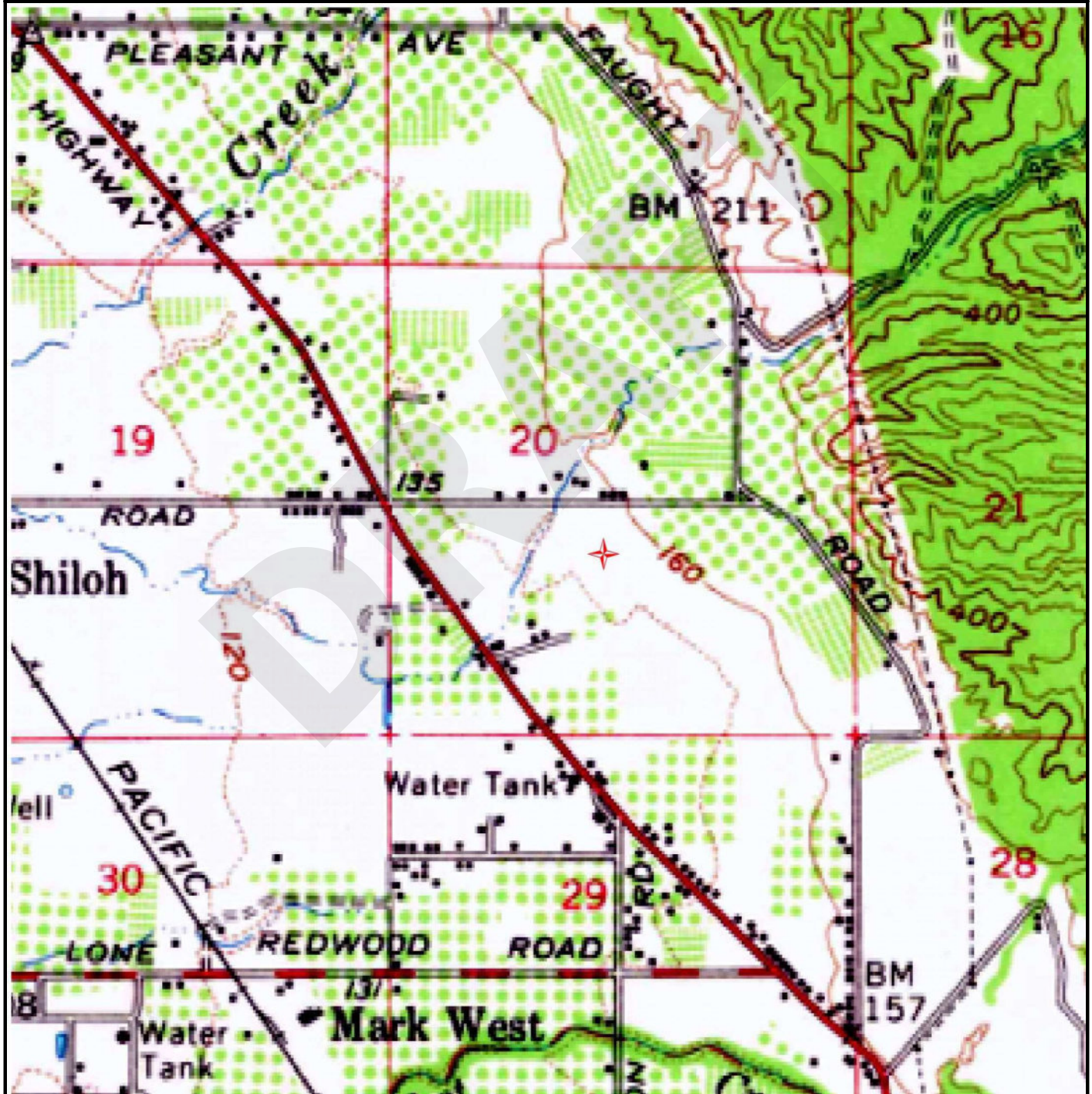
MAP NAME: Healdsburg

MAP YEAR: 1955

REVISION YEAR: N/R

SCALE: 1 : 62500

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
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PREPARED FOR: Environmental Science Associates  
ORDER #: 56247  
REPORT DATE: 06/07/2021

## SUBJECT QUAD:

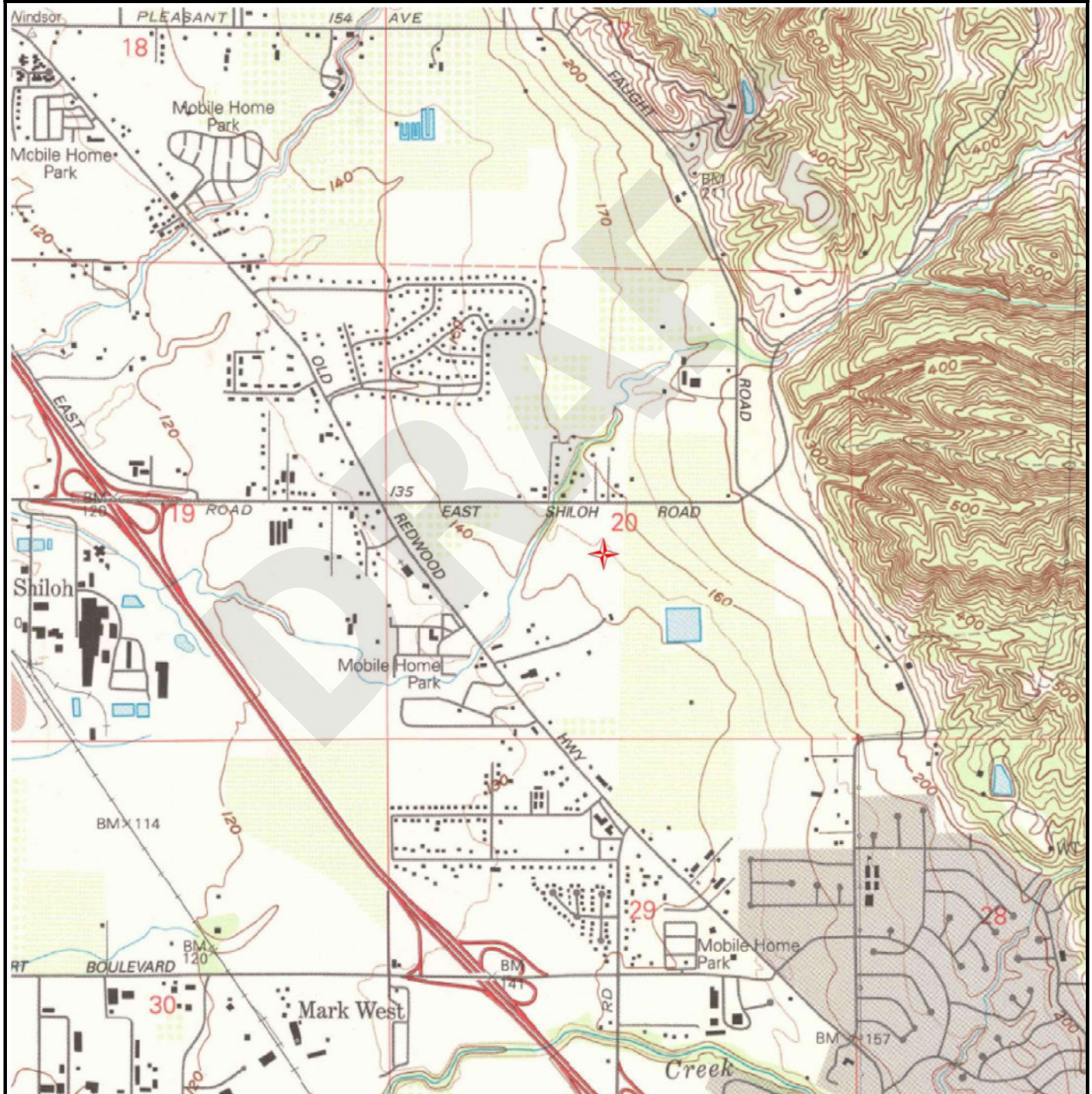
MAP NAME: Healdsburg

MAP YEAR: 1993

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
 ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
 LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
 ORDER #: 56247  
 REPORT DATE: 06/07/2021

SUBJECT QUAD:

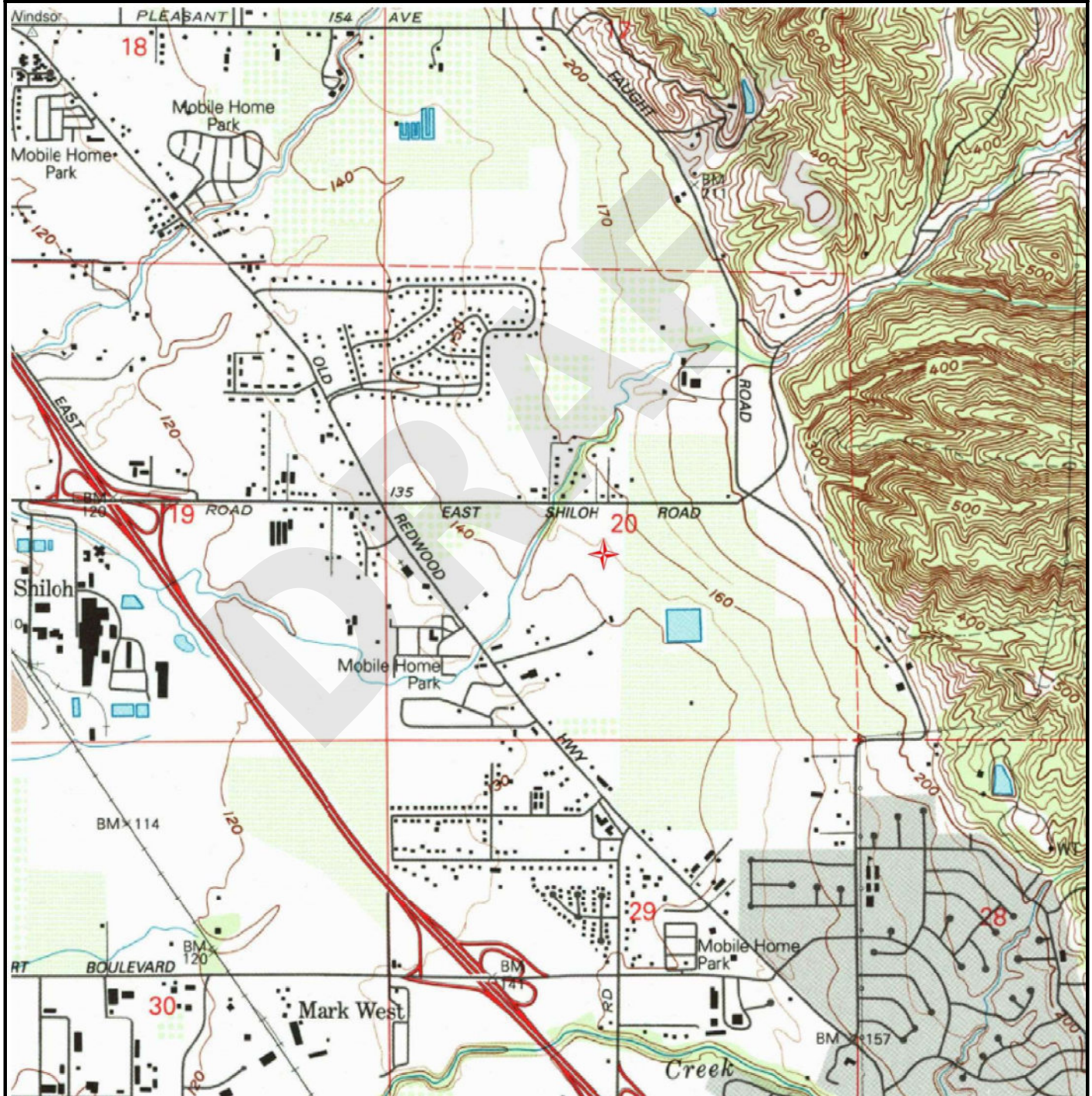
MAP NAME: Healdsburg

MAP YEAR: 1993

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
 ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
 LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
 ORDER #: 56247  
 REPORT DATE: 06/07/2021

## SUBJECT QUAD:

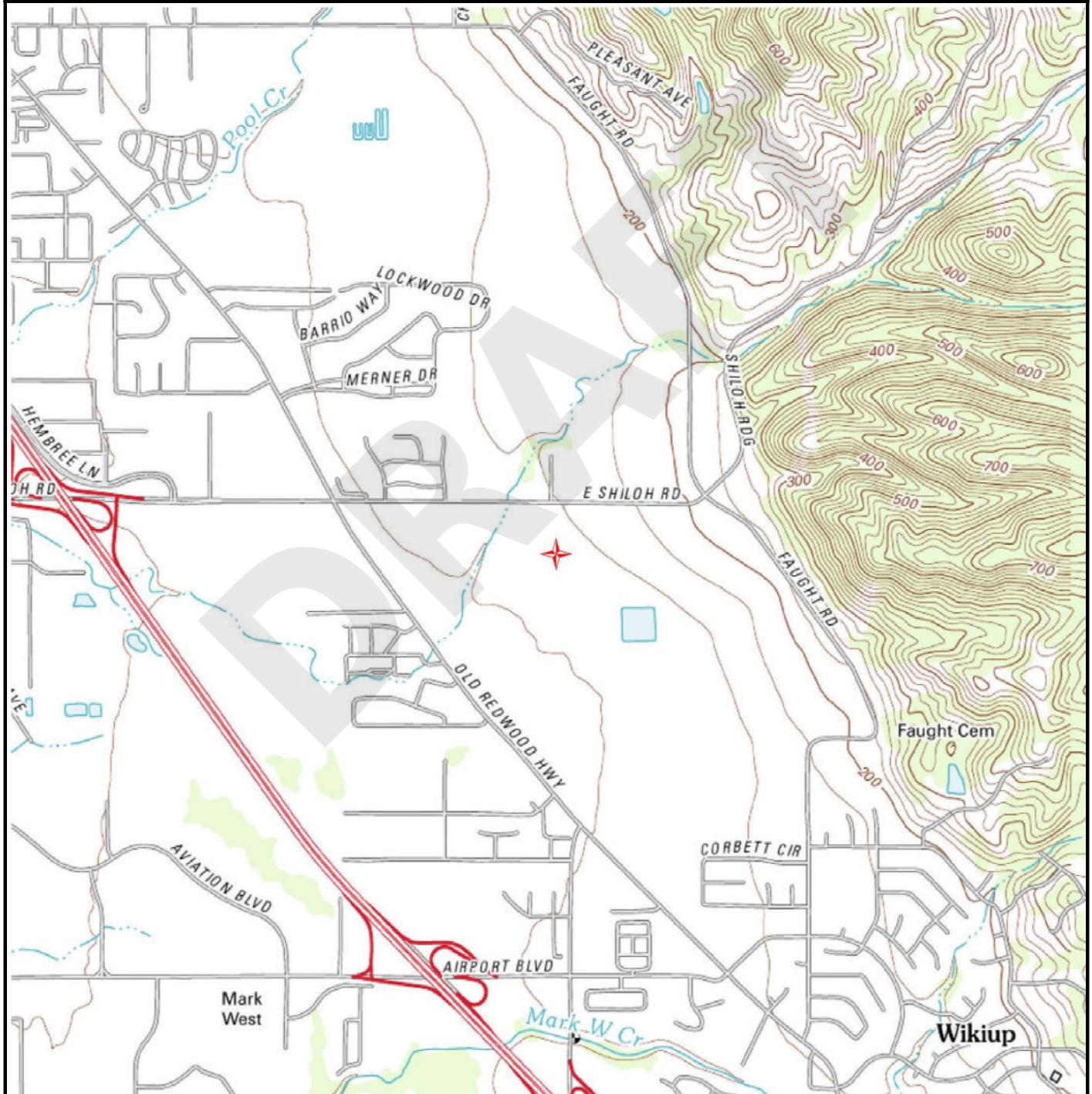
MAP NAME: Healdsburg

MAP YEAR: 2012

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1



SUBJECT NAME: 222 E. Shiloh Rd.  
ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
ORDER #: 56247  
REPORT DATE: 06/07/2021

## SUBJECT QUAD:

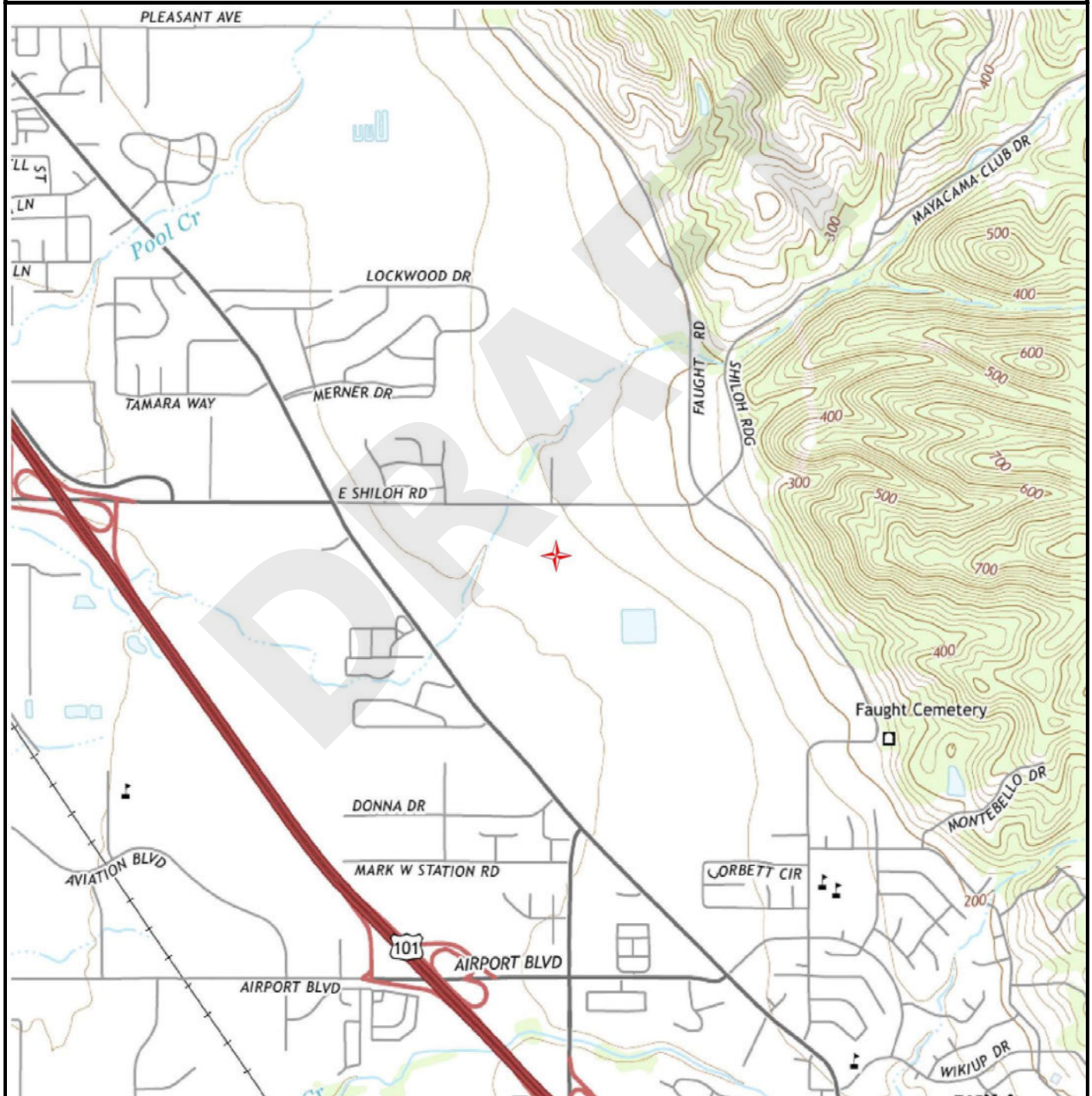
MAP NAME: Healdsburg

MAP YEAR: 2015

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1





SUBJECT NAME: 222 E. Shiloh Rd.  
 ADDRESS: 222 E Shiloh Rd, Santa Rosa, CA, 95403  
 LAT/LONG: 38.524086 / -122.770414

PREPARED FOR: Environmental Science Associates  
 ORDER #: 56247  
 REPORT DATE: 06/07/2021

SUBJECT QUAD:

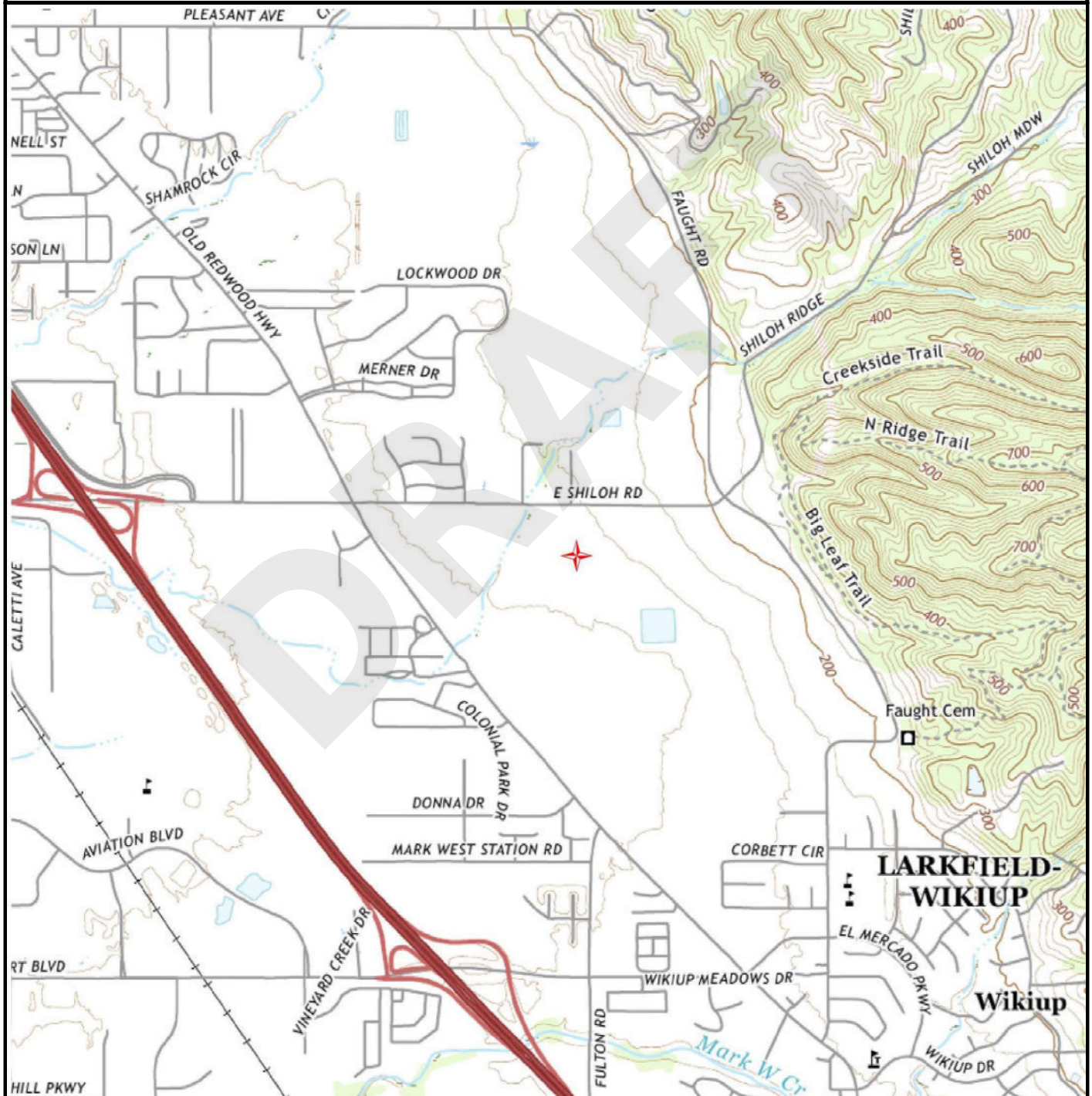
MAP NAME: Healdsburg

MAP YEAR: 2018

REVISION YEAR: N/R

SCALE: 1 : 24000

Part 1



# Research Summary for City Directory Abstract

**Site Location**

222 E. Shiloh Rd.  
222 E Shiloh Rd  
Santa Rosa, CA

**Conducted For**

Envirosite Corporation  
2 Corporate Drive, Suite 450  
Shelton, CT

**HIG Project #**

2051826

**Client Project #**

56247

**Date Created**

06/09/2021



Historical  
Information  
Gatherers

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HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

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The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.

600 XXXX = Correct address only. No other information.

X Streetname = intersecting cross street

**Publication year, publisher and title**

2019 Haines Marin-Sonoma Counties

2011 Haines Marin-Sonoma Counties

2006 Haines Marin-Sonoma Counties

2001 Haines Marin-Sonoma

1996 Haines Marin-Sonoma

1991 Haines Marin-Sonoma and North Bay

1986 Haines Marin-Sonoma and North Bay

1981 Haines Marin-Sonoma and North Bay

1976 Haines Marin-Sonoma and North Bay

1972 Haines Marin-Sonoma

**Abstract Section 1- This section includes the city directory data sorted by address.**

**169 East Shiloh Road**

1991	DUFFILED Duffy
------	----------------

**175 East Shiloh Road**

2019	NUNEZ Carrmen
2011	NUNEZ Carmen
2006	MOUG Carrie
2001	MOUG Carre
2001	MOUG Larry
1996	MOUG Carrie
1996	MOUG Larry
1991	MOUG Carrie
1991	MOUG Larry
1986	MOUG JOE
1986	MOUG LARRY D
1981	MOUG ANDY L
1981	MOUG LARRY D
1976	MOUG LARRY D

**189 East Shiloh Road**

2001	XXXX
1996	TUCK Vernon A
1991	TUCK Vernon A
1986	TUCK VERNON A
1981	TUCK VERNON A
1976	TUCK VERNON A
1972	TUCK VERNON A

**201 East Shiloh Road**

2019	XXXX
2011	THOME Steve W
2006	THOME Steve W
2001	KIRBY Katherine
2001	THOME Steve W
1996	XXXX
1991	XXXX
1986	XXXX
1981	XXXX

**203 East Shiloh Road**

2019	KIRBY Michael L
2011	KIRBY Kathy

**211 East Shiloh Road**

2001	XXXX
1996	XXXX
1991	XXXX
1986	XXXX

**217 East Shiloh Road**

2019	AIROLDI Jason
2019	JOHNSON William
2011	JOHNSON William
2006	LAGANIERE Linda
2001	LAGANIERE Linda

**222 East Shiloh Road**

2019	XXXX
2011	XXXX
2006	XXXX

**233 East Shiloh Road**

2019	SHRIVER Edw
2011	SHRIVER Edw
2006	SHRIVER Edw
2001	SHRIVER Edw
1996	SHRIVER Edw
1991	SHRIVER Edw
1986	SHRIVER EDW
1981	SHRIVER EDW
1976	SHRIVER EDW
1972	SHRIVER EDW

**245 East Shiloh Road**

2019	MCDONALD Scott
2011	WRIGHT Lawrence
2006	WRIGHT Melissa
2001	WRIGHT Lawrence
1996	XXXX
1991	XXXX

1986	XXXX
1981	XXXX
1976	BETTENCOURT CARL
1972	BETTENCOURT CARL

#### 257 East Shiloh Road

2001	FURTH Frederick
1996	XXXX
1991	CHALK HL WINERY

#### 283 East Shiloh Road

2001	XXXX
1996	REYES Pedro
1991	REYES Pedro

### **Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.**

#### 2019

175	NUNEZ Carrmen
201	XXXX
203	KIRBY Michael L
217	AIROLDI Jason
217	JOHNSON William
222	XXXX
233	SHRIVER Edw
245	MCDONALD Scott

#### 2011

175	NUNEZ Carmen
201	THOME Steve W
203	KIRBY Kathy
217	JOHNSON William
222	XXXX
233	SHRIVER Edw
245	WRIGHT Lawrence

#### 2006

175	MOUG Carrie
201	THOME Steve W
217	LAGANIERE Linda
222	XXXX

233	SHRIVER Edw
245	WRRIGHT Melissa

#### 2001

175	MOUG Carre
175	MOUG Larry
189	XXXX
201	KIRBY Katherine
201	THOME Steve W
211	XXXX
217	LAGANIERE Linda
233	SHRIVER Edw
245	WRIGHT Lawrence
257	FURTH Frederick
283	XXXX

#### 1996

175	MOUG Carrie
175	MOUG Larry
189	TUCK Vernon A
201	XXXX
211	XXXX
233	SHRIVER Edw
245	XXXX
257	XXXX
283	REYES Pedro

#### 1991

169	DUFFIED Duffy
175	MOUG Carrie
175	MOUG Larry
189	TUCK Vernon A
201	XXXX
211	XXXX
233	SHRIVER Edw
245	XXXX
257	CHALK HL WINERY
283	REYES Pedro

#### 1986



175	MOUG JOE
175	MOUG LARRY D
189	TUCK VERNON A
201	XXXX
211	XXXX
233	SHRIVER EDW
245	XXXX

#### 1981

175	MOUG ANDY L
175	MOUG LARRY D
189	TUCK VERNON A
201	XXXX
233	SHRIVER EDW
245	XXXX

#### 1976

175	MOUG LARRY D
189	TUCK VERNON A
233	SHRIVER EDW
245	BETTENCOURT CARL

#### 1972

189	TUCK VERNON A
233	SHRIVER EDW
245	BETTENCOURT CARL

# HIG Research Summary

**Site Location**

222 E. Shiloh Rd.  
222 E Shiloh Rd  
Santa Rosa, CA

**Requested by**

Envirosite Corporation  
2 Corporate Drive, Suite 450  
Shelton, CT

**HIG Project #**

2051826

**Client Project #**

56247

**Date Created**

06/09/2021



Historical  
Information  
Gatherers

This Research Summary identifies the products and services provided by Historical Information Gatherers, Inc. (HIG) for the above referenced site location. All products are provided as PDFs unless otherwise noted.

## City Directory Pages/Abstracts

**Research Methodology:** A search was conducted for city directories that include coverage of the site area using HIG's City Directory Collection and other sources, if needed. Directories for the following years were identified for the site area. A comma between date ranges indicates a gap of 10 years or more in available city directories:

*Santa Rosa: (1918-1935, 1957-1985, 1999)*

*Marin Sonoma: (1972-2019)*

The above listed directories were reviewed at approximate 5 year intervals to determine if the street(s) specified in the order were included in the directories and had listings for the site area. HIG attempted to identify former street names and aliases and if identified, these were also included in the review.

**Research Results:** City directory information, when provided, was used to create a multi-page file(s) named CD- followed by the street name. When City Directory Pages are provided, the publication name and date are shown at the top of each page. When a City Directory abstract is provided, the first page of the abstract includes the relevant publication information. The years of coverage identified for each street and any identified historical street names are as follows:

*E Shiloh Road: (1972-2019)*

## Disclaimer & Limitation of Liability

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# MARCH 2021 SELF-MONITORING FORM

## Non-Standard System – Site Inspection Report

Site Address : 222 E SHILOH RD, SANTA ROSA  
System Type: Mound

Variable Inspection: Type III  
Site ID #: OPR02-3615  
Gallons/Day: 480  
Gal/Dose: 100  
APN: 059-300-002

Owner: RANDALL & CYNTHIA CLIFTON

Please note changes of (or add if missing): Owner, Mailing Address, or Phone number adjacent to items printed below

RANDALL & CYNTHIA CLIFTON  
PO BOX 1772  
WINDSOR, CA 95492-1772

**Please provide Permit Sonoma with your email address and best phone number if not listed:**  
Email: ranchclifton@gmail.com  
Phone: 707-837-8854

**WATCH FOR EMAIL REGARDING ONLINE DATA ENTRY FOR 2021**

### Recommended Maintenance & Reminders:

1. Clean Sump filter annually.
2. Pump septic tank every 3-5 years depending on use.
3. Keep expansion areas unencumbered.
4. Switch diversion valve annually, or as specified on septic plans.
5. For those with pre-treatment units, please call us for a list of contractors who can service them.
6. Purge and balance system every 1 to 2 years by a C42 or Engineering Contractor familiar with these systems.

**Sketch a layout of your system on the back of this form (or attach a copy of the plan) & number (#) the wells.**  
A copy of your septic plans should be available from the consultant/designer or at the County. Bulletin **WLS-014** is available at [www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf](http://www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf) or call us for a mailed copy.

Please keep a copy of this site inspection to complete future forms.

### Performance Well Readings: **IMPORTANT-take readings in MONTH REQUESTED above**

Measure from TOP of Water 'upward' to TOP of Ground (if dry, put "DRY") Well #'s below should match your attached map/plan						Control/Alarm Box Information:	Yes/No N/A
Well #	Measurement	Well #	Measurement	Well #	Measurement	Does system have a pump?	YES
1	DRY inches	5	DRY inches	9	inches	Audible Alarm work?	YES
2	DRY inches	6	DRY inches	10	inches	Alarm Light work?	YES
3	DRY inches	7	DRY inches	11	inches	Is there a Dose Counter	YES
4	DRY inches	8	inches	12	inches	Dose Counter advance in manual mode?	YES

Provide the information below if you have a dose counter: for dual pumps, include dose readings for both - if you have flow meter(s), provide readout (in gallons); call us as needed for guidance on the flow calculations

Today's Dose Counter Reading	4611	Today's Date	3/5/21	Number of doses divided by number of days = $\frac{4611}{85} = 54.13$ doses/day. Multiply by $\frac{100}{480}$ gallons per dose* for your system = <u>55</u> gallons per day (average for this specific time period). System is designed for: <u>480</u> gallons per day.
Previous reading (from your form)	4526	Date of (your) previous reading	10/1/20	
Number of doses	85	Number of days	155	

\* Gallons per day and Gallons per Dose are located at the upper right corner of this form, or available from the septic plans.

**Note all maintenance/repairs performed on system since last monitoring (i.e. tank pumped, purge/adjusted?) and general condition of system. If you have a diversion valve, note which field it is serving this period.**

Inspection By: Randall Clifton

Date: 3/5/21

Any questions, call (707) 565-2849. **Please complete this form within the month of March 2021 and return to:**  
County of Sonoma Permit and Resource Management Department, 2550 Ventura Avenue, Santa Rosa, CA 95403





County of Sonoma  
Permit & Resource Management Department

Date: December 28, 2020

Randall & Cynthia Clifton  
PO Box 1772  
Windsor, CA 95492

**Re: Operational Permit Inspection**

**System Location:** 222 E Shiloh Rd

**OPR#:** 02-3615

**Date of Inspection:** October 7, 2020

**Inspector Name:** Thomas Haugg

**Contact Information:** 707-565-8351; [Thomas.Haugg@Sonoma-county.org](mailto:Thomas.Haugg@Sonoma-county.org)

Our office performed a routine site inspection of your nonstandard septic system as authorized by Chapter 24 of the Sonoma County Code. The purpose of this inspection is to ensure your system is operating properly for the protection of public health and groundwater resources. The inspection revealed the conditions detailed on the following page(s).

Please feel free to contact me for any questions you may have regarding this permit.

Sincerely,

Thomas Haugg  
Engineering Technician II  
Engineering & Water Resources Division, Permit Sonoma County  
2550 Ventura Avenue, Santa Rosa CA 95403

1. The system appeared to be operating in an acceptable manner.
2. Thank you for updating your contact information. Please contact me or this department with any changes so we can continue to contact you in the most efficient way possible. Your email is used solely for the purpose of contacting you for future inspections or other permit related items and is never given out.
3. Thank you for being consistent in monitoring your non-standard septic system.
4. When any routine maintenance (pumping tanks, purge & balance) and/or pump/float replacement is performed, please provide more specifics and/or receipt (name of contractor, date performed, type of work, etc.). This is important in maintaining a Reduced Annual Fee Permit (RAFP) and to qualify for a level 3 RAFP. See attached list of septic contractors.
5. Note the recommended maintenance and reminders listed at the top of your self-monitoring form.
6. The diligent operation and monitoring of your nonstandard system have allowed this office to grant you a level 3 Reduced Annual Fee Permit (RAFP). You will receive an annual billing for your RAFP under a level 3 RAFP, the County will conduct a routine inspection every three years. At the County's next routine inspection, it will be determined if you will stay at or be removed from the RAFP. Please remember that the RAFP is predicated on the continued maintenance of your system and submittal of all required self-monitoring reports in a timely manner.

For further information regarding the RAFP, please see form WLS-016 'Non-Standard Septic System Reduced Annual Operational Permit Fee' on our website at <http://www.sonoma-county.org/prmd/>.



# OCTOBER 2020 SELF-MONITORING FORM

## Non-Standard System – Site Inspection Report

Site Address : 222 E SHILOH RD, SANTA ROSA  
System Type: Mound

Variable Inspection: Type III  
Site ID #: OPR02-3615  
Gallons/Day: 480  
Gal/Dose: 100  
APN: 059-300-002

Owner: RANDALL & CYNTHIA CLIFTON

Please note changes of (or add if missing): Owner, Mailing Address, or Phone number adjacent to items printed below

RANDALL & CYNTHIA CLIFTON  
PO BOX 1772  
WINDSOR, CA 95492-1772

**Please provide Permit Sonoma with your email address and best phone number if not listed:**  
Email: RANCLCLIFTON@GMAIL.COM  
Phone: 707-838-0772

### Recommended Maintenance & Reminders:

1. Clean Sump filter annually.
2. Pump septic tank every 3-5 years depending on use.
3. Keep expansion areas unencumbered.
4. Switch diversion valve annually, or as specified on septic plans.
5. For those with pre-treatment units, please call us for a list of contractors who can service them.
6. Purge and balance system every 1 to 2 years by a C42 or Engineering Contractor familiar with these systems.

**Sketch a layout of your system on the back of this form (or attach a copy of the plan) & number (#) the wells.**  
A copy of your septic plans should be available from the consultant/designer or at the County. Bulletin WLS-014 is available at [www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf](http://www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf) or call us for a mailed copy.

Please keep a copy of this site inspection to complete future forms.

### Performance Well Readings: **IMPORTANT-take readings in MONTH REQUESTED above**

Measure from TOP of Water 'upward' to TOP of Ground (if dry, put "DRY") Well #'s below should match your attached map/plan						Control/Alarm Box Information:	Yes/No N/A
Well #	Measurement	Well #	Measurement	Well #	Measurement	Does system have a pump?	
1	DRY inches	5	DRY inches	9	inches	Audible Alarm work?	YES
2	DRY inches	6	DRY inches	10	inches	Alarm Light work?	YES
3	DRY inches	7	DRY inches	11	inches	Is there a Dose Counter	YES
4	DRY inches	8	inches	12	inches	Dose Counter advance in manual mode?	YES

Provide the information below if you have a dose counter: for dual pumps, include dose readings for both - if you have flow meter(s), provide readout (in gallons); call us as needed for guidance on the flow calculations

Today's Dose Counter Reading	4526	Today's Date	10/1/20	Number of doses divided by number of days = 0.59 doses/day. Multiply by 480 gallons per dose* for your system = 59 gallons per day (average for this specific time period). System is designed for: 480 gallons per day.
Previous reading (from your form)	4400	Date of (your) previous reading	3/3/20	
Number of doses	126	Number of days	22	

\* Gallons per day and Gallons per Dose are located at the upper right corner of this form, or available from the septic plans.

**Note all maintenance/repairs performed on system since last monitoring (i.e. tank pumped, purge/adjusted?) and general condition of system.** If you have a diversion valve, note which field it is serving this period.

3/17/20 TANK PUMPED, TANK CLEANED, FILTER CLEANED

3/30/20 SYSTEM PURGED AND BALANCED 3/30/20 FLOAT ALARM REPAIRED  
AND CRACKS IN TRANSMISSION LINE REPAIRED

Inspection By: Ran Clifton

Date: 10/1/20

Any questions, call (707) 565-2849. **Please complete this form within the month of October 2020 and return to:**  
County of Sonoma Permit and Resource Management Department, 2550 Ventura Avenue, Santa Rosa, CA 95403



# MARCH 2020 SELF-MONITORING FORM

## Non-Standard System – Site Inspection Report

Site Address : 222 SHILOH RD E, WINDSOR (COUNTY) Variable Inspection: Type III  
 System Type: MND Site ID #: OPR02-3615  
 Gallons/Day: 480  
 Gal/Dose: 100  
 APN: 059-300-002  
 Owner: CLIFTON CYNTHIA A TR

Please note changes of (or add if missing): Owner, Mailing Address, or Phone number adjacent to items printed below

Phone:

CLIFTON CYNTHIA A TR  
 PO BOX 1772  
 WINDSOR, CA 95492-1772

☐ Please check here and provide PRMD with your email address if you would like to receive communications electronically in the future.  
 Email:

### Recommended Maintenance & Reminders:

1. Clean Sump filter annually.
2. Pump septic tank every 3-5 years depending on use.
3. Keep expansion areas unencumbered.
4. Switch diversion valve annually, or as specified on septic plans.
5. For those with pre-treatment units, please call us for a list of contractors who can service them.
6. Purge and balance system every 1 to 2 years by a C42 or Engineering Contractor familiar with these systems.

Sketch a layout of your system on the back of this form (or attach a copy of the plan) & number (#) the wells.  
 A copy of your septic plans should be available from the consultant/designer or at the County. Bulletin WLS-014 is available at [www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf](http://www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf) or call us for a mailed copy.

Please keep a copy of this site inspection to complete future forms.

### Performance Well Readings: IMPORTANT-take readings in MONTH REQUESTED above

Measure from TOP of Water 'upward' to TOP of Ground (if dry, put "DRY") Well #'s below should match your attached map/plan						Control/Alarm Box Information:	Yes/No N/A
Well #	Measurement	Well #	Measurement	Well #	Measurement	Does system have a pump?	YES
1	DRY inches	5	DRY inches	9	inches	Audible Alarm work?	YES
2	DRY inches	6	DRY inches	10	inches	Alarm Light work?	YES
3	DRY inches	7	DRY inches	11	inches	Is there a Dose Counter	YES
4	DRY inches	8	inches	12	inches	Dose Counter advance in manual mode?	YES

Provide the information below if you have a dose counter: for dual pumps, include dose readings for both - if you have flow meter(s), provide readout (in gallons); call us as needed for guidance on the flow calculations

Today's Dose Counter Reading	4400	Today's Date	3/3/20	Number of doses divided by number of days = $0.74$ doses/day. Multiply by $100$ gallons per dose* for your system = $74$ gallons per day (average for this specific time period). System is designed for: $480$ gallons per day.
Previous reading (from your form)	4309	Date of (your) previous reading	10/1/19	
Number of doses	91	Number of days	123	

\* Gallons per day and Gallons per Dose are located at the upper right corner of this form, or available from the septic plans.

Note all maintenance/repairs performed on system since last monitoring (i.e. tank pumped, purge/adjusted?) and general condition of system. If you have a diversion valve, note which field it is serving this period.

Inspection By: Raquel Cruz

Date: 3/3/20

Any questions, call (707) 565-2849. Please complete this form within the month of March 2020 and return to:  
 County of Sonoma Permit and Resource Management Department, 2550 Ventura Avenue, Santa Rosa, CA 95403



# OCTOBER 2019 SELF-MONITORING FORM

## Non-Standard System – Site Inspection Report

Site Address : 222 SHILOH RD E, WINDSOR (COUNTY) Variable Inspection: Type III  
 System Type: MND

Site ID #: OPR02-3615  
 Gallons/Day: 480  
 Gal/Dose: 100  
 APN: 059-300-002

Owner: CLIFTON CYNTHIA A TR

Please note changes of (or add if missing): Owner, Mailing Address, or Phone number adjacent to items printed below

CLIFTON CYNTHIA A TR  
 PO BOX 1772  
 WINDSOR, CA 95492-1772

Phone:

☐ Please check here and provide PRMD with your email address if you would like to receive communications electronically in the future.  
 Email:

### Recommended Maintenance & Reminders:

1. Clean Sump filter annually.
2. Pump septic tank every 3-5 years depending on use.
3. Keep expansion areas unencumbered.
4. Switch diversion valve annually, or as specified on septic plans.
5. For those with pre-treatment units, please call us for a list of contractors who can service them.
6. Purge and balance system every 1 to 2 years by a C42 or Engineering Contractor familiar with these systems.

Sketch a layout of your system on the back of this form (or attach a copy of the plan) & number (#) the wells. A copy of your septic plans should be available from the consultant/designer or at the County. Bulletin WLS-014 is available at [www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf](http://www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf) or call us for a mailed copy.

Please keep a copy of this site inspection to complete future forms.

### Performance Well Readings: IMPORTANT-take readings in MONTH REQUESTED

Measure from TOP of Water 'upward' to TOP of Ground (if dry, put "DRY") Well #'s below should match your attached map/plan						Control/Alarm Box Information:	Yes/No N/A
Well #	Measurement	Well #	Measurement	Well #	Measurement	Does system have a pump?	
1	DRY inches	5	DRY inches	9	inches	Audible Alarm work?	YES
2	DRY inches	6	DRY inches	10	inches	Alarm Light work?	YES
3	DRY inches	7	DRY inches	11	inches	Is there a Dose Counter	YES
4	DRY inches	8	inches	12	inches	Dose Counter advance in manual mode?	YES

Provide the information below if you have a dose counter: for dual pumps, include dose readings for both - if you have flow meter(s), provide readout (in gallons); call us as needed for guidance on the flow calculations

Today's Dose Counter Reading	4309	Today's Date	10/1/19	Number of doses divided by number of days = $0.54$ doses/day. Multiply by $100$ gallons per dose* for your system = $54$ gallons per day (average for this specific time period). System is designed for: $480$ gallons per day.
Previous reading (from your form)	4200	Date of (your) previous reading	3/14/19	
Number of doses	109	Number of days	201	

\* Gallons per day and Gallons per Dose are located at the upper right corner of this form, or available from the septic plans.

**Note all maintenance/repairs performed on system since last monitoring (i.e. tank pumped, purge/adjusted?) and general condition of system. If you have a diversion valve, note which field it is serving this period.**

Inspection By: Randall Cuyler

Date: 10/1/19

Any questions, call (707) 565-2849. **Please complete this form within the month of October 2019 and return to:**  
 County of Sonoma Permit and Resource Management Department, 2550 Ventura Avenue, Santa Rosa, CA 95403



MARCH 2019 SELF-MONITORING FORM  
Non-Standard System – Site Inspection Report

Site Address : 222 SHILOH RD E, WINDSOR (COUNTY) Variable Inspection: Type III  
System Type: MND

Owner: CLIFTON CYNTHIA A TR

Site ID #: OPR02-3615  
Gallons/Day: 480  
Gal/Dose: 100  
APN: 059-300-002

Please note changes of (or add if missing): Owner, Mailing Address, or Phone number adjacent to items printed below

Phone:

CLIFTON CYNTHIA A TR  
PO BOX 1772  
WINDSOR, CA 95492-1772

☐ Please check here and provide PRMD with your email address if you would like to receive communications electronically in the future.  
Email:

**Recommended Maintenance & Reminders:**

1. Clean Sump filter annually.
2. Pump septic tank every 3-5 years depending on use.
3. Keep expansion areas unencumbered.
4. Switch diversion valve annually, or as specified on septic plans.
5. For those with pre-treatment units, please call us for a list of contractors who can service them.
6. Purge and balance system every 1 to 2 years by a C42 or Engineering Contractor familiar with these systems.

Sketch a layout of your system on the back of this form (or attach a copy of the plan) & number (#) the wells.  
A copy of your septic plans should be available from the consultant/designer or at the County. Bulletin WLS-014 is available at [www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf](http://www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf) or call us for a mailed copy.

Please keep a copy of this site inspection to complete future forms.

**Performance Well Readings: IMPORTANT-take readings in MONTH REQUESTED**

Measure from TOP of Water 'upward' to TOP of Ground (if dry, put "DRY") Well #'s below should match your attached map/plan						Control/Alarm Box Information:	Yes/No N/A
Well #	Measurement	Well #	Measurement	Well #	Measurement	Does system have a pump?	YES
1	DRY inches	5	DRY inches	9	inches	Audible Alarm work?	YES
2	DRY inches	6	DRY inches	10	inches	Alarm Light work?	YES
3	DRY inches	7	DRY inches	11	inches	Is there a Dose Counter	YES
4	DRY inches	8	inches	12	inches	Dose Counter advance in manual mode?	YES

Provide the information below if you have a dose counter: for dual pumps, include dose readings for both - if you have flow meter(s), provide readout (in gallons); call us as needed for guidance on the flow calculations

Today's Dose Counter Reading	4200	Today's Date	3/14/19	Number of doses divided by number of days = 0.81 doses/day. Multiply by 100 gallons per dose* for your system = 80.7 gallons per day (average for this specific time period). System is designed for: 480 gallons per day.
Previous reading (from your form)	4062	Date of (your) previous reading	2/24/18	
Number of doses	138	Number of days	171	

\* Gallons per day and Gallons per Dose are located at the upper right corner of this form, or available from the septic plans.

Note all maintenance/repairs performed on system since last monitoring (i.e. tank pumped, purge/adjusted?) and general condition of system. If you have a diversion valve, note which field it is serving this period.

Inspection By:

Randall Cuyler

Date: 3/14/19

Any questions, call (707) 565-2849. Please complete this form within the month of March 2019 and return to:  
County of Sonoma Permit and Resource Management Department, 2550 Ventura Avenue, Santa Rosa, CA 95403



OCTOBER 2018 SELF-MONITORING FORM  
Non-Standard System – Site Inspection Report

Site Address : 222 SHILOH RD E, WINDSOR (COUNTY) Variable Inspection: Type III  
System Type: MND

Owner: CLIFTON CYNTHIA A TR

Site ID #: OPR02-3615  
Gallons/Day: 480  
Gal/Dose: 100  
APN: 059-300-002

Please note changes of (or add if missing): Owner, Mailing Address, or Phone number adjacent to items printed below

CLIFTON CYNTHIA A TR  
PO BOX 1772  
WINDSOR, CA 95492-1772

Phone:

☐ Please check here and provide PRMD with your email address if you would like to receive communications electronically in the future.  
Email:

**Recommended Maintenance & Reminders:**

1. Clean Sump filter annually.
2. Pump septic tank every 3-5 years depending on use.
3. Keep expansion areas unencumbered.
4. Switch diversion valve annually, or as specified on septic plans.
5. For those with pre-treatment units, please call us for a list of contractors who can service them.
6. Purge and balance system every 1 to 2 years by a C42 or Engineering Contractor familiar with these systems.

**Sketch a layout of your system on the back of this form (or attach a copy of the plan) & number (#) the wells.**  
A copy of your septic plans should be available from the consultant/designer or at the County. Bulletin WLS-014 is available at [www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf](http://www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf) or call us for a mailed copy.

Please keep a copy of this site inspection to complete future forms.

**Performance Well Readings: IMPORTANT-take readings in MONTH REQUESTED**

Measure from TOP of Water 'upward' to TOP of Ground (if dry, put "DRY") Well #'s below should match your attached map/plan						Control/Alarm Box Information:	Yes/No N/A
Well #	Measurement	Well #	Measurement	Well #	Measurement	Does system have a pump?	
1	DRY inches	5	DRY inches	9	inches	Audible Alarm work?	YES
2	DRY inches	6	DRY inches	10	inches	Alarm Light work?	YES
3	DRY inches	7	DRY inches	11	inches	Is there a Dose Counter	YES
4	DRY inches	8	inches	12	inches	Dose Counter advance in manual mode?	YES

Provide the information below if you have a dose counter: for dual pumps, include dose readings for both - if you have flow meter(s), provide readout (in gallons); call us as needed for guidance on the flow calculations

Today's Dose Counter Reading	4062	Today's Date	9/24/18	Number of doses divided by number of days = $0.62$ doses/day. Multiply by 100 gallons per dose* for your system = 62 gallons per day (average for this specific time period). System is designed for: 480 gallons per day.
Previous reading (from your form)	3936	Date of (your) previous reading	3/4/18	
Number of doses	126	Number of days	204	

\* Gallons per day and Gallons per Dose are located at the upper right corner of this form, or available from the septic plans.

**Note all maintenance/repairs performed on system since last monitoring (i.e. tank pumped, purge/adjusted?) and general condition of system. If you have a diversion valve, note which field it is serving this period.**

Inspection By: Raquel Cruz

Date: 9/24/18

Any questions, call (707) 565-2308. **Please complete this form within the month of October and return to:**  
County of Sonoma Permit and Resource Management Department, 2550 Ventura Avenue, Santa Rosa, CA 95403



**MARCH 2018 SELF-MONITORING FORM**  
Non-Standard System – Site Inspection Report

Site Address : 222 SHILOH RD E, WINDSOR (COUNTY) Variable Inspection: Type III  
System Type: MND

Owner: CLIFTON CYNTHIA A TR

Site ID #: OPR02-3615

Gallons/Day: 480

Gal/Dose: 100

APN: 059-300-002

Please note changes of (or add if missing): Owner, Mailing Address, or Phone number adjacent to items printed below

CLIFTON CYNTHIA A TR  
PO BOX 1772  
WINDSOR, CA 95492-1772

Phone:

☐ Please check here and provide PRMD with your email address if you would like to receive communications electronically in the future.  
Email:

**Recommended Maintenance & Reminders:**

1. Clean Sump filter annually.
2. Pump septic tank every 3-5 years depending on use.
3. Keep expansion areas unencumbered.
4. Switch diversion valve annually, or as specified on septic plans.
5. For those with pre-treatment units, please call us for a list of contractors who can service them.
6. Purge and balance system every 1 to 2 years by a C42 or Engineering Contractor familiar with these systems.

**Sketch a layout of your system on the back of this form (or attach a copy of the plan) & number (#) the wells.**  
A copy of your septic plans should be available from the consultant/designer or at the County. Bulletin WLS-014 is available at [www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf](http://www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf) or call us for a mailed copy.

Please keep a copy of this site inspection to complete future forms.

**Performance Well Readings: IMPORTANT-take readings in MONTH REQUESTED**

Measure from TOP of Water 'upward' to TOP of Ground (if dry, put "DRY") Well #'s below should match your attached map/plan						Control/Alarm Box Information:	Yes/No N/A
Well #	Measurement	Well #	Measurement	Well #	Measurement	Does system have a pump?	
1	DRY inches	5	DRY inches	9	inches	Audible Alarm work?	YES
2	DRY inches	6	DRY inches	10	inches	Alarm Light work?	YES
3	DRY inches	7	DRY inches	11	inches	Is there a Dose Counter	YES
4	DRY inches	8	inches	12	inches	Dose Counter advance in manual mode?	YES

Provide the information below if you have a dose counter: for dual pumps, include dose readings for both - if you have flow meter(s), provide readout (in gallons); call us as needed for guidance on the flow calculations

Today's Dose Counter Reading	3936	Today's Date	3/4/18	Number of doses divided by number of days = $\frac{0.75}{120}$ doses/day. Multiply by $\frac{100}{0.75}$ gallons per dose* for your system = $\frac{100}{0.75}$ gallons per day (average for this specific time period). System is designed for: <u>400</u> gallons per day.
Previous reading (from your form)	3846	Date of (your) previous reading	10/5/17	
Number of doses	90	Number of days	120	

\* Gallons per day and Gallons per Dose are located at the upper right corner of this form, or available from the septic plans.

**Note all maintenance/repairs performed on system since last monitoring (i.e. tank pumped, purge/adjusted?) and general condition of system. If you have a diversion valve, note which field it is serving this period.**

Inspection By: Randall Cuyh

Date: 3/4/18

Any questions, call (707) 565-2308. **Please complete this form within the month of March and return to:**  
County of Sonoma Permit and Resource Management Department, 2550 Ventura Avenue, Santa Rosa, CA 95403



**OCTOBER 2017 SELF-MONITORING FORM**  
Non-Standard System – Site Inspection Report

Site Address : 222 SHILOH RD E WINDSOR (COUNTY) Variable Inspection: Type III  
System Type: MND Site ID #: OPR02-3615  
Owner: CLIFTON CYNTHIA A TR Gallons/Day: 480  
Gal/Dose: 100  
APN: 059-300-002

Please note changes of (or add if missing): Owner, Mailing Address, or Phone number adjacent to items printed below

CLIFTON CYNTHIA A TR  
PO BOX 1772  
WINDSOR, CA 95492-1772

Phone:

☐ Please check here and provide PRMD with your email address if you would like to receive communications electronically in the future.  
Email:

**Recommended Maintenance & Reminders:**

1. Clean Sump filter annually.
2. Pump septic tank every 3-5 years depending on use.
3. Keep expansion areas unencumbered.
4. Switch diversion valve annually, or as specified on septic plans.
5. For those with pre-treatment units, please call us for a list of contractors who can service them.
6. Purge and balance system every 1 to 2 years by a C42 or Engineering Contractor familiar with these systems.

**Sketch a layout of your system on the back of this form (or attach a copy of the plan) & number (#) the wells.**  
A copy of your septic plans should be available from the consultant/designer or at the County. Bulletin WLS-014 is available at [www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf](http://www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf) or call us for a mailed copy.

Please keep a copy of this site inspection to complete future forms.

**Performance Well Readings: IMPORTANT-take readings in MONTH REQUESTED**

Measure from TOP of Water 'upward' to TOP of Ground (if dry, put "DRY") Well #'s below should match your attached map/plan						Control/Alarm Box Information:	Yes/No N/A
Well #	Measurement	Well #	Measurement	Well #	Measurement	Does system have a pump?	
1	DRY inches	5	DRY inches	9	inches	Audible Alarm work?	YES
2	DRY inches	6	DRY inches	10	inches	Alarm Light work?	YES
3	DRY inches	7	DRY inches	11	inches	Is there a Dose Counter	YES
4	DRY inches	8	inches	12	inches	Dose Counter advance in manual mode?	YES

Provide the information below if you have a dose counter: for dual pumps, include dose readings for both - if you have flow meter(s), provide readout (in gallons); call us as needed for guidance on the flow calculations

Today's Dose Counter Reading	3846	Today's Date	10/5/17	Number of doses divided by number of days = $0.63$ doses/day. Multiply by $160$ gallons per dose* for your system = $63$ gallons per day (average for this specific time period). System is designed for: $400$ gallons per day.
Previous reading (from your form)	3723	Date of (your) previous reading	3/23/17	
Number of doses	123	Number of days	196	

\* Gallons per day and Gallons per Dose are located at the upper right corner of this form, or available from the septic plans.

**Note all maintenance/repairs performed on system since last monitoring (i.e. tank pumped, purge/adjusted?) and general condition of system. If you have a diversion valve, note which field it is serving this period.**

Inspection By: Ran Dall Cuy

Date: 10/5/17

Any questions, call (707) 565-2308. **Please complete this form within the month of October and return to:**  
County of Sonoma Permit and Resource Management Department, 2550 Ventura Avenue, Santa Rosa, CA 95403



# MARCH 2017 SELF-MONITORING FORM

## Non-Standard System – Site Inspection Report

Site Address : 222 SHILOH RD E WINDSOR (COUNTY) Variable Inspection: 3  
 System Type: MND

Site ID #: OPR02-3615  
 Gallons/Day: 480  
 Gal/Dose: 100  
 APN: 059-300-002

Owner: CLIFTON CYNTHIA A TR

Please note changes of (or add if missing): Owner, Mailing Address, or Phone number adjacent to items printed below

CLIFTON CYNTHIA A TR  
 PO BOX 1772  
 WINDSOR, CA 95492-1772

Phone:

☐ Please check here and provide PRMD with your email address if you would like to receive communications electronically in the future.  
 Email:

### Recommended Maintenance & Reminders:

1. Clean Sump filter annually.
2. Pump septic tank every 3-5 years depending on use.
3. Keep expansion areas unencumbered.
4. Switch diversion valve annually, or as specified on septic plans.
5. For those with pre-treatment units, please call us for a list of contractors who can service them.
6. Purge and balance system every 1 to 2 years by a C42 or Engineering Contractor familiar with these systems.

**Sketch a layout of your system on the back of this form (or attach a copy of the plan) & number (#) the wells.**  
 A copy of your septic plans should be available from the consultant/designer or at the County. Bulletin WLS-014 is available at [www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf](http://www.sonoma-county.org/prmd/docs/handouts/wls-014.pdf) or call us for a mailed copy.

Please keep a copy of this site inspection to complete future forms.

### Performance Well Readings: IMPORTANT-take readings in MONTH REQUESTED

Measure from TOP of Water 'upward' to TOP of Ground (if dry, put "DRY") Well #'s below should match your attached map/plan						Control/Alarm Box Information:	Yes/No N/A
Well #	Measurement	Well #	Measurement	Well #	Measurement	Does system have a pump?	
1	DRY inches	5	DRY inches	9	inches	Audible Alarm work?	YES
2	DRY inches	6	DRY inches	10	inches	Alarm Light work?	YES
3	DRY inches	7	DRY inches	11	inches	Is there a Dose Counter	YES
4	DRY inches	8	inches	12	inches	Dose Counter advance in manual mode?	YES

Provide the information below if you have a dose counter: for dual pumps, include dose readings for both - if you have flow meter(s), provide readout (in gallons); call us as needed for guidance on the flow calculations

Today's Dose Counter Reading	3723	Today's Date	3/23/17	Number of doses divided by number of days = 1.11 doses/day. Multiply by 100 gallons per dose* for your system = 111.1 gallons per day (average for this specific time period). System is designed for: 400 gallons per day.
Previous reading (from your form)	3518	Date of (your) previous reading	9/20/16	
Number of doses	205	Number of days	184	

\* Gallons per day and Gallons per Dose are located at the upper right corner of this form, or available from the septic plans.

**Note all maintenance/repairs performed on system since last monitoring (i.e. tank pumped, purge/adjusted?) and general condition of system. If you have a diversion valve, note which field it is serving this period.**

3/20/17 BDK PUMPED TANKS, ON 4/10/17 BDK WILL PURGE + BALANCE LINES. THE BOXES HAVE BEEN CLEANED OF DIRT FROM GOPHERS.

Inspection By: Radell Cuy

Date: 3/23/17

Any questions, call (707) 565-2308. **Please complete this form within the month of March and return to:**  
 County of Sonoma Permit and Resource Management Department, 2550 Ventura Avenue, Santa Rosa, CA 95403



**MIKE TREINEN, REHS**  
**ONSITE WASTEWATER CONSULTANT**  
**4910 HAYFIELD CT.**  
**SANTA ROSA CA 95404-9550**  
**707-526-0872**

March 18, 2020

Randall & Cindy Clifton, Owners  
Jeff Bounsall, Compass

Subject: Evaluation of the onsite nonstandard wastewater dispersal system at **222 Shiloh Rd. East, Windsor** on March 17, 2020

**Permit History**

Sonoma County Permit and Resource Management Department (PRMD) Well and Septic Division records for the above address were requested and reviewed. A four bedroom septic system permit was issued in 2002. This permit indicates the installation of a 1500 gallon primary septic tank; 800 gallon sump tank, pump and control panel; and a surface-type nonstandard Mound system. You have the permit and a full set of the original system plans for the buyer.

**Septic Tanks**

- 
1. ~~A 1500 gallon concrete, two-compartment primary septic tank and 800 gallon one-~~ compartment sump tank and pump are located south of the home. All three access openings are accessible by risers and lids that are visible at surface grade. The tanks were pumped by Vineyard Septic Service (477-0556). Solids were moderate. The tanks, risers and lids, inlet baffle and primary tank outlet compartment effluent filter were in good condition.

**Pump and Control Panel**

2. The control panel was opened and checked. The pump and high water alarm switches in the panels were tested and are working. The pump float in the sump tank is operational. The alarm float in the sump tank is not triggering the alarm. The dose counter inside the panel was tested and is functional. For historical purposes, the dose counter reads 4412 and each dose is noted as 100 gallons. The transmission line from the pump has 2-3 leaks between the pump and its exit point in the riser wall.

**Dispersal System**

3. The dispersal unit is a surface type Mound system which appears to be functioning properly. There are two rectangular balancing valve boxes in the top *center* of the Mound and two rectangular purge (flush) valve boxes at each top *end* of the Mound. There are 7 round monitoring wells (MW's) in irrigation boxes. I located all 7 wells. All were dry. All of the valve boxes and MW's were easy to find as most had wooden stakes and surrounding grasses had been treated with Round-up

**Replacement Area**

4. There are designated replacement Mounds as shown on the plan. These future Mounds are partially located in the vineyard but with proper Mound maintenance and the potential for Mound repair vs. replacement, will likely not be used.



### System Evaluation

5. The system is working at this time and it appears to be functionally sized and should have substantial remaining lifespan with proper routine maintenance as noted below.

### Recommendations / Suggestions

- A. Repair or replace high water alarm float.
- B. Repair or replace the leaking pump transmission line from the pump to the point where the line exits the riser.
- C. I suggest marking most or all of the MW's and valve boxes with more permanent 4 foot high green steel "T" posts. This will continue to make them easy to locate and help avoid potential mower scalping of the box lids.
- D. As routine maintenance, the Mound system should be professionally *purged (flushed) and balanced* by a service provider *now* (owner notes it was done 3 years ago) and then approximately every couple of years. This helps keep the pressure lines cleared and the dispersal evenly distributed over the entire area of the system. At this time, the service provider can also routinely check the pumps and control panel. A list of service providers will be provided.
- E. Both tanks should be pumped regularly about every 4-6 years *as a starting point* or at least *checked* by a qualified pumper. This time interval is related to the number of people using the home on a full time basis and may be increased or decreased if use is heavier or lighter than would be expected. Hose off the effluent filter every 1-2 years. Sewage flow can be substantially reduced, and system lifespan extended, through the use of low flow toilets, showerheads and dishwashers, as well as faucet aerators and a front loading or high efficiency top loading laundry machine. Note septic tank additives are generally not needed for proper septic system function.
- ~~F. It is also important that food-related grease and oils be placed in cans or jars and disposed of in the home's solid waste container and *not* drained into the septic tank as it can lead to premature clogging of the leach field lines.~~
- G. Note that a *laundry-only* subsurface graywater system may be installed without permits; however, there are specific standards which I could discuss with you if desired.

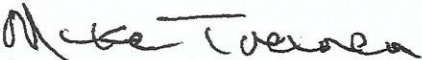
### Comments

As will be seen in the Title documents, the County of Sonoma has a legal easement to monitor the Mound system's operation. Owners pay an annual fee for an Operational Permit, and are asked to monitor the system twice a year. You can learn this from a service provider or have a service provider do it for you. Forms will eventually be sent to you (or the service provider) by the County for this purpose. After the close of escrow, I suggest the buyer or their agent contact the clerk for the Nonstandard Systems Program at 565-2658, to discuss setting up the change of owner for the Operational Permit. After two years of conscientious self-monitoring, a properly operating system may be eligible for a 1/3 to 2/3 reduction in the annual fee!

No warranty or guaranty is given or implied regarding the future function of the sewage system.

Should you have *any* questions, now or later, please contact me at 707-526-0872

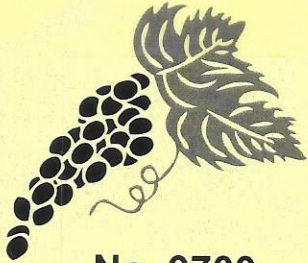
Respectfully,



Mike Treinen,  
California Registered Environmental Health Specialist # 3826







## VINEYARD SEPTIC SERVICE

Septic Tank Pumping • 24 Hour Service

7600 Beth Court

Rohnert Park, CA 94928

(707) 795-5780 (707) 477-0556

Fax: (707) 795-1883

No. 9700

Date: 3-17-20

Name CINDY A. CLIFTON

Address 222 EAST SHILOH RD

City SANTA ROSA CA

Phone 707-837-2998

Cash	C.O.D.	Charge	On account
DESCRIPTION			AMOUNT
<input checked="" type="checkbox"/>		Pump Septic Tank	PUMP 1500 GALLONS
<input type="checkbox"/>		Labor	SEPTIC AND CLEANED
<input type="checkbox"/>		Tank Locator	FILTER
<input type="checkbox"/>		Pump Grease	
<input type="checkbox"/>		Additional Charges	PUMP SOLIDS FROM
<input type="checkbox"/>		Material	SUMP PUMP BASIN
		TOTAL	\$695.00

Paid on account

☒ Check #

1128

☐ Cash

**NOTICE:** Under the Mechanics' Lien Law (California Code of Civil Procedure) any contractor, subcontractor, laborer, supplier, or other person who helps to improve your property but is not paid for his work or supplies has a right to enforce a claim against your property. This means that after a court hearing, your property could be sold by a court officer and the proceeds of sale used to satisfy your indebtedness. This can happen even if you have paid your own contractor in full, if the subcontractor, laborer, or supplier remains unpaid.

This company will not be held responsible for damage or breakage on property.  
The owner assumes all responsibility.

Signature

Sonoma Landworks

15950 River Rd  
Guerneville, CA 95446  
Lic. No. 522707

3/30/20  
\$535.00

# Invoice

Date	Invoice#
3/30/2020	2759

Bill To
Randy Clifton East Shiloh Rd

		P.O. No.	Terms
			Due on receipt
Quantity	Description	Rate	Amount
	T&M 1628 dated 3/30/2020: Alarm float repair, purged system	535.00	535.00
Please remit payment to above address. Thank you for your business.		<b>Subtotal</b>	\$535.00
		<b>Sales Tax (8.25%)</b>	\$0.00
		<b>Total</b>	\$535.00
		<b>Payments/Credits</b>	\$0.00
		<b>Balance Due</b>	\$535.00

4/2/20  
#1144  
\$535.00





sonoma  
landworks

TIME & MATERIALS  
INVOICE

1628

Contractor's Lic 522707  
15950 River Road  
Guerneville, CA 95446  
707.869.4500  
www.sonomalandworks.com

CUSTOMER INFORMATION

NAME: Randy Clifton # 1001  
ADDRESS:   
PHONE:   
EMAIL:   
DATE: 3-30

PAYMENT DUE IN FULL  
UPON RECEIPT

SERVICES RENDERED: **4 HOUR MINIMUM**

☐ TRUCKING ☐ TRACTOR ☐ LABOR ☐ RENTAL ☐ OTHER

Start Time 10:20 Break / End Time 1:40

DESCRIPTION OF SERVICES: Replaced Alarm float  
checked for leak in 2" pressure main.  
No leak found. Purged Mound.

Total Hours: 4  
Hourly Rate: X 115.00  
Total: \$460.00

☐ TRUCKING ☐ TRACTOR ☐ LABOR ☐ RENTAL ☐ OTHER

Start Time Break / End Time

DESCRIPTION OF SERVICES:

Total Hours: X  
Hourly Rate: X  
Total: \$

☐ TRUCKING ☐ TRACTOR ☐ LABOR ☐ RENTAL ☐ OTHER

Start Time Break / End Time

DESCRIPTION OF SERVICES:

Total Hours: X  
Hourly Rate: X  
Total: \$

☐ TRUCKING ☐ TRACTOR ☐ LABOR ☐ RENTAL ☐ OTHER

Start Time Break / End Time

DESCRIPTION OF SERVICES:

Total Hours: X  
Hourly Rate: X  
Total: \$

MATERIALS DESCRIPTION

MATERIAL INVOICE / RECEIPT #

INVOICE / RECEIPT TOTAL

<u>Alarm float</u>	<u>Supplies / N/A</u>	<u>\$75.00</u>

Laborer/operator X Pit R.

TOTAL FOR MATERIALS \$ 75.00

TOTAL FOR SERVICES RENDERED \$ 460.00

Property Owner Acceptance of  
TERMS on reverse of Invoice

X

Date

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Appendix N  
Wildfire Evacuation Memorandum

Appendix N-1  
Fire and Emergency Response  
Memorandum



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December 2, 2022

Bibiana Sparks-Alvarez  
Project Manager  
Acorn Environmental  
5170 Golden Foothill Parkway  
El Dorado Hills, CA 95762

Re: Shiloh Resort and Casino Project

**Fire and Emergency Response Comments for the Shiloh Resort and Casino Project**

The primary purpose of the fire code and other fire safety regulations and recommendations is to provide for the safety of life and property from the threats of fire. This document was prepared to summarize the fire risks, code requirements, and recommendations to reduce the threat of fire and loss of life and property.

**Experience**

My recommendations contained in this document are based on over 45 years of experience in fire safety and emergency management.

A significant part of my duties included the development of fire codes and ordinances for several government agencies. In Sonoma County alone I was involved with several fire code adoptions that also included vegetation management guidelines and requirements of the Public Resources Code for all unincorporated Sonoma County.

Another part of my experience was conducting numerous plan reviews and site inspections for residential and commercial development insuring compliance with local, state, and federal regulations. This included an emphasis on wildland fire code compliance. Another responsibility was the investigation of all fires including structure, vehicle, and wildland incidents.

My emergency response history spans five decades. That history includes responding to hundreds of incidents involving structure fires and wildland emergencies. I have responded to major wildland urban interface incidents throughout Sonoma County and California as an engine Captain, Strike Team Leader responsible for multiple engines and crews, and incident command staff.

### **Summary of Fire Risk and Recent Fire History**

Having reviewed the available information for the Shiloh Resort and Casino Project, I offer the following comments:

Shiloh Resort and Casino Project is a proposed new development with access off Shiloh Road and Old Redwood Highway in unincorporated Sonoma County California. It lies within a moderate and high fire zone of the State Responsibility Area (SRA). It should be noted that Cal Fire's SRA Zones are under review and reported to be updated. The maps are now out for an internal Cal Fire review and should be available to the public sometime in calendar year 2023.

The proposed project site is located on approximately 68 acres and currently has an active vineyard operation, with fruit trees, a single-family dwelling, and miscellaneous outbuildings for the vineyard operation.

The proposed project has a total of 807,000 square feet of occupied space and a parking garage of 1.2 million square feet. The total allowable occupant load for the casino space is approximately 20,814. The total building code allowable occupant load for the casino and hotel space is approximately 20,814. The available parking spaces allow for 5,110 vehicles and nine bus parking spots. The parking spaces at 1.7 people per vehicle would indicate 8,687 customers and staff. The nine bus parking spots with 56 passenger buses would be approximately 504 customers and staff. These numbers do not account for bus and vehicle services that would bring customers to the facility.

Pruitt Creek runs through the middle of the property and the balance of the property is a vineyard. There is a very limited amount of flammable vegetation on the property due to the planted rows of grape vines.

Sonoma County has had its share of wildfire events. Several years of wildfire history reveals that numerous fires have occurred in or around the vicinity where the Tubbs Fire and Kincade Fire have burned. It is well documented that the Hanley Fire in 1964 burned an area like the Tubbs Fire, with final perimeter lines from both fires mirroring one another in some areas.

Similar circumstances have occurred with many fires, including the Atlas Peak fire in 1981, and the Atlas Fire in 2017, which burned simultaneously with the Tubbs Fire.

The development site is in an area that has seen recent significant fire activity, including the Tubbs Fire in October of 2017 and the Kincade Fire in October of 2019. The Tubbs and Kincade fires burned up near the northeast side of the property near the intersection of E. Shiloh Road and Faught Road. The fire stopped short of reaching the project property.

A few factors could have been in play to prevent the fire from reaching the project property. One could have been the active efforts of fire suppression forces in the area and using the roads as a fire break for their suppression actions. Another reason could have been the roads and vineyards served as a “fire break” with their natural limited flammable vegetation features.

The development of the casino and resort will only add to the fire resistive features of the area. The northeast area of the project is proposed to be a noncombustible parking structure, a hard surface parking area and the remaining area will continue to be a vineyard. There will be a 3.5-acre treatment area that will meet all local codes and standards for vegetation management. Pruitt Creek will be protected with vegetation management that is allowed within a riparian area. The actual potential flammable vegetation will be greatly reduced in this area.

The balance of the property will be the casino floor, event center, hotel, swimming pool, and covered parking drop off. This area will be bordered by the existing vineyards on the south, north, and west providing an additional flammable vegetation break.

### **Tubbs Fire**

By the time the Tubbs Fire had been extinguished, near the end of October 2017, it had become the third deadliest wildfire in California history (at that time – it is currently the fourth deadliest wildfire on record), killing 22 people. It also became the most destructive wildfire in California history (at the time-it is now the second most destructive wildfire on record). The Tubbs Fire burned 36,807 acres and 5,636 structures.

### **Kincade Fire**

The Kincade Fire also started on October 23 of 2019 at 9:24 pm at the Geysers north of the project site. This fire burned 77,758 acres. It destroyed 374 structures and damaged 60 others.

As stated previously, according to available fire mapping data neither fire reached the project site. Both fires did come down to Faught Road just east of the project site. The Tubbs Fire did cross over Faught Road north Shiloh Road and the project site.

### **2019 Kincade Fire Maps**

<https://storymaps.arcgis.com/stories/3ea9e0ceb81042618f0de719b299d32d>

<https://sonomalandtrust.maps.arcgis.com/apps/TimeAware/index.html?appid=a5a8825d160440887a181bdd7009730>

### **2017 Tubbs Fire Maps**

<https://storymaps.arcgis.com/stories/3ea9e0ceb81042618f0de719b299d32d>



## **Project Evacuation**

The hot summer and early fall weather in Sonoma County can be accompanied by strong winds coming from the north and northwest. These temperatures and winds fuel very destructive fires. The fast moving, early morning, wind driven Tubbs Fire in 2017 created a “no-warning” event in Sonoma County where many residents had little or no warning to evacuate.

Since the Tubbs Fire of 2017 the early warning and notification tools that provide information to the public in Sonoma County have vastly improved. This process included ways to increase, expand and improve on all public education messaging related to fires and disasters in the county. Some of public education steps include:

1. **Red Flag Warnings**. A Red Flag Warning is the highest level of alert for critical weather related to wildfires. The county and most cities post information on fire weather and Red Flag Warnings on their web sites. Most fire stations in the county display messages or actual red flags during red flag days.  
[https://www.weather.gov/media/lmk/pdf/what\\_is\\_a\\_red\\_flag\\_warning.pdf](https://www.weather.gov/media/lmk/pdf/what_is_a_red_flag_warning.pdf)
2. **Fire Cameras**. There are dozens of fire cameras now installed in the north bay that includes Sonoma County. The purpose of these cameras is to quickly discover, locate, and confirm a fires ignition. They assist first responders in providing response resources. This enhanced situational awareness will also assist with evacuations. These cameras are also available to be viewed by the public.  
<https://www.alertwildfire.org>
3. **Alerts**. Sonoma County as significantly increased their public education efforts for emergency alerts for the residents and visitors of the county. Examples of those alerts are: SoCoAlert, Nixle, NOAA weather radio. These alerts work with mobile and home phones. The NOAA weather radio works independent of telephones and provides weather and emergency alerts  
<https://socoemergency.org/get-ready/sign-up/>
4. **Evacuation Zone Maps**. The Sonoma County Sheriff’s Office and the Emergency Management Department have developed zones within the unincorporated area of Sonoma County to help manage any emergency evacuation. The unincorporated county is broken down into many zones. When disaster strikes and evacuations are needed county officials will use these zone maps. The specific areas needed to be evacuated will be provided information through the emergency alerts and local media outlets. This project is in Sonoma County Zone #SON-3C1.  
<https://socoemergency.org/get-ready/evacuation-map/>

The project developers are committed to provide a comprehensive evacuation plan for all occupants of the development. The components of the plan will allow for early evacuation of all occupants to lesson any impacts on neighboring properties. The guests, employees, and staff will



be made aware of the above early warning tools, specifically the emergency alerts. The plan will be further developed once the land is taken into trust and specific building plans and drawings are available. The plan will be completed prior to occupancy as required by the California Fire Code.

(See recommendation #10 on evacuations below)

### **California Building and Fire Code Requirements**

With the increase in severity and intensity of wildfire activity across California over the past several years, fire researchers and data collection have revealed a great deal of information that was previously unknown. It is now widely known that embers, or fire brands, are the direct or indirect cause of many structure ignitions during a wildfire event. These embers are unburned pieces of vegetation or structural elements that are blown far in advance of the main fire front itself, igniting receptive fuel beds of dry vegetation, or structures themselves. We also know that historically, a future catastrophic event like the Tubbs Fire is somewhat predictable as to the direction it will travel. These types of “Foehn” wind events, known as Santa Ana Winds in Southern California, or Diablo Winds in Northern California, have always been pushed by high wind events that are moving from North to South, Northeast to Southwest, East to West, or some combination of these directional winds. Knowing this information allows us to address potential vulnerabilities on certain aspects of a structure, knowing some facades will face a higher impact of embers and other factors as the fire burns through. While there are no guarantees, it is possible to address these impacts by utilizing appropriate building materials, assembly details, and long-term maintenance to maximize the resistance of a structure from a potential ember ignition.

Wildfire resiliency and life safety issues are a high priority for the developers of this project. There are several wildfire codes and standards that will be applied to the construction of this development. They will include building materials themselves, but will also include landscaping, defensible space efforts, evacuation planning.

The entire project and in particular the exterior materials selected for this project will meet or exceed minimum standards required by California Building Code Chapter 7A, widely referred to as the “WUI Code,” or Wildland Urban Interface Code. These requirements were first established in 2008 and continue to be updated and improved on with every adoption of the code by the State. All buildings will be required to have interior fire sprinklers. Fire sprinklers will contain any interior fire to the area of origin and reduce the risk of the fire spreading to other structures.

The exterior landscaping will be required to have a plan to be ignition resistant and have a maintenance component. A great deal of information is currently available regarding landscaping, and how decisions about plant selection and location can have direct impacts on how wildfires affect structures. This information has now been scientifically validated via research, in conjunction with observations from numerous wildfires over the past several years.

Another step toward ember resistance is now being widely accepted and has been recently adopted by the California State Board of Forestry. Flying embers are a significant cause of structure

fires during a wildfire incident. Research shows that a non-combustible zone measuring 0 – 5 feet surrounding a structure can significantly reduce the likelihood of ember ignitions. There should be no vegetation or landscaping in the non-combustible zone, greatly reducing the ability for embers to ignite a structure significantly increasing wildfire resiliency. The structural hardening and vegetation management efforts will help prevent the ignition of fires from flying embers inside and outside of the structures.

### **Riparian Corridor Fire Safety**

As previously mentioned, Pruitt Creek runs through the project site. It starts in unincorporated Sonoma County northeast of the site and travels southwest into the town limits of Windsor. The creek is considered a riparian corridor. The Town of Windsor and the County of Sonoma have both developed wildfire fuel management plans for riparian corridors. The applicant will review these plans and other recommendations, regulations, and guidelines from state and federal agencies. The applicant will provide wildland fuels management and reduction as required in the riparian areas of the project.

The fuel reduction efforts will include annual and seasonal reduction of grass, shrubs, dead and dying plants and other overgrown vegetation. The efforts to reduce ground fuels will aid in preventing ground fires from spreading to other larger shrubs or trees. The separation of trees will reduce the tree to tree spread of fires in the riparian area. This work will aid in preventing fires from spreading to other areas of the project site.

### **Fire and Life Safety Recommendations for the Project**

Wildland fires tend to be driven by slope, terrain, topography and fuel type and concentration. Weather, specifically winds, temperature, fuel moisture and humidity also play a significant factor in fire spread and intensity.

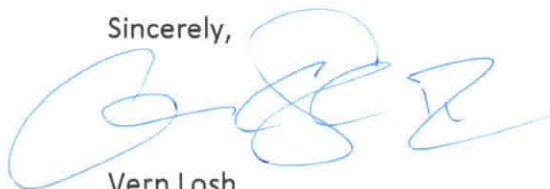
This project site is relatively flat with very little change in slope or topography. Other than the area of Pruitt Creek the entire site is essentially free of any dense brush, hardwoods, or timber fuels that could intensify a wildland fire. As stated earlier, any remaining vegetation will fall under the vegetation management requirements of the California Fire Code. A well-executed vegetation management plan greatly reduces the impact of a potential wildfire. A vegetation management plan will be developed as required by the fire code.

This report identifies areas of vulnerability from a wildfire to this project. While the project proposal meets the minimum wildfire resistant requirements, there are several recommendations that can be taken to further bolster the resiliency and life safety of this project from a wildfire event and other fires within the project's property and structures.

## Recommendations

1. Ensure all construction materials meet the minimum or exceed the code requirements from Chapter 7A of the California Building Code, current edition.
2. The contractor must pay close attention to the installation of these materials, with special care taken to eliminate any openings at joints or other locations where embers could intrude and potentially ignite flammable material.
3. A long-term maintenance plan should be created with annual maintenance to ensure fire resistive materials and construction details are maintained at their highest level to reduce ember impacts. This maintenance plan should remain in place for the life of the structure.
4. Develop an overall landscape management and maintenance plan. This vegetation management plan (VMP) should comply with requirements of the local and state fire agencies.
5. Maintain a landscape plan immediately around the structure to reduce the number of flammable materials within the 0 – 5-foot zone immediately surrounding the base of the structure. If any plants are placed in this zone, the plants should be highly fire resilient, and carefully located to avoid being placed in front of any door or window openings around the perimeter of the structure.
6. Create a detailed defensible space plan for the site, with special attention to the downhill slope at the rear of the structure. Grass should be kept mowed, ladder fuels on trees should be removed, and any shrubs should be spaced with appropriate distances to break the fuel continuity of the vegetation.
7. Develop a riparian corridor vegetation management plan. Use the plans developed by the Town of Windsor and Sonoma County as a guide for the plan. Sonoma County, Permit Sonoma 8-2-3 Guidelines for Fire Fuel Management in Riparian Corridors (July 2020), <https://permitsonoma.org/policiesandprocedures/8-2-3guidelinesforfirefuelmanagementinripariancorridors>  
Town of Windsor Riparian Corridor Wildlife Fuel Management Plan (June 2020), <https://www.townofwindsor.com/DocumentCenter/View/24987/Riparian-Corridor-Wildfire-Fuel-Management-Plan---Final>
8. A robust construction fire safety plan should be developed for use during construction.
9. Provide all staff and employees on-going fire safety and prevention training as stated in the California Fire Code.
10. A comprehensive evacuation plan is critical for the life safety of customers and the staff of this project. The project was provided evacuation planning recommendations by CAS Safety Consulting. I support the recommendations in their document.

Sincerely,



Vern Losh  
Vern Losh & Associates

Appendix N-2  
Evacuation Travel Time Assessment

# Memorandum

Date: January 31, 2024  
To: Jennifer Wade and Bibiana Sparks, Acorn Environmental  
From: Ian Barnes, PE, and Grace Chen, Fehr & Peers  
Subject: **Koi Nation Shiloh Resort & Casino Evacuation Travel Time Assessment**

WC23-4046

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This technical memorandum documents the results of the evacuation travel time assessment for the proposed Shiloh Resort & Casino project in the unincorporated Larkfield-Wikiup area of Sonoma County, California. The project is located at a 68.6-acre site at 222 East Shiloh Road, and the proposed development includes a casino, hotel, ballroom/meeting space, event center, spa, and associated parking and infrastructure. While the project has multiple alternatives, this evacuation assessment is focused on the full buildout alternative (Alternative A, hereinafter referred to as the "Project").

The primary purpose of this evaluation is to document the effect of the proposed Project on evacuation times for the area surrounding the project (including the Town of Windsor) and other adjacent areas along the US 101 corridor during potential wildfire events, as required by the National Environmental Policy Act (NEPA), the Council on Environmental Quality Guidelines for Implementing NEPA, and the BIA NEPA guidebook. As this is a new area of study under NEPA, few studies of this type have been completed for NEPA purposes, and as wildfire behavior is unpredictable, this analysis is not an exhaustive review of all potential wildfire and evacuation scenarios in the study area. Rather, the analysis was based on early evacuation recommendations and scenarios developed through conversations with the project team's local experts in wildfire behavior and evacuation events<sup>1</sup> that represent scenarios that are based on actual wildfire and evacuation history in the study area and provide a good faith effort at the disclosure of the Project's impacts on study area evacuation times for NEPA purposes.

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<sup>1</sup> These experts include: Vern Losh at Losh & Associates (former head of the Sonoma County Department of Emergency Services); Robert Giordano (former Sonoma County Sheriff) and Clint Shubel (former Sonoma County Assistant Sheriff) at CAS Safety Consulting, LLC., who served as the Sonoma County Sheriff's Incident Commander during the 2017 Sonoma County Complex Wildfire Disaster.



## Project Elements and Project Evacuation Demand

The Project is expected to have about 5,110 passenger vehicle parking spaces, including a parking garage of 3,692 parking spaces, surface parking of 618 spaces, and an entry area parking of 800 spaces. It will also have nine spaces for bus parking. To be conservative, this study assumes maximum capacity of the passenger parking, and further increased demand loading by five percent (5%) to reach the conservative estimate of 5,367 vehicles that would need to evacuate from the Project site.

## Study Background, Study Area, and Study Scenarios

### Background

Sonoma County has undergone multiple wildfire evacuation events since 2017, including the 2017 Tubbs Fire in Santa Rosa and 2019 Kincade Fire near Geyserville. In the case of the Tubbs Fire, evacuations occurred with little warning as the Tubbs Fire was driven by high winds. In the case of the Kincade Fire, evacuations in other communities like Windsor and Santa Rosa occurred with some warning time as the Kincade Fire had started near Geyserville a few days prior and eventually spread through Sonoma County. These fire events show that some events result in evacuations with “no notice” and some events result in evacuations “with notice.”

### Study Area

During an evacuation event, key bottlenecks<sup>2</sup> in the circulation system can develop due to a combination of through-traffic demand and demand from evacuating vehicles. Based on the large geographic range of the bottlenecks, the experts on the project team recommended a study area for the Shiloh Resort analysis generally bound by the following:

- US 101/Healdsburg Avenue-Old Redwood Highway interchange in the north
- US 101 at the northern Santa Rosa city limit in the south
- The Russian River and Laguna de Santa Rosa in the west
- The intersection of Mark West Springs Road/Porter Creek Road/Leslie Road in the east

This study area includes the Town of Windsor. It does not include land uses within the City of Santa Rosa, other land uses that would primarily evacuate south along Calistoga Road or Wallace Road into the City of Santa Rosa, or other land uses taking access along Porter Creek Road or along Chalk Hill Road north of Jacobson Road; these areas in and around Santa Rosa would use roadways and/or the City of Santa Rosa street grid system where Shiloh Resort evacuation

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<sup>2</sup> Traffic engineers use the term “bottlenecks” to describe potential congestion points. Others use the term “choke points”. These two terms are synonymous.





demand is anticipated to have little effect on evacuation times (due to the spread of vehicle demand along numerous roadways).

Based on the wildfire history in the Project area, the locations of key bottlenecks, and the need to understand the benefits of early evacuation of the Project site (should conditions provide an opportunity for early evacuation), the project team and its experts defined the following study scenarios for the analysis of the Shiloh Resort's effect on evacuation times. Each scenario is analyzed for the Project opening year (2028) and buildout year (2040) conditions, both with and without the Project.

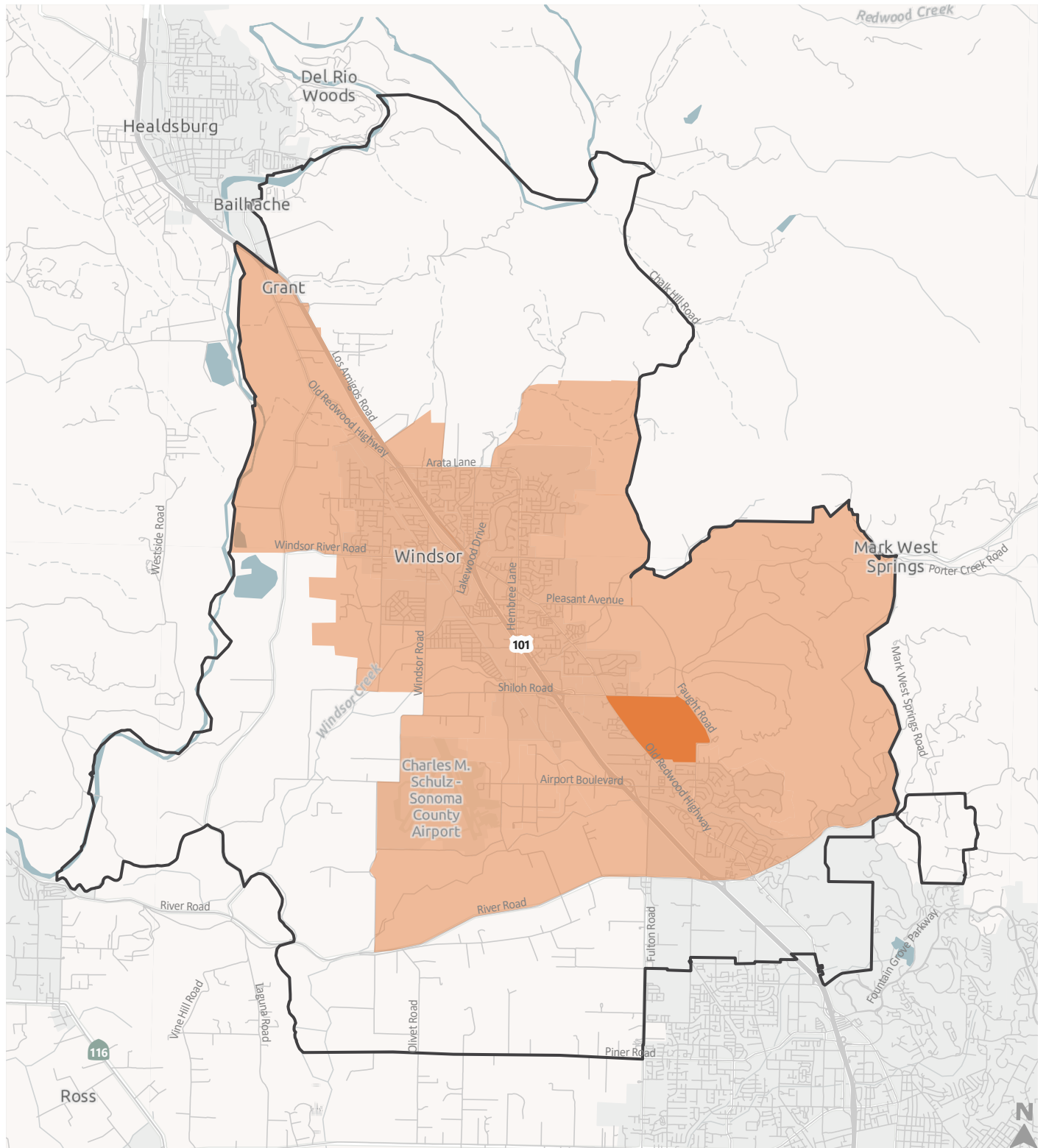
## Scenarios

### *"No Notice" Scenario (Tubbs Fire-inspired)*

In the No Notice scenario, it is assumed that a rapidly spreading wildfire requires the simultaneous evacuation of all land uses within the entire study area without notice; this is a reasonable worst-case scenario event based on expert opinion. These zones are shown in **Figure 1**. As noted by the local experts, such no notice evacuation scenarios are unlikely to happen in the future given the current fire detection and alert technologies. To maximize the Project's potential to impact evacuation times, Fehr & Peers assumed that an evacuation order would be issued at 4:30 PM (the afternoon peak hour of typical travel) on the Friday before Labor Day (when wineries are in the harvest period, and the Friday before a major holiday weekend). This scenario has a theoretical maximum background utilization of the study area's roadway network, with limited remaining capacity to accommodate the Project's evacuation demand.

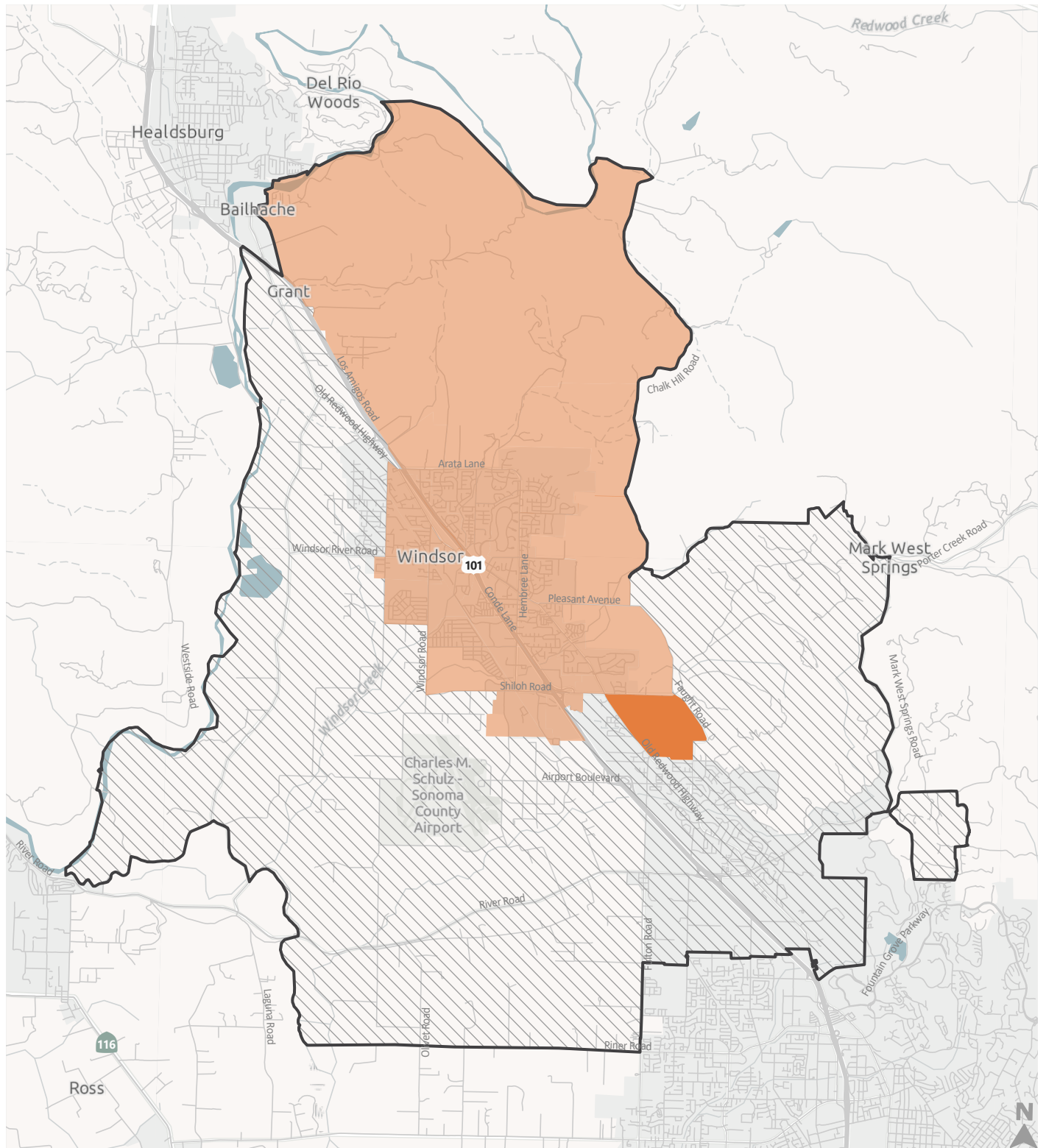
### *"With Notice" Scenario (Kincade Fire-inspired)*

The With Notice scenario assumes a wildfire scenario similar to the 2019 Kincade Fire. In this scenario, there would be some knowledge of a wildfire burning in the direction of the study area before an evacuation order or warning was issued. A time-shifted version of the Kincade Fire Evacuation Warning and Order timeline was used as a basis for this scenario, which is included in **Appendix A**. Using the designated evacuation zones in the Kincade Fire timeline and maintaining the same mandatory evacuation time differences, two evacuation phases have been created: phase 1 zones evacuating at 4:30 PM, and phase 2 zones evacuating at 1:00 AM, as shown in **Figure 2**. In this analysis, the Project zone is assumed to evacuate at the same time as the phase 1 zones. The With Notice scenario evaluates if the evacuation demand from the phase 1 land use and the proposed Project completely exits the southern and western bounds of the study area prior to the phase 2 evacuation order goes into effect. Like the No Notice scenario, the With Notice scenario assumes that an evacuation order would be issued at 4:30 PM on the Friday before Labor Day.



- Study Area
- Project Zone
- Evacuation Zone

Figure 1  
Evacuation Zone for No Notice Scenario







-  Study Area
-  Project Zone (Phase 1)
-  Phase 1 Evacuation Zone
-  Phase 2 Evacuation Zone

Figure 2  
Evacuation Zone for With Notice Scenario



## Assumptions

The following key assumptions were used in the development of background and evacuation traffic demand. All assumptions follow typical traffic engineering practice or were verified as appropriate by the project team's experts.

### Background Traffic

- Background traffic data was based on outputs from the SCTA travel demand model from the traffic study for the Project. Adjustments were made using location-based services "Big Data" <sup>3</sup> for locations along US 101 to establish an evacuation scenario baseline condition that more closely aligns with critical fire season in Sonoma County.
- As noted by the Project team's experts, background traffic demand on US 101 and other key regional routes remained throughout the analysis period. However, trips into the evacuation area are excluded starting 4:30 PM, as it is unlawful to enter an area under an Evacuation Order. Trips leaving the evacuation area were configured to represent evacuation demand.
- Year 2040 background traffic demand was developed based on applying a 1.4% per year straight-line growth factor to base traffic volumes. The growth factor was developed using information from the SCTA travel demand model.

### Evacuation Demand

Evacuation loading has the following distribution by time period:

- 30% evacuating from 4:30 PM to 4:45 PM
- 60% evacuating from 4:45 PM to 5:00 PM
- 10% evacuating from 5:00 PM to 5:15 PM

### Evacuation Destination Patterns

In the No Notice scenario, the evacuating traffic zones have the following distribution:

- 15% evacuating north (via US 101 and Healdsburg Avenue)
- 10% evacuating west (via Eastside Road and River Road)
- 75% evacuating south (via Laguna Road, Olivet Road, Fulton Road, Barnes Road, US 101, Old Redwood Highway, and Cross Creek Road)

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<sup>3</sup> LBS data is provided from devices, primarily smart phones, which run applications and connect to cellular, WiFi, and/or GPS networks. LBS data is carrier-neutral and uses multiple location technologies, providing few gaps in coverage and high spatial precision.



In the With Notice scenario, the evacuating traffic zones have the following distribution:

- 5% evacuating west (via Eastside Road and River Road)
- 95% evacuating south (via Laguna Road, Olivet Road, Fulton Road, Barnes Road, US 101, Old Redwood Highway, and Cross Creek Road)

## Methodology

### EVAC+ Tool

The wide geographic range of both scenarios would result in a large-scale evacuation which would affect multiple bottlenecks in the study area. Evacuation demand was modeled using the EVAC+ tool developed by Fehr & Peers. The EVAC+ tool uses socioeconomic data from the U.S. Census and other data from the SCTA travel demand model such as number of households, population, vehicle ownership, and employment to forecast the number of vehicles that would be generated during an evacuation event. The number of visitor evacuation trips was estimated according to a Sonoma County tourism report in 2023.<sup>4</sup>

The 2028 opening year analysis scenario was interpolated from the 2019 and 2040 scenario years of the SCTA travel demand model as the basis for the travel demand forecasts. A 2040 far-term analysis was also analyzed using data from the SCTA travel demand model; future year land use information from the SCTA travel demand model was used as the basis for the EVAC+ analysis, and SCTA model growth rates were used to inform the process of growing Year 2019 background traffic volumes to arrive at background Year 2040 volumes. The Year 2028 and 2040 analyses also include the proposed Shiloh Terrace residential development and Shiloh Crossing and Clearwater mixed-use developments that are to be built near the Shiloh Resort site by 2028, using publicly available data for the three projects.

### Dynamic Traffic Assignment

The background traffic demand and EVAC+ evacuation demand was input into a dynamic traffic assignment (DTA) model, which uses the SCTA travel demand model network capacities to route the travel demand between origin points (Project site, residential areas, etc.) to evacuation gateways at the boundary of the study area (e.g., US 101 just north of Santa Rosa). When traffic demand exceeds capacity, vehicles are stored on the roadway (i.e., vehicles are stuck in traffic) between time intervals in the model. Thus, one of the key outputs of the DTA is how long it takes to evacuate the study area given the amount of development in the study area and the capacity of the roadway system. A comparison of the No Project and Plus Project DTA outputs indicates the Project's effect on evacuation times for the study area.

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<sup>4</sup> See 2023 Quick Facts, Sonoma County Tourism – Visitor Profile Highlights, Sonoma County Tourism (SCT).  
[https://www.sonomacounty.com/sites/default/files/2023\\_quick\\_facts\\_sonoma\\_county\\_tourism.pdf](https://www.sonomacounty.com/sites/default/files/2023_quick_facts_sonoma_county_tourism.pdf).



Roadway capacities were determined from the SCTA travel demand model, but with a 15% reduction in capacity to account for the various incidents that may occur during a wildfire event that might limit or reduce the capacities of these roadways (i.e. presence of debris, lowered visibility due to smoke, or other hazards). The free-flow speeds of roadways were set as their speed limits, with special attention paid to base operating speed on US 101 to reflect congestion patterns. For this analysis, evacuation elapsed time was considered as ended when the network returned to an uncongested state (all links with 15-minute volume to capacity ratio of 0.75 or less).

## Results

### No Notice Scenario

As noted previously, the No Notice scenario assumes a mass evacuation of the entire study area concurrent with a theoretical peak in background through traffic associated with Labor Day holiday and harvest season traffic. This evacuation was considered by the experts on the project team to be a reasonable worst-case wildfire evacuation scenario.

As expected, given the large geographic scale of the evacuation event, the EVAC+ DTA model runs indicate substantial congestion in the study area in the event of a mass evacuation. In the Plus Project scenario, the following vehicle demand would be added to the key bottlenecks in the study area:

- Southbound Old Redwood Highway and Faught Road towards westbound Airport Boulevard
- US 101 on-ramps at Airport Boulevard, River Road, and Windsor River Road
- Southbound US 101 corridor between Windsor and Santa Rosa (corridor is already congested with afternoon peak hour traffic)

The results of the evacuation travel time analysis are presented below in **Table 1**. The results of the analysis indicate the modeled amount of time to clear the study area of evacuation demand under the No Project and Plus Project scenarios. It is noted that the estimates are based on assumptions (as previously described) and, given the unpredictable nature of fire behavior, should not be taken as an evacuation time standard for the study area.





**Table 1: No Notice Scenario Evacuation Time Results**

Scenario Year	Total Elapsed Time to Evacuate Study Area (min)		
	No Project	Plus Project	Delta
2028	210	270	+29%
2040	315	420	+33%

Source: Fehr & Peers, 2024.

### With Notice Scenario

As noted previously, the With Notice scenario assumes an evacuation pattern similar to that of the 2019 Kincade Fire. The scenario setting remains at 4:30 PM on the Friday before Labor Day as the background traffic level. In this analysis, the project employees and visitors evacuate with the phase 1 evacuation zones.

The results of the evacuation travel time analysis are presented below in **Table 2**. The results of the analysis indicate the modeled amount of time to clear the study area of phase 1 evacuation demand under 2028 and 2040 conditions is less than 8.5 hour (510 minutes), which is the time difference between phase 1 and phase 2 zones receiving the evacuation orders. The key bottlenecks in this scenario are:

- Southbound Old Redwood Highway and Faight Road towards westbound Airport Boulevard
- US 101 on-ramps at Airport Boulevard, River Road, and Shiloh Road
- Southbound US 101 corridor between Windsor and Santa Rosa (corridor is already congested with afternoon peak hour traffic)

**Table 2: With Notice Scenario Operations Analysis Results**

Scenario Year	Total Elapsed Time to Evacuate Study Area (min)		
	No Project	Plus Project	Delta
2028	195	300	+54%
2040	345	360	+4%

Source: Fehr & Peers, 2024.

It is noted that, while the calculation summarized in **Table 2** is based on several conservative assumptions, the results of the analysis indicate that the phase 1 zones and the Project site would be able to fully evacuate before phase 2 zones would have to evacuate.



### *Project-Site-Only Evacuation Time*

To mitigate the impact of the Project on evacuation times in the area, a possible provision is that the Project can evacuate early. This means that the employees and visitors on the Project would evacuate when a nearby evacuation zone receives an evacuation warning or an evacuation order, prior to the project's evacuation zone receiving an evacuation order, should a wildfire event allow for sufficient warning ahead of time. Thus, the Project-site-only evacuation time is modeled while maintaining the rest of the With Notice scenario assumptions, such as the level of background traffic and the evacuation destinations.

The results of this Project-only evacuation travel time analysis show that in 2028 and 2040, the Project vehicles would need a maximum of 52 and 54 minutes, respectively, to evacuate study area. Thus, with early evacuation, the vehicle demand generated by the Project would have exited the study area before neighboring evacuation zones are ordered to evacuate, if the Project began evacuating about one hour ahead of other zones.

## **Conclusion**

The results of the No Notice scenario indicate that the Project would have a 29%-33% (60 to 105 minute) effect on the overall time to clear the study area of evacuation demand. It is noted that the No Notice scenario represents a mass evacuation that experts indicate is far larger than what would be reasonably expected in the future, and thus represents a worst-case scenario based on analysis of historic events. The results of the With Notice scenario indicate that the Project would have a 4%-54% (15 to 105 minutes) effect on the overall time to clear the study area of phase 1 and Project evacuation demand. An additional Project-only evacuation analysis shows that the Project's early evacuation procedure under a 2019 Kincade Fire scenario would result in all project-related evacuation demand destined towards Santa Rosa or west of the Town of Windsor clearing the study area within an hour.

This completes our evacuation travel time assessment for the proposed Shiloh Resort & Casino project in Sonoma County, California. Please call Grace Chen at (707) 582-0039 with any questions.

**Appendix A**  
**Kincade Fire Evacuation**  
**Warning/Order Pattern**

## Kincade Fire Evacuation Orders



<b>Date</b>	<b>Time</b>	<b>Mandatory Evacuation Zones</b>	<b>Evacuation Warning Zones</b>	<b>Open Zones</b>
October 23, 2019	11:34 PM	<b>Community of Geyserville</b> (Census Designated Area) <b>Population: 874</b>	N/A	N/A
October 26, 2019	10:00 AM	<b>Zones: 1, 2, 3</b> <b>Population: 44,131</b>	<b>Zones: 4, 5</b> <b>Population: 14,459</b>	N/A
October 26, 2019	6:30 PM	<b>Zones: 1, 2, 3, 4, 5, 7</b> <b>Population: 83,764</b>	<b>Zones: 6, 8</b> <b>Population: 41,668</b>	N/A
October 27, 2019	4:30 AM	<b>Zones: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10</b> <b>Population: 186,651</b>	N/A	N/A
October 27, 2019	12:45 PM	<b>Zones: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10</b> <b>Population: 186,651</b>	<b>Zone: 21</b> <b>Population: 6,256</b>	N/A
October 28, 2019	2:00 PM	<b>Zones: 1, 2, 3, 4, 5, 6, 8A, 9, 10</b> <b>Population: 136,148</b>	<b>Zones: 7, 8B, 21</b> <b>Population: 56,804</b>	N/A
October 28, 2019	6:00 PM	<b>Zones: 1, 2, 3, 4, 5, 6, 8A, 9, 10</b> <b>Population: 136,148</b>	<b>Zones: 7, 8B, 21, 31</b> <b>Population: 58,681</b>	N/A
October 29, 2019	2:00 PM	<b>Zones: 1, 2, 3, 4B, 5, 6, 8A, 9, 10</b> <b>Population: 133,740</b>	<b>Zones: 4A, 7, 8B, 21, 31, 32, 33, 34</b> <b>Population: 65,046</b>	N/A

## Kincade Fire Evacuation Orders



Date	Time	Mandatory Evacuation Zones	Evacuation Warning Zones	Open Zones
October 30, 2019	1:00 PM	<b>Zones:</b> 1B, 2, 3C, 5B <b>Population:</b> 3,381	<b>Zones:</b> 1A, 3A, 3B, 5A, 6 (original revised to remove City of Santa Rosa), 21, 31, 32, 33, 34 <b>Population:</b> 64,860	<b>Zones:</b> 4A, 4B, 7, 8A, 8B, 9, 10, Unnamed (portion of original Zone 6 that was within the City of Santa Rosa) <b>Population:</b> 130,544
October 31, 2019	2:00 PM	<b>Zones:</b> 1B, 2, 3C, 5B <b>Population:</b> 3,381	<b>Zones:</b> 1A, 3A, 3B, 5A, 6 (original revised to remove City of Santa Rosa) <b>Population:</b> 52,770	<b>Zones:</b> 4A, 4B, 7, 8A, 8B, 9, 10, 21, 31, 32, 33, 34, Unnamed (portion of original Zone 6 that was within the City of Santa Rosa) <b>Population:</b> 142,634
November 1, 2019	1:00 PM	<b>Zones:</b> 1B (original reduced to remove a portion of Dry Creek Rancheria), 2, 3C, 5B <b>Population:</b> 3,376	N/A	<b>Zones:</b> 1A (original expanded into 1B to include a portion of Dry Creek Rancheria), 3A, 3B, 4A, 4B, 5A, 6 (original revised to remove City of Santa Rosa), 7, 8A, 8B, 9, 10, 21, 31, 32, 33, 34, Unnamed (portion of original Zone 6 that was within the City of Santa Rosa) <b>Population:</b> 195,409

## Kincade Fire Evacuation Orders



Date	Time	Mandatory Evacuation Zones	Evacuation Warning Zones	Open Zones
November 1, 2019	3:00 PM	<b>Zones:</b> 1C, 2, 3C, 5B <b>Population:</b> 2,608	<b>Zone:</b> 1B (original reduced to remove a portion of Dry Creek Rancheria; further reduced to remove new Zone 1C) <b>Population:</b> 768	<b>Zones:</b> 1A (original expanded into 1B to include a portion of Dry Creek Rancheria), 3A, 3B, 4A, 4B, 5A, 6 (original revised to remove City of Santa Rosa), 7, 8A, 8B, 9, 10, 21, 31, 32, 33, 34, Unnamed (portion of original Zone 6 that was within the City of Santa Rosa) <b>Population:</b> 195,409
November 2, 2019	3:00 PM	<b>Zones:</b> 1C (original reduced to remove new Zone 1D), 2, 3C (original reduced to remove new Zone 3D), 5B (original reduced to remove new Zone 5C) <b>Population:</b> 978	<b>Zones:</b> 1D, 3D <b>Population:</b> 1,324	<b>Zones:</b> 1A (original expanded into 1B to include a portion of Dry Creek Rancheria), 1B (original reduced to remove a portion of Dry Creek Rancheria; further reduced to remove new Zone 1C), 3A, 3B, 4A, 4B, 5A, 5C, 6 (revised to remove City of Santa Rosa), 7, 8A, 8B, 9, 10, 21, 31, 32, 33, 34, Unnamed (portion of original Zone 6 that was within the City of Santa Rosa) <b>Population:</b> 196,483



## Kincade Fire Evacuation Orders



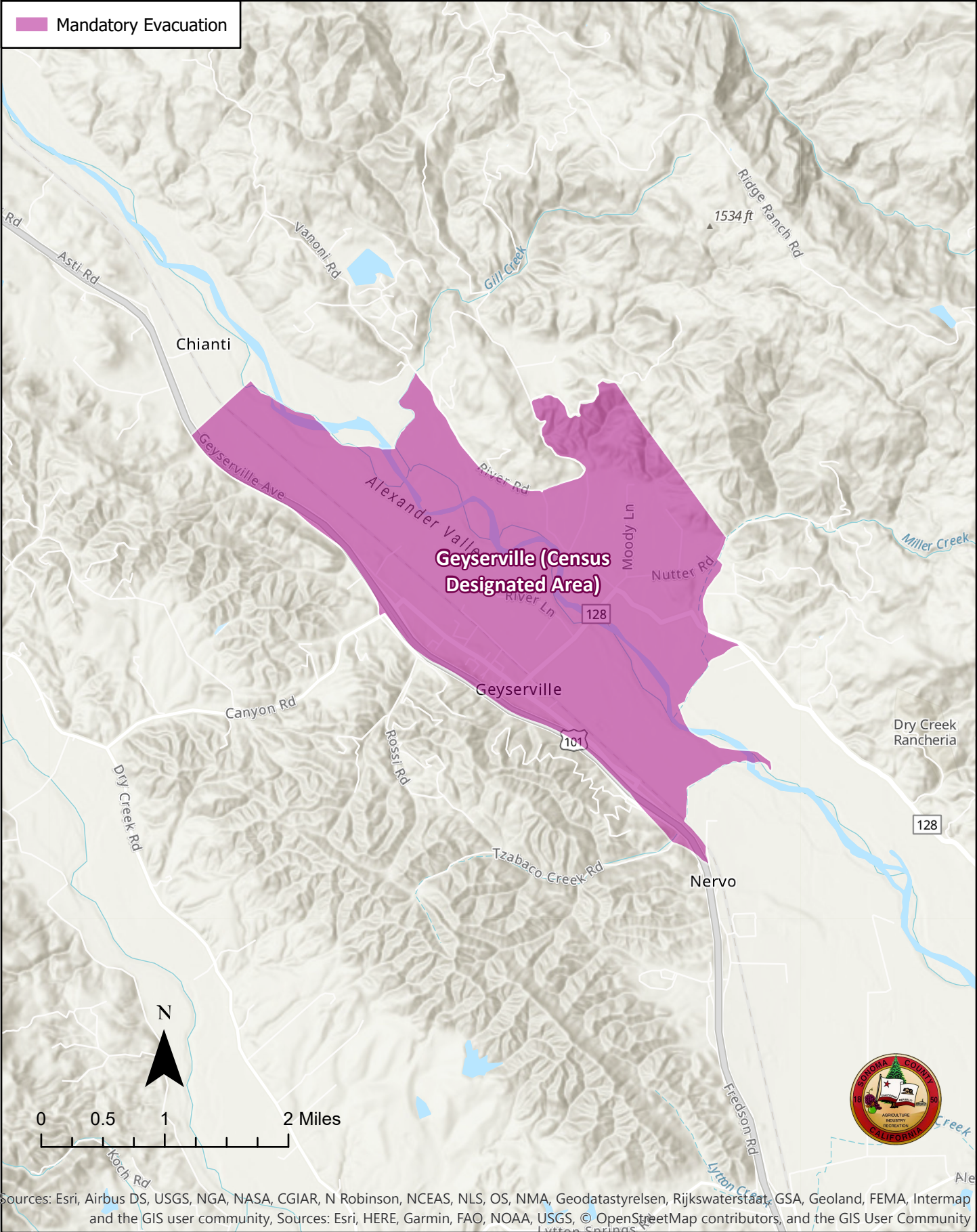
Date	Time	Mandatory Evacuation Zones	Evacuation Warning Zones	Open Zones
November 3, 2019	3:00 PM	N/A	<b>Zones:</b> 1C (original reduced to remove new Zone 1D), 2, 3C (original reduced to remove new Zone 3D), 5B (original reduced to remove new Zone 5C) <b>Population: 978</b>	<b>Zones:</b> 1A (original expanded into 1B to include a portion of Dry Creek Rancheria), 1B (original reduced to remove a portion of Dry Creek Rancheria; further reduced to remove new Zone 1C), 1D, 3A, 3B, 3D, 4A, 4B, 5A, 5C, 6 (revised to remove City of Santa Rosa), 7, 8A, 8B, 9, 10, 21, 31, 32, 33, 34, Unnamed (portion of original Zone 6 that was within the City of Santa Rosa) <b>Population: 197,807</b>

## Kincade Fire Evacuation Orders



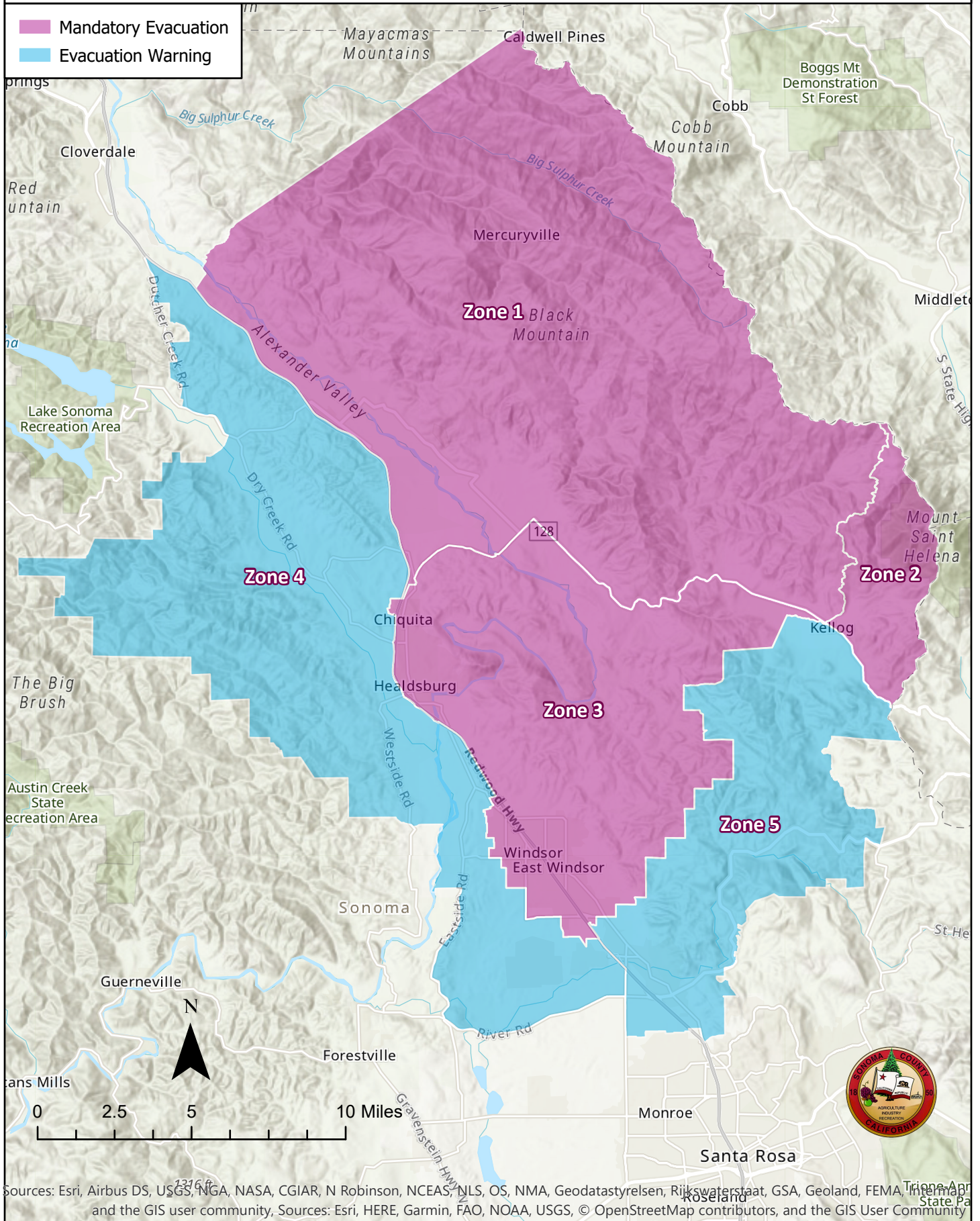
Date	Time	Mandatory Evacuation Zones	Evacuation Warning Zones	Open Zones
November 4, 2019	3:00 PM	N/A	N/A	<p><b>Zones:</b> 1A (original expanded into 1B to include a portion of Dry Creek Rancheria), 1B (original reduced to remove a portion of Dry Creek Rancheria; further reduced to remove new Zone 1C), 1C (original reduced to remove new Zone 1D), 1D, 2, 3A, 3B, 3C (original reduced to remove new Zone 3D), 3D, 4A, 4B, 5A, 5B (original reduced to remove new Zone 5C), 5C, 6 (revised to remove City of Santa Rosa), 7, 8A, 8B, 9, 10, 21, 31, 32, 33, 34, Unnamed (portion of original Zone 6 that was within the City of Santa Rosa)</p> <p><b>Population: 198,785</b></p>

# Kincade Fire Evacuation Order as of October 23, 2019 at 11:34 PM



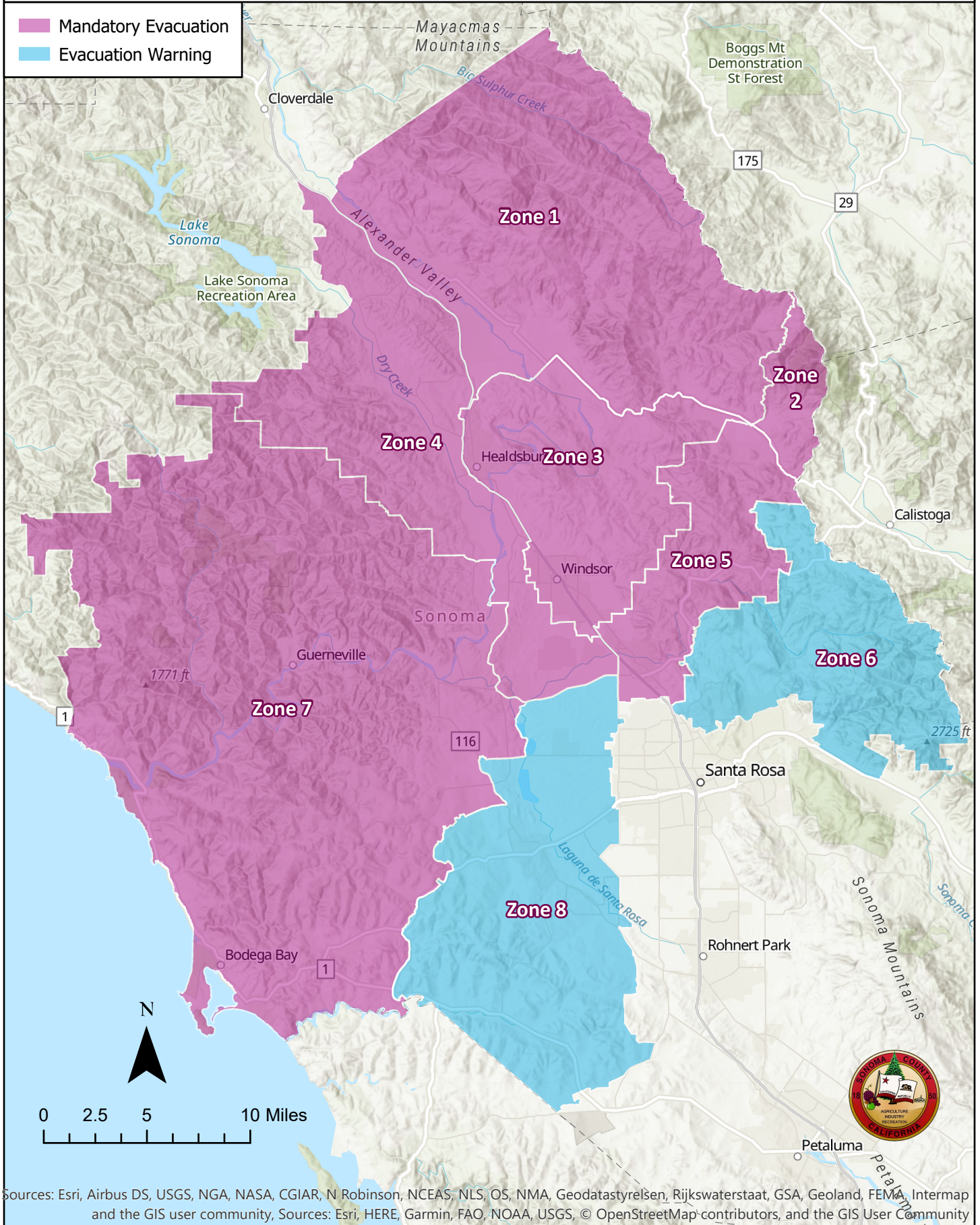


# Kincade Fire Evacuation Orders as of October 26, 2019 at 10:00 AM





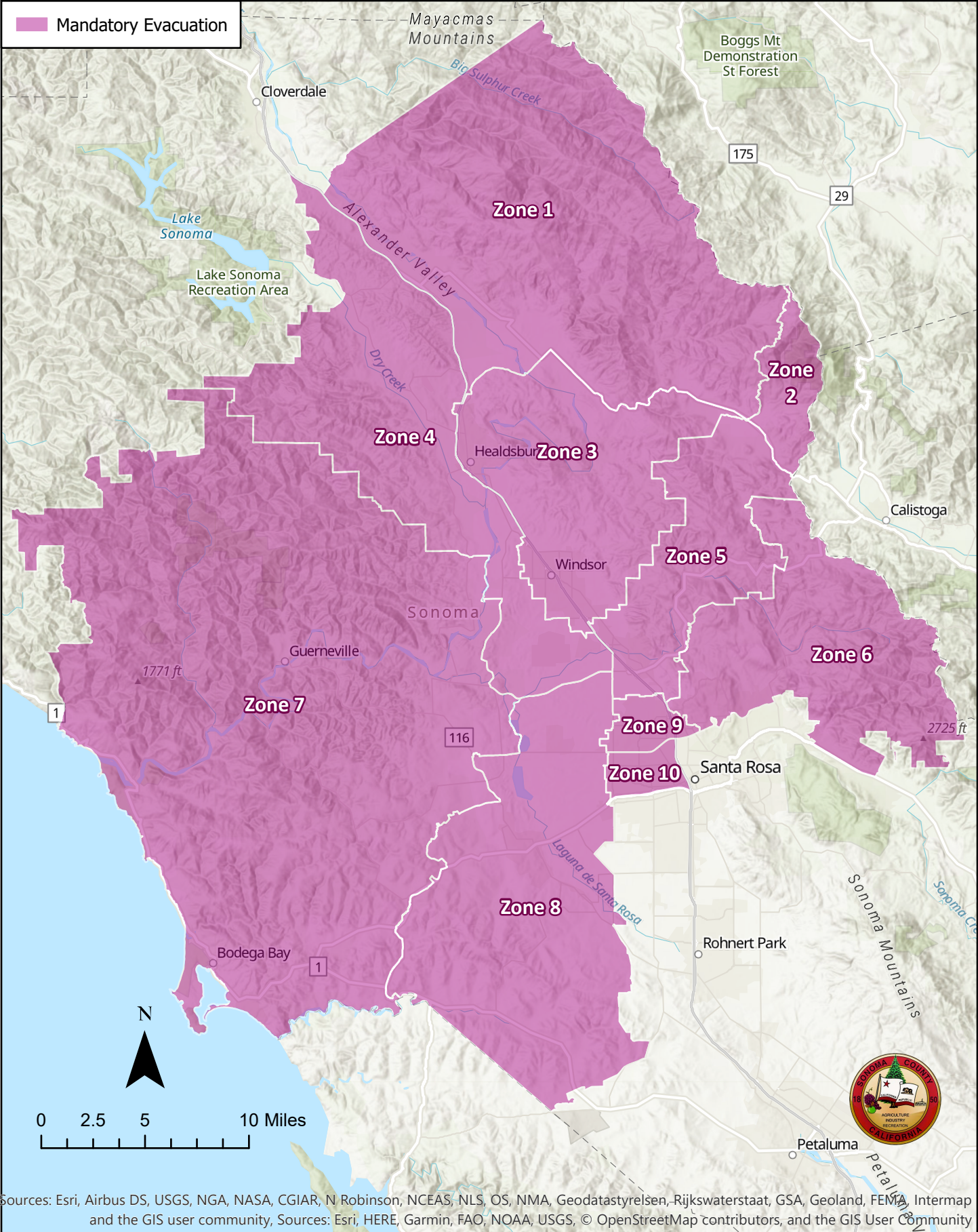
# Kincade Fire Evacuation Orders as of October 26, 2019 at 6:30 PM



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



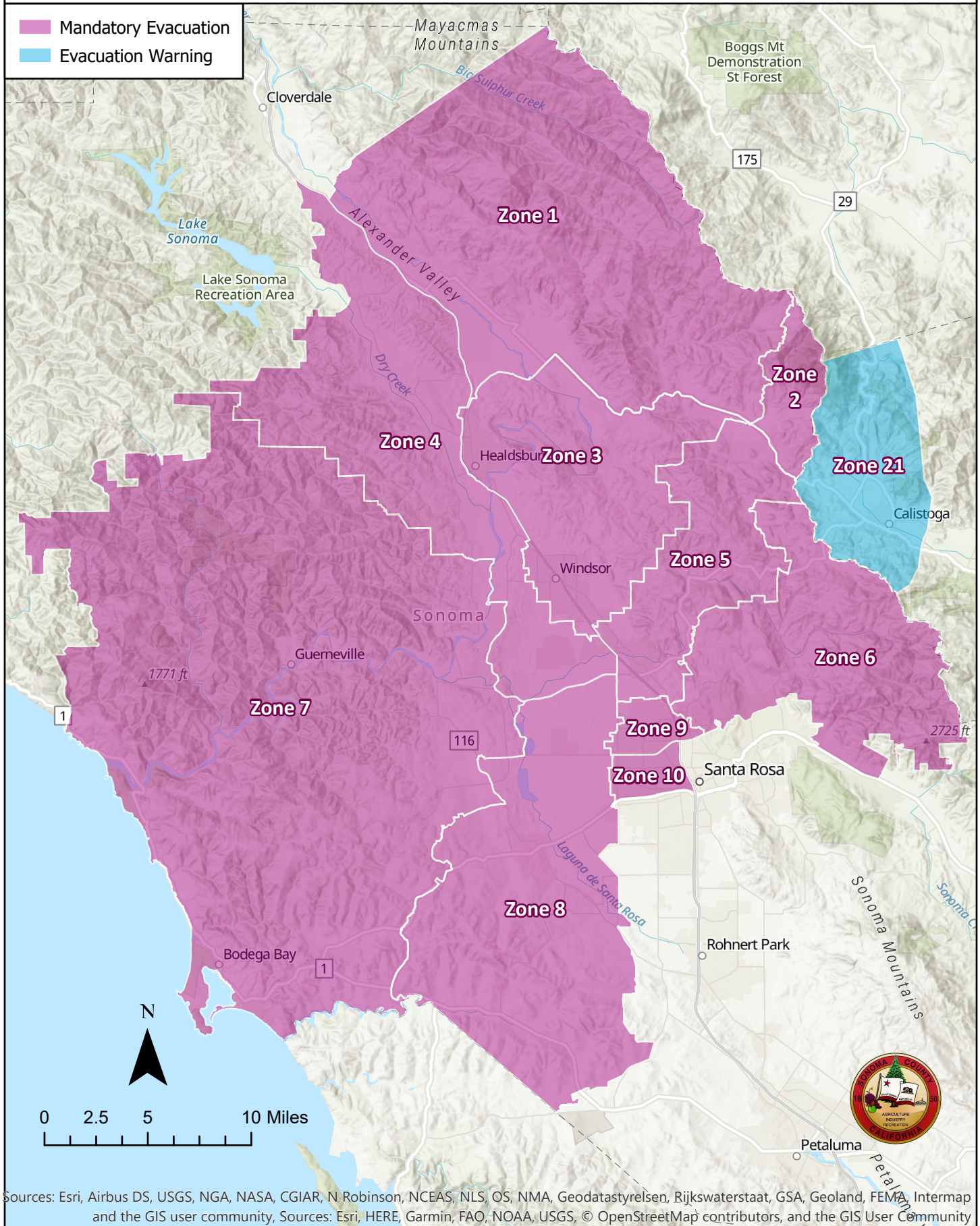
# Kincade Fire Evacuation Orders as of October 27, 2019 at 4:30 AM



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

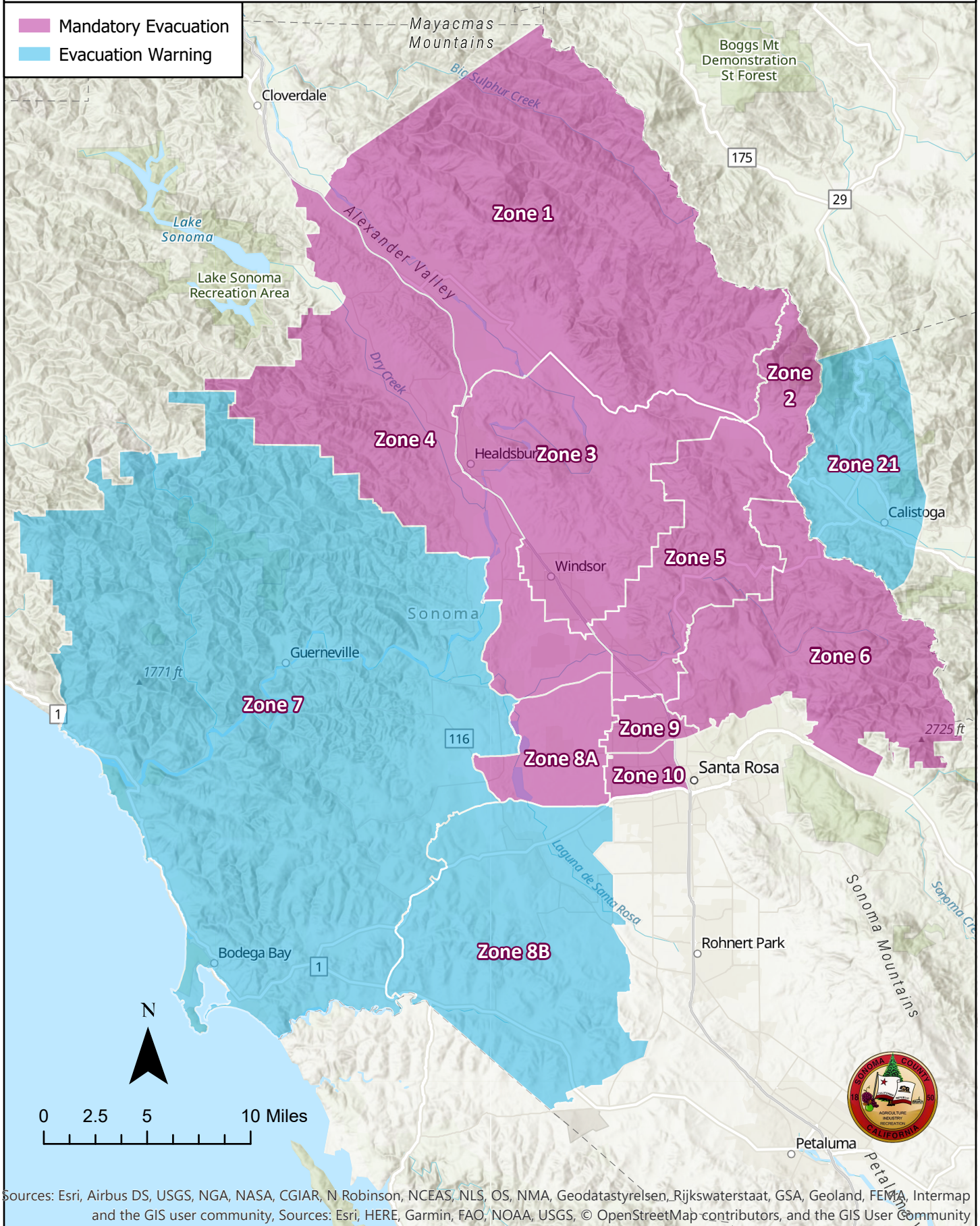


# Kincade Fire Evacuation Orders as of October 27, 2019 at 12:45 PM



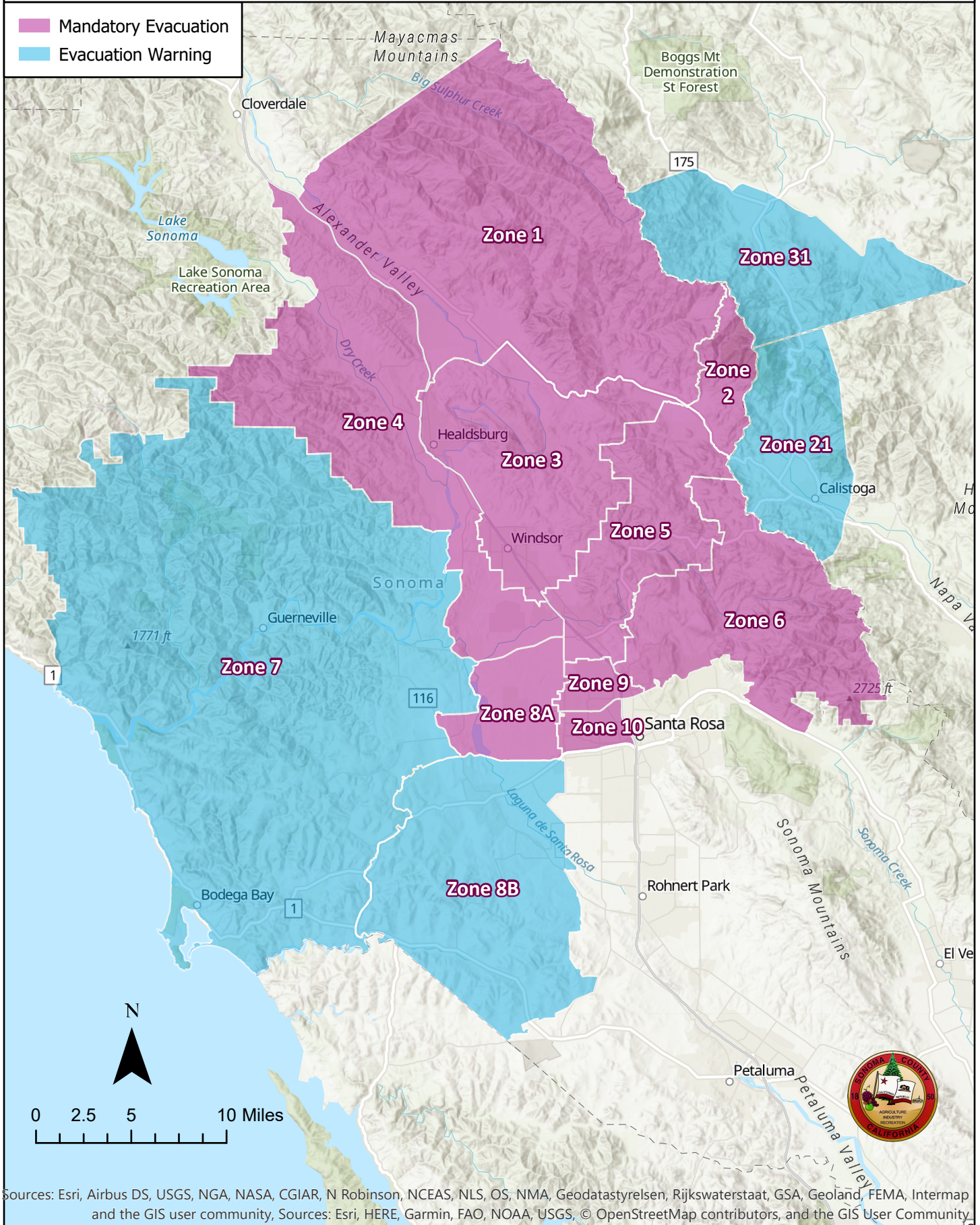


# Kincade Fire Evacuation Orders as of October 28, 2019 at 2:00 PM





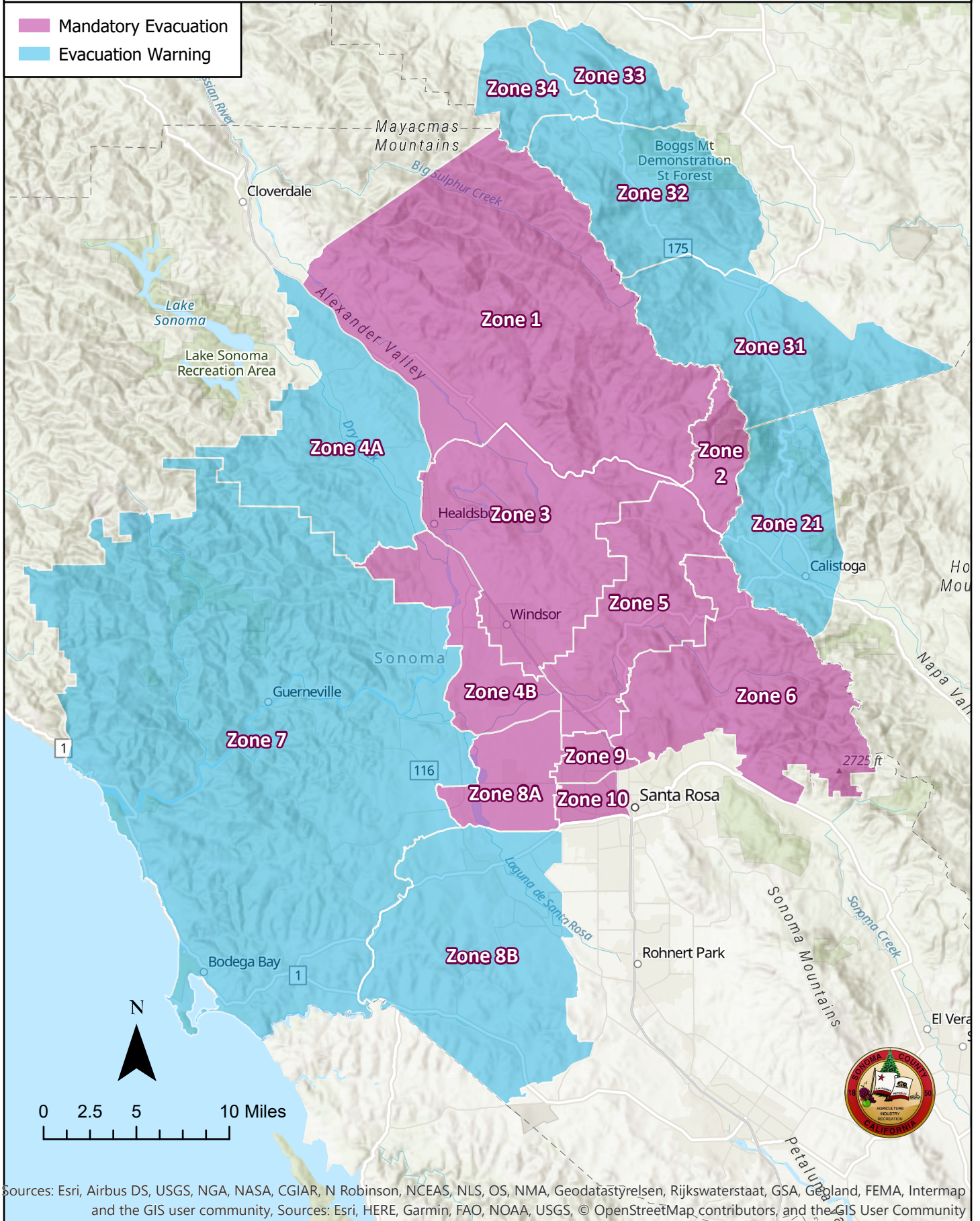
# Kincade Fire Evacuation Orders as of October 28, 2019 at 6:00 PM



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

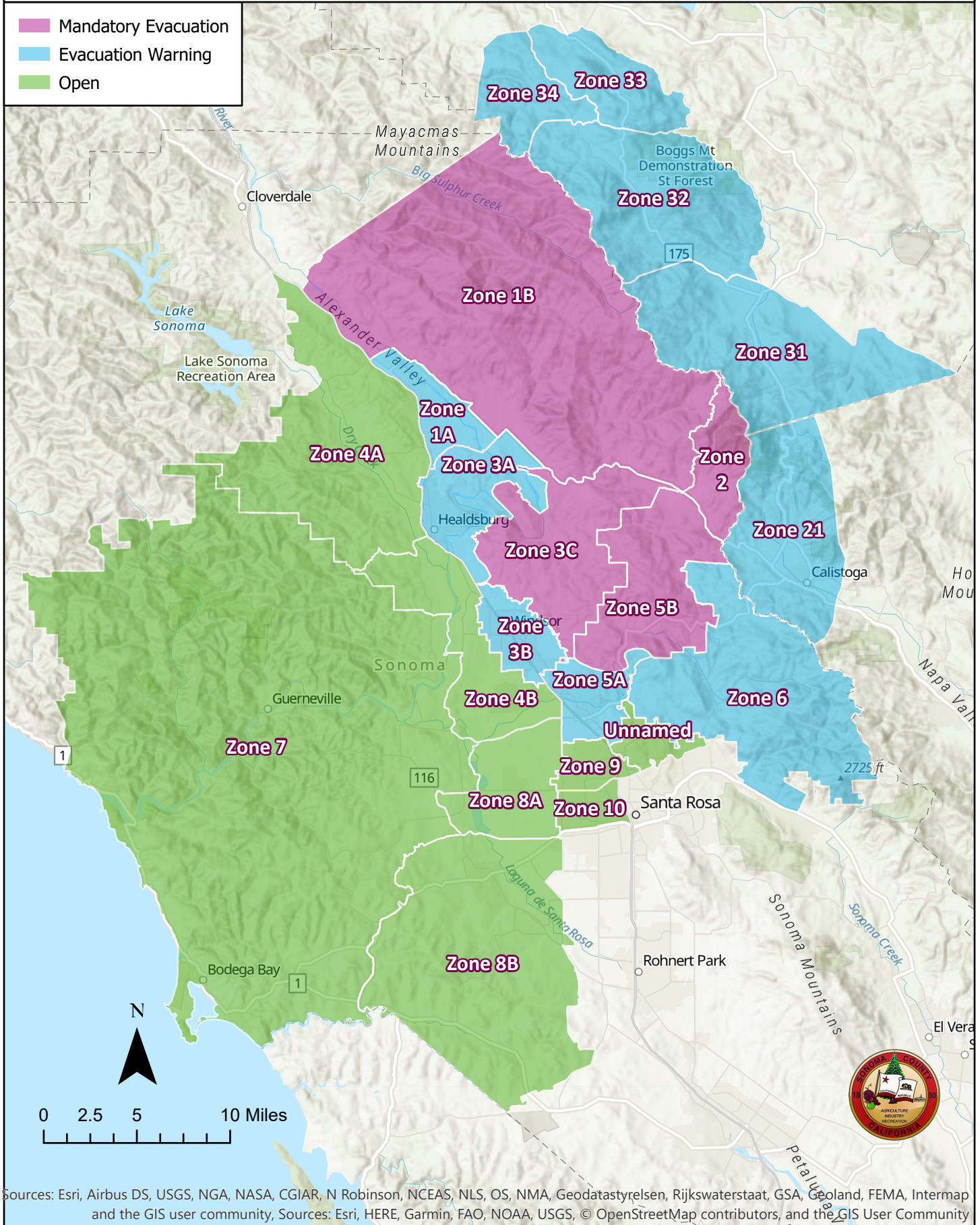


# Kincade Fire Evacuation Orders as of October 29, 2019 at 2:00 PM



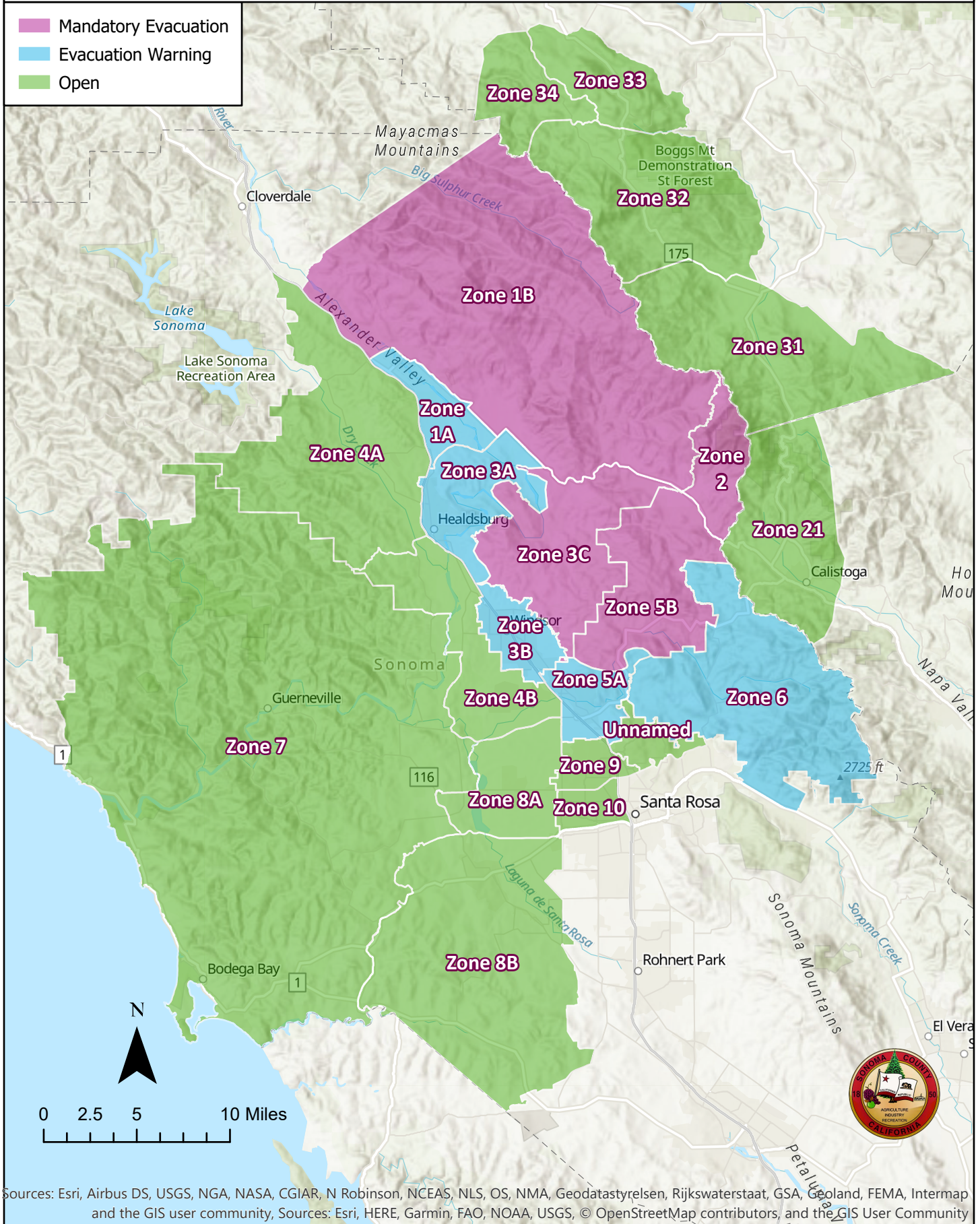


# Kincade Fire Evacuation Orders as of October 30, 2019 at 1:00 PM



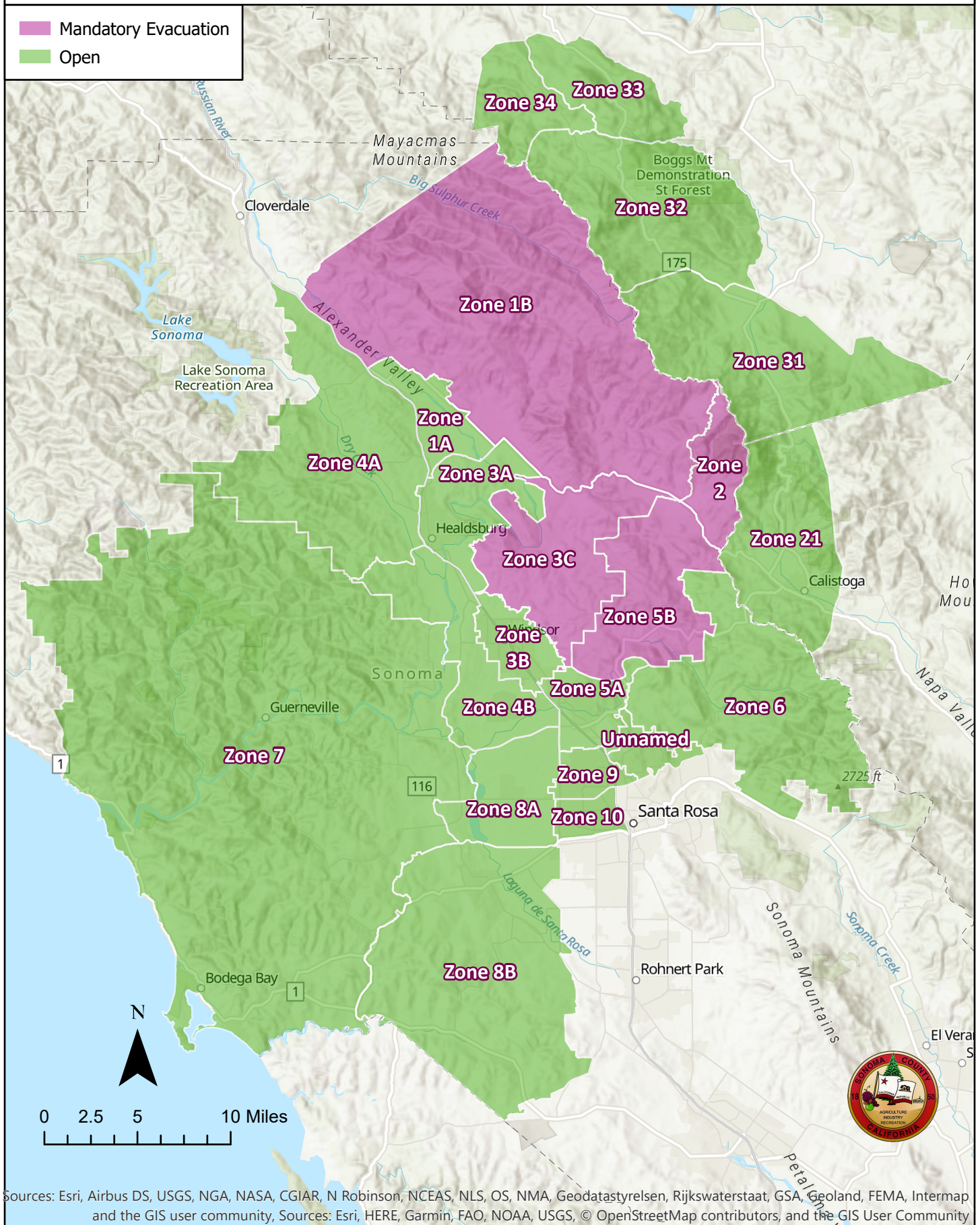


# Kincade Fire Evacuation Orders as of October 31, 2019 at 2:00 PM



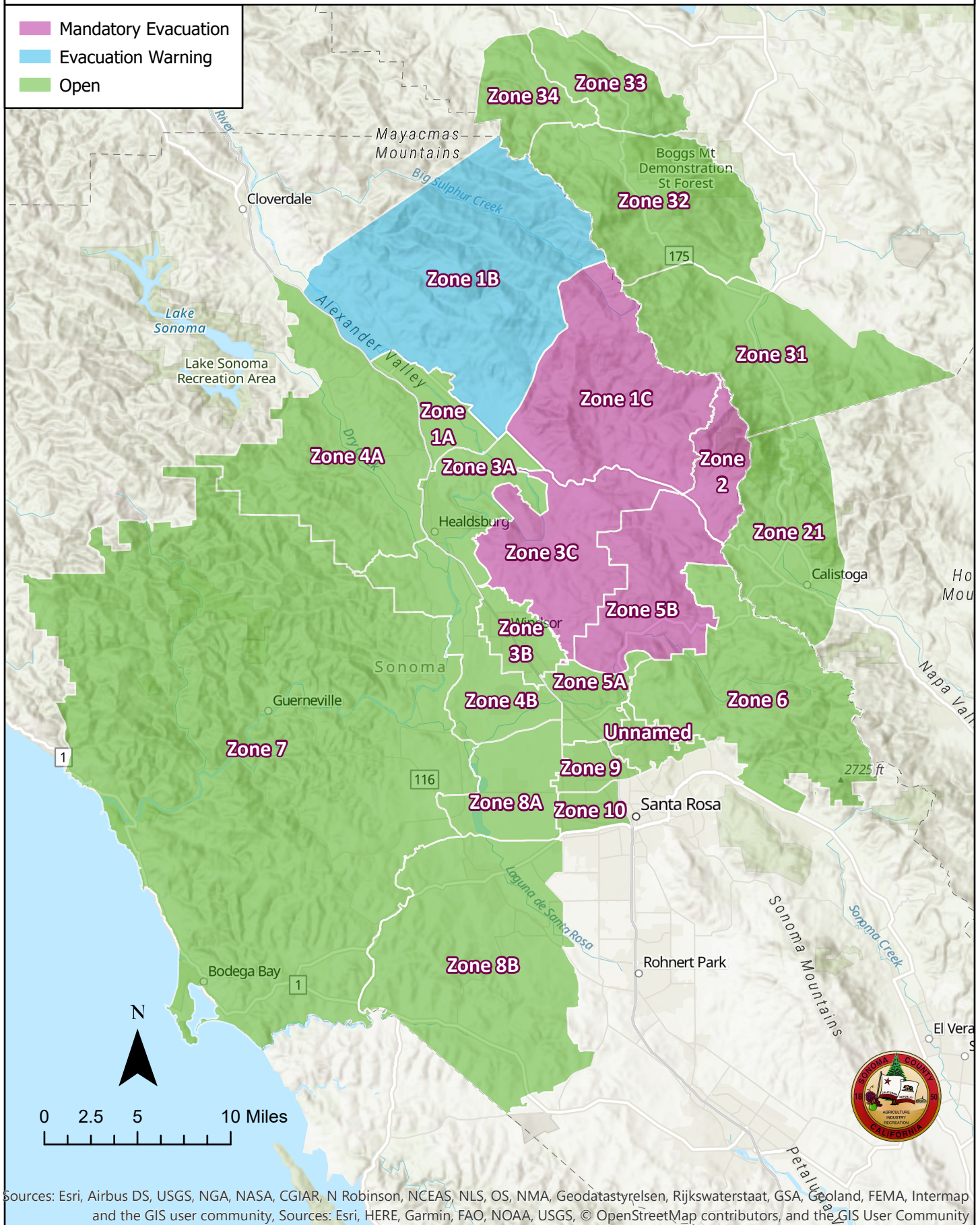


# Kincade Fire Evacuation Orders as of November 1, 2019 at 1:00 PM



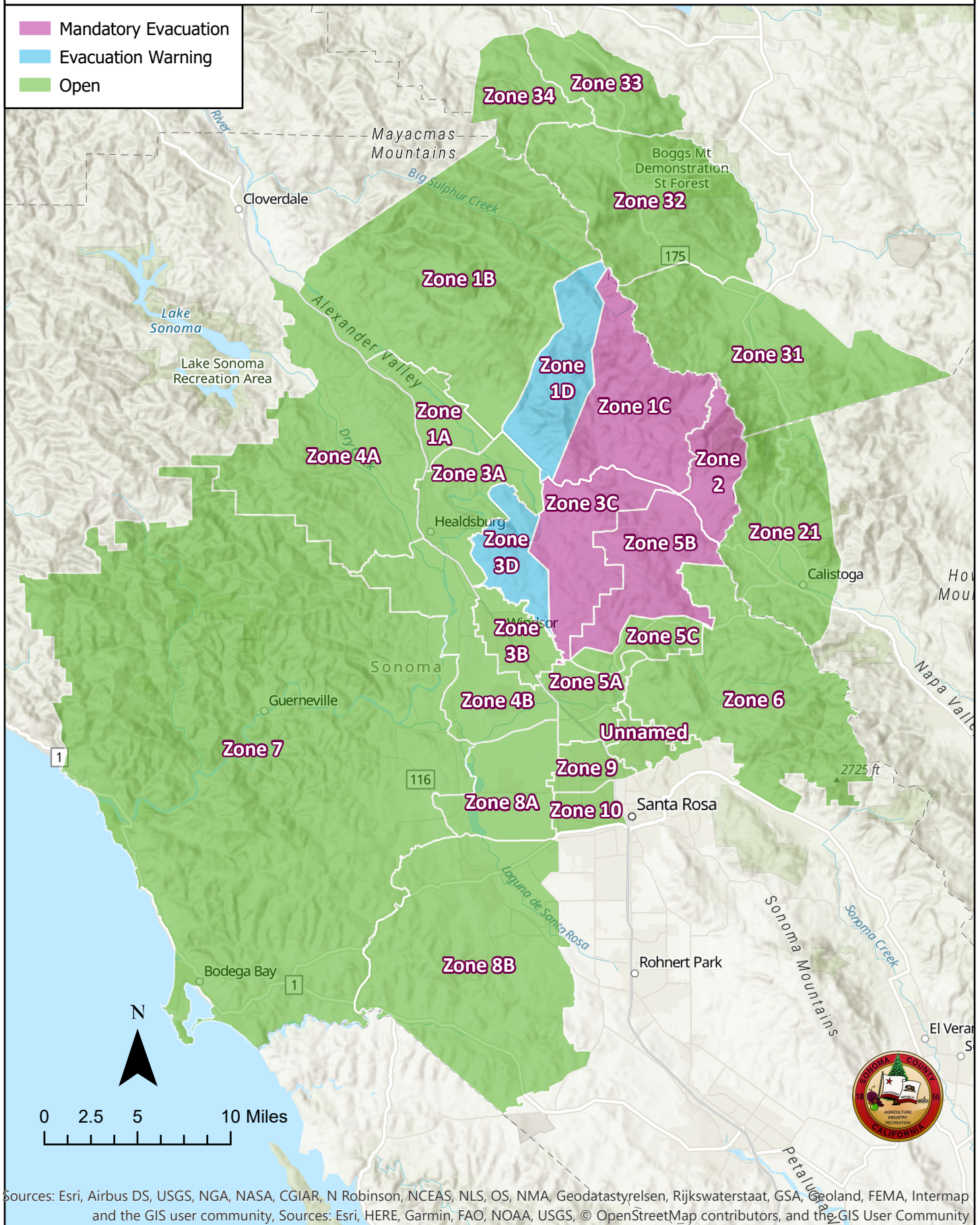


# Kincade Fire Evacuation Orders as of November 1, 2019 at 3:00 PM



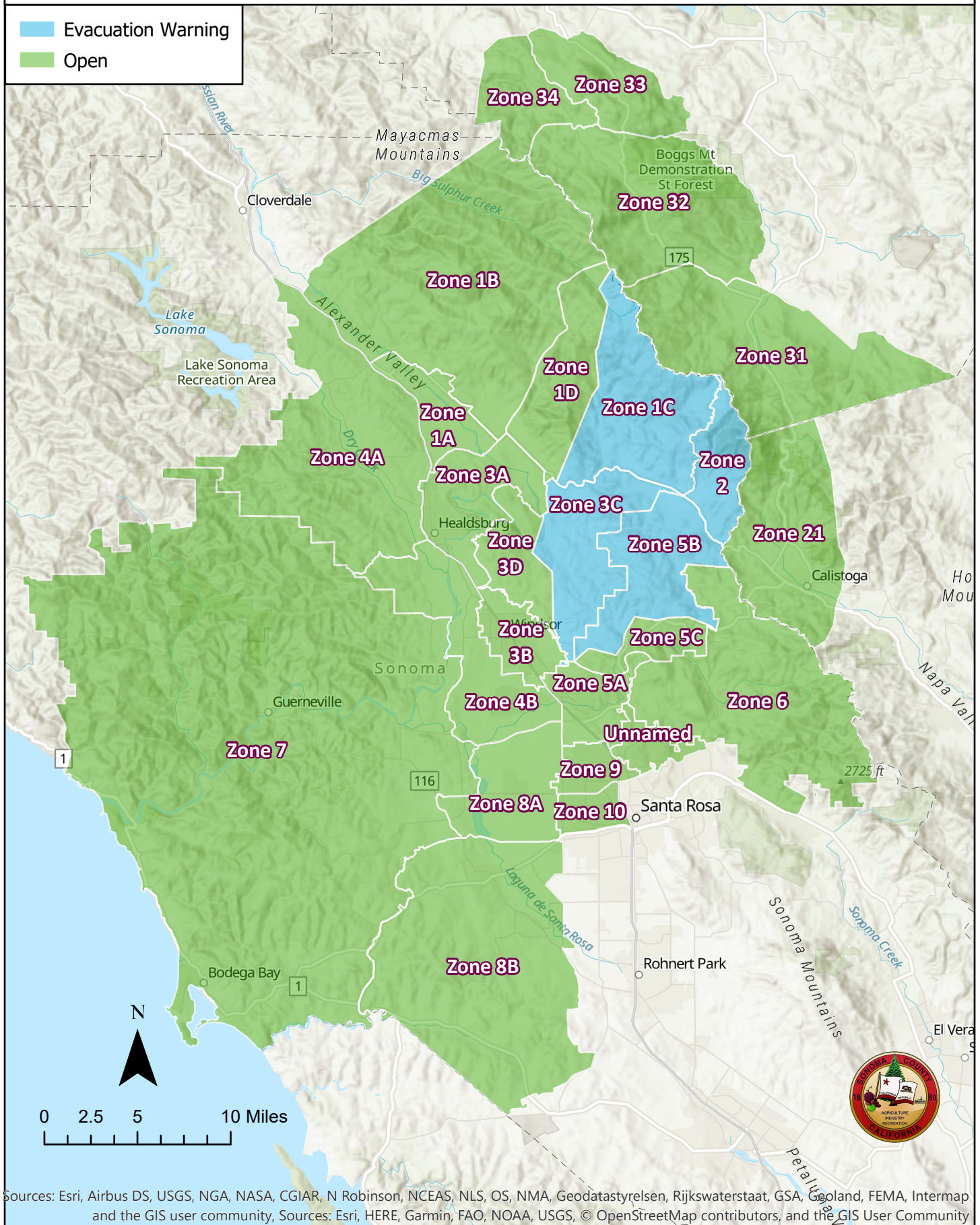


# Kincade Fire Evacuation Orders as of November 2, 2019 at 3:00 PM



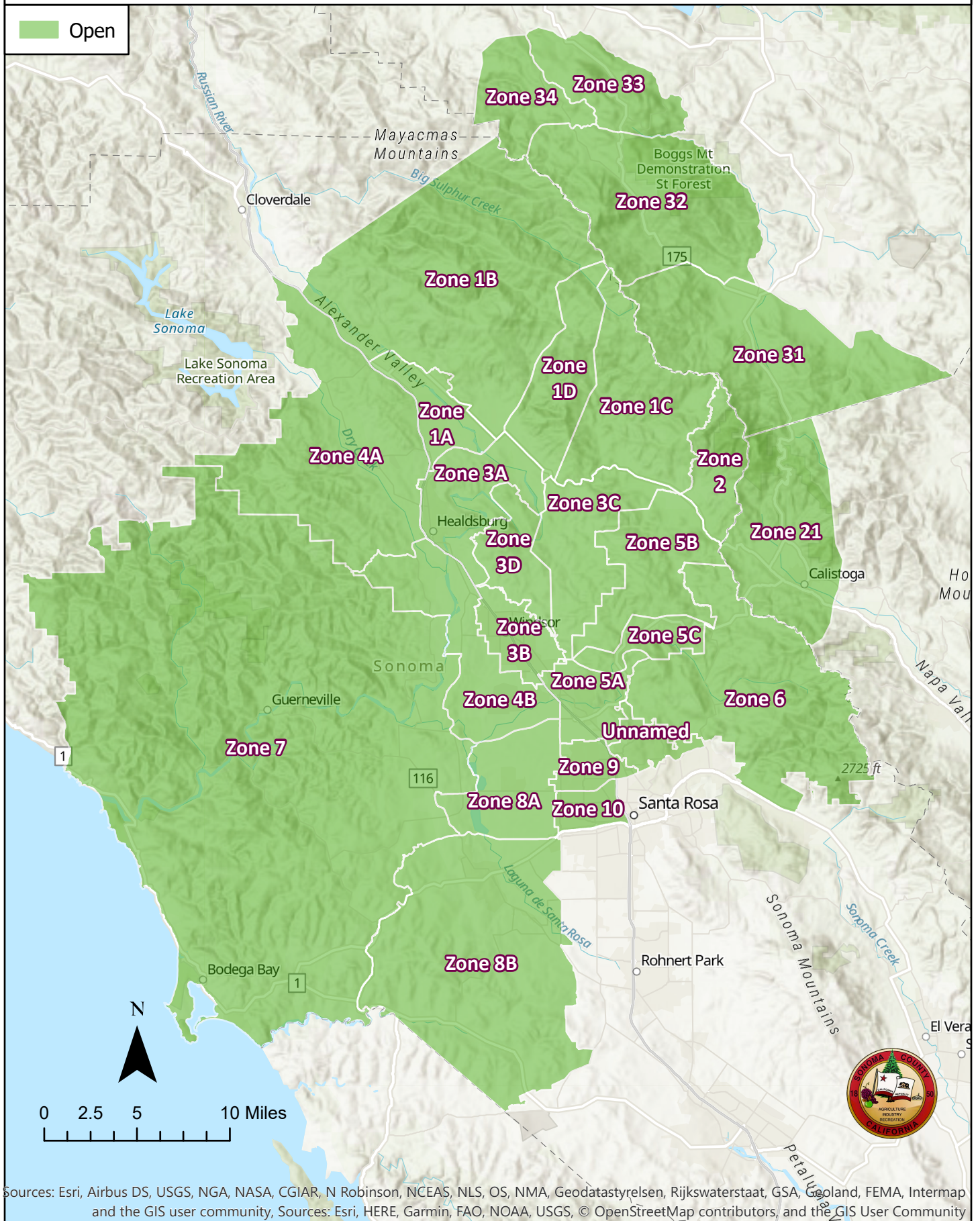


# Kincade Fire Evacuation Orders as of November 3, 2019 at 3:00 PM





## Kincade Fire Evacuation Orders as of November 4, 2019 at 3:00 PM



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Appendix N-3  
Evacuation Recommendations  
Memorandum



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November 30, 2022

Bibiana Sparks-Alvarez  
Acorn Environmental  
5170 Golden Foothill Parkway  
El Dorado Hills, CA 95762

RE: Shiloh Resort and Casino Project

Dear Bibiana Sparks-Alvarez:

The purpose of this letter is to provide our professional recommendations for evacuation planning considerations at the Shiloh Resort and Casino (Project) during a disaster; specifically related to wildfire evacuations.

Disasters are unpredictable, much like human behavior in response to them. A comprehensive disaster evacuation plan prepares for many contingencies. No disaster response plan can eliminate risk, but a well-designed plan, reinforced with continuous training and clear communication can reduce risk.

## EXPERIENCE

Our recommendations are based on a law enforcement perspective of traffic-related evacuations during a disaster. We have a combined 54 years of law enforcement experience, including leadership roles during the 2017 Sonoma County Complex Fires. At that time, these were the most devastating wildfires and in California's history. Serving as the Sonoma County Sheriff and Assistant Sheriff during these fires, let us see first-hand the importance of evacuation preparedness and planning. One of many important lessons learned during these fires was early evacuation is the key to protecting life and getting people out in an efficient manner. Our professional experience with wildfire evacuations means that we are uniquely qualified to provide evacuation recommendations, while working collaboratively with public agencies and other project team members, such as fire and traffic experts. Our goal is to provide the safest evacuation recommendations possible, recognizing that each project and its physical location are unique, and requires a tailored approach.

Our recommendations are based on our professional experience and first-hand knowledge of evacuations during disasters. In addition to our experience, we reviewed the following items:

- On-site reconnaissance;
- Sonoma County's Emergency Operation Plan, and the incorporated annexes: Alert and Warning and Evacuation Plans;
- Presentations by Law Enforcement leaders on disaster management of actual incidents;
- News media covering disaster issues for law enforcement including review of the Sonoma County Complex Fires of 2017, and the 2019 Kincade Fire;



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- Client's square footage calculations (Reduced Intensity and Full Build Site Plan)
- Client's Full Build Site Plan and Reduced Intensity Site Plan;
- Client's Environmental Assessment Section 2.1.2 (Resort Facility) and 2.1.6 (Roadway Access and Circulation);
- Draft Reports by Vern Losh regarding Fire and Emergency Response recommendations;
- Personally driving and observing relevant evacuation roads and routes.

## PROPOSED PROJECT LOCATION

South/East corner of East Shiloh Road at Old Redwood Highway, Windsor, California

## PROPOSED PROJECT DESCRIPTION

The proposed Project is located on 68.6 acres on the south/east corner of East Shiloh Road and Old Redwood Highway in the unincorporated area of the County of Sonoma. The Project Site includes a three-story casino, a five-story hotel with spa and pool area, ballrooms/meeting space, and event center. The resort would be designated as entirely non-smoking and open 24 hours a day, 7 days a week. It is anticipated that the event center would host concerts and performances while the ballrooms/meeting space would host banquets, conferences, or other special events. An enclosed pedestrian bridge would connect the parking garage with the casino approximately 12 feet above Pruitt Creek. The Project Site would create an estimated 1,571 full-time equivalent jobs.

### Project Occupancy Numbers:<sup>1</sup>

The total occupancy load of the Resort and Casino is 20,814<sup>2</sup>. However, the total occupancy based on parking capacity is 9,191. There are 5,110 parking spaces on the entire property and nine bus parking spaces. Based on figures provided, the average vehicle would contain 1.7 persons per vehicle for a total of 8,687 people. There are nine bus parking spaces with 56 seats per bus which totals 504 persons.

The market study showed peak bodies at any given time to be 4,165 people. Assuming 1.7 persons per vehicle, that would equal 2450 total vehicles at the Project. Additional considerations should be made for shuttle services that bring persons to and from the Resort and Casino.

<sup>1</sup> Information provided by Acorn Environmental based on figures they receive from the architect and from a GMA market study.

<sup>2</sup> Provided to Acorn Environmental from Architect Dale Partners.





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## CONCEPTUAL SITE PLAN



## ROADWAY ACCESS FROM PROJECT SITE

Ingress and egress onto the Project Site are through the following roadway access points:

1. An existing driveway on East Shiloh Road, east of Caporale Court;
2. A new driveway on East Shiloh Road across from Gridley Drive and;
3. A new driveway on Old Redwood Highway across from the southern driveway of the existing Shiloh Neighborhood Church.

The two main roadways to exit the property are Old Redwood Highway and E. Shiloh Road. Old Redwood Highway is a two-lane highway that traverses through the Town of Windsor to the north and the City of Santa Rosa to the south. Shiloh Road is a two-lane roadway that crosses Highway 101 to the west, which is the main evacuation artery in the area. There is a traffic-controlled intersection at Old Redwood Highway and Shiloh Road. Evacuee's most viable options for evacuation from the Project Site at the Old Redwood Highway access point is southbound on Old Redwood Highway toward





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Larkfield, where more evacuation routes become available to access Highway 101. Or, heading northbound on Old Redwood Highway and then west on Shiloh Road towards Highway 101.

For evacuee's leaving the Project Site from the E. Shiloh Road access point, the best option would be heading westbound on E. Shiloh Road to Highway 101.

## DEFINITIONS

This letter uses four types of definitions: definitions that are specific to the Shiloh Resort and Casino; definitions from FEMA; and Sonoma County and State of California evacuation terminology as is set forth below.

### 1. Shiloh Resort and Casino Specific Definitions

For a clear description of the different aspects of the Project, we included the following terms when describing the Shiloh Resort and Casino and its components.

**Casino:** 538,137 square foot facility to serve gaming, ballrooms, meeting rooms, food court, retail, service bars, and an event center.

**Hotel:** A 400 room hotel with spa.

**Parking:** The Project will provide for 5,119 parking spaces as follows:

- Casino drop-off parking is 800 parking spaces
- Four-story parking garage with 3,692 parking spaces
- Additional paved surface parking is 618 parking spaces
- Bus parking is 9 spaces

### 2. FEMA Definitions

**Evacuation:** Organized, phased, and supervised withdrawal, dispersal, or removal of civilians from dangerous or potentially dangerous areas, and their reception and care in safe areas.

### 3. Sonoma County and California Statewide Evacuation Terminology

Our experience showed that using correct terminology during a disaster is significant. Therefore, we will use the following list of common terms based on the California Standard Statewide Evacuation Terminology. Sonoma County adheres to this terminology.

**Evacuation Order:** Immediate threat to life. This is a lawful order to leave now. The area is lawfully closed to public access.



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**Evacuation Warning:** Potential threat to life or property. Those who require additional time to evacuate, and those with pets and livestock should leave now.

**Shelter-in-Place:** Go indoors. Shut and lock doors and windows. Prepare to self-sustain until further notice and/or contacted by emergency personnel for additional direction.

## EVACUATION EVOLUTION IN SONOMA COUNTY

Typically, strong “Diablo Winds” from the northeast have fueled Sonoma County’s most destructive wildfires. These wind-driven fires caused “No-Notice” events, such as the Sonoma County Complex fires in October 2017 when people had little or no warning time to evacuate.

Today, Sonoma County has developed fire preparedness education, advanced Alert and Warning Systems, Evacuation Zones, and early detection devices such as wildfire cameras to enhance life-safety through orderly evacuations. However, “No Notice” events still merit significant consideration and planning. In a “No-Notice” event, people are typically forced to self-evacuate<sup>3</sup> or shelter-in-place. “No-Notice” events may include loss of infrastructure, such as power, internet, and cell phones.

Advanced warning and early evacuations provide more time for people to get out of the danger areas. The 2019 Kincade Fire and 2020 Glass Fires, saw early and widespread evacuations by design<sup>4</sup> to protect life and enable the firefighters to fight the fire. Although traffic problems were widely reported during the Kincade and Glass Fire evacuation, traffic congestion is expected and normal when trying to get all residents out of an area. The roadways were not designed to handle the high volume of vehicles during a mass evacuation. The critical metric for success in these evacuations was that no loss of life occurred. Consequently, structure losses were significantly lower relative to wildfires without these early evacuations.

## VERN LOSH’S FIRE AND EMERGENCY RESPONSE LETTER, DATED NOVEMBER 29, 2022

We reviewed retired Sonoma County Fire and Emergency Service’s Department Head Chief Vern Losh’s November 29, 2022 opinion letter on the Fire and Emergency Response for the Project Site. Losh summarized the fire risk and history for the Project site. We noted that fire data shows there have been three fires that have burned up to Faught Road at East Shiloh Road; the 1964 C. Hanly Fire, 2017 Tubbs Fire, and 2019 Kincade Fire.

<sup>3</sup> “Self evacuate” means to leave without being ordered to leave, such as when a no notice-fire occurs.

<sup>4</sup> The Sonoma County Alert and Warning Annex discusses this in “Appendix A: Communication System Hazards.”



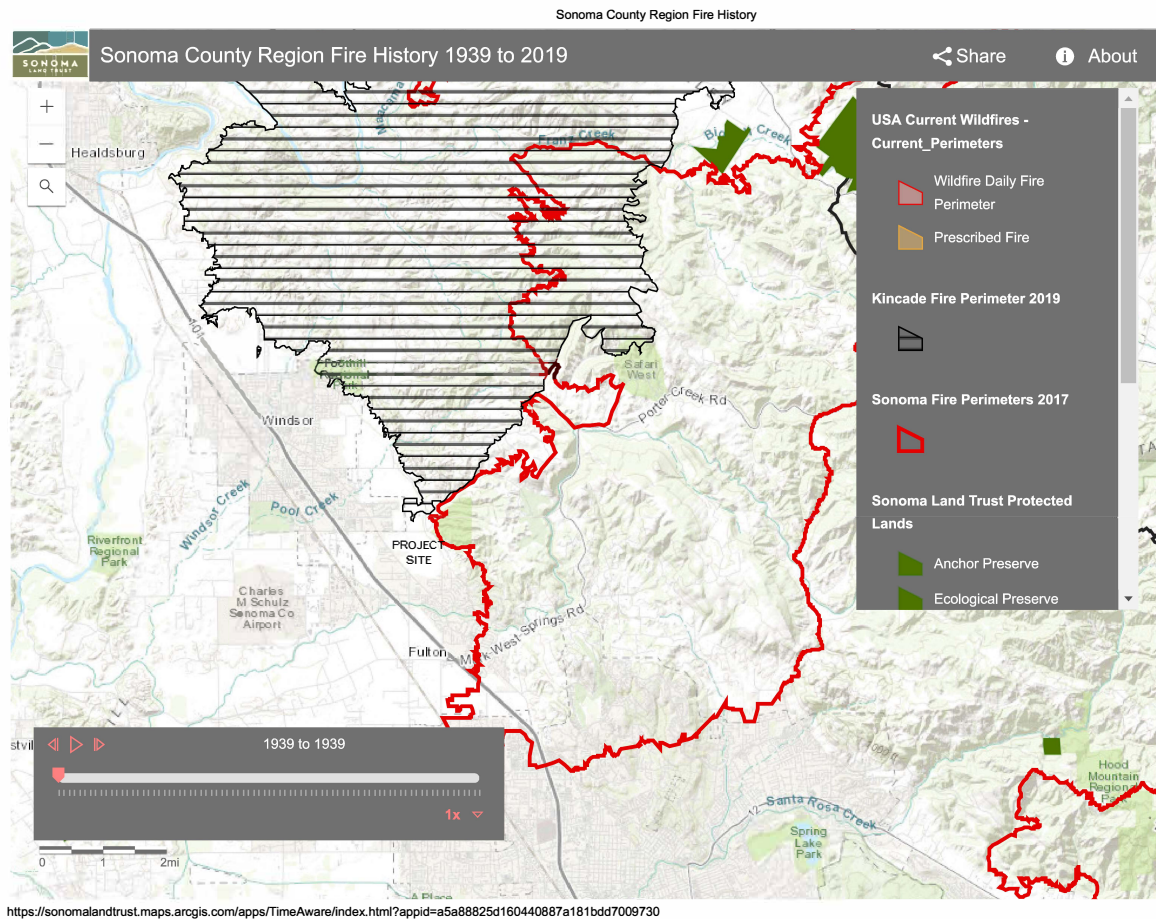
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The following illustration depicts the 2017 Tubbs Fire and 2019 Kincadee Fire in relation to the Project Site. The 1964 C. Hanly Fire burned in a similar footprint as the Tubbs Fire; specifically, near the Project Site.

## SONOMA COUNTY REGION FIRE HISTORY<sup>5</sup>



\*\*\*INTENTIONALLY BLANK\*\*\*

<sup>5</sup> This map can be located here: <https://sonomalandtrust.maps.arcgis.com>



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## RECOMMENDATIONS

Based on our evaluation and experience from the law enforcement perspective, we have the following recommendations for wildfire evacuations for the Shiloh Resort and Casino:

### 1. Alert and Warning Notifications

***We recommend Shiloh Resort and Casino executives and senior management staff working at the Resort and Casino subscribe to and monitor local emergency Alert and Warning Notification Systems. There should always be executive and management staff present who fulfill this role and are responsible for emergency evacuations.***

Executive and management staff should be trained and understand the local emergency alert and warning systems. By subscribing to and monitoring the alert and warning systems, executive and management staff will be apprised of immediate disaster information and be able to assist guests in proper safety instructions. Alert and Warning Notification Systems are one of the most important aspects of emergency preparedness. For this above recommendation, the following are the notification systems executive and management staff will subscribe to and monitor or have knowledge of:

#### **A. *Wireless Emergency Alert (WEA)***

The Wireless Emergency Alerts system is an essential part of America's emergency preparedness. Since its launch in 2012, the WEA system has been used more than 70,000 times to warn the public about dangerous weather, missing children, and other critical situations; all through alerts on compatible cell phones and other mobile devices.

WEA is a public safety system that allows customers who own compatible mobile devices to receive geographically targeted, text-like, messages alerting them of imminent threats to safety in their area. WEA enabled devices can receive a brief text message along with a unique tone to specific areas over cell phones and other communication devices. This is a message forced out to these communication devices in a specific area. Most people have had exposure to this system when an Amber Alert comes to their cell phone.

Executive and management staff at the Shiloh Resort and Casino will ensure WEA is enabled on their cellular phones.

#### **B. *SoCoAlert***

SoCoAlert is a local emergency warning system capable of sending out automated messages to phones, text, email, and TDD (telecommunications device



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for the deaf) systems. This is an opt-in system that generally requires people to sign-up to receive alert notifications. It is one of Sonoma County's primary alert systems.

Executive and management staff will sign-up to receive SoCoAlert notifications thru email, SMS text, and phone calls.

### **C. Nixle**

Nixle is another notification system used locally for emergency. Nixle is used by Sonoma County in addition to SoCoAlert. Executive and management staff would be required to register with Nixle in order to receive alert notifications. The Nixle registration system is simple and user friendly, one can text the Zip Code they want warning for to "888777" and the system is activated.

Based on our early evacuation recommendations, executive and management staff at the Resort and Casino would need to know their Sonoma County evacuation zones and monitor Nixle for Alert and Warning notifications.

### **D. NOAA Weather Radio (NWR)**

Working with the Federal Communications Commission's Emergency Alert System, NOAA Weather Radio is an "all hazards" radio network, making it the single source for the most comprehensive weather and emergency information available to the public. It broadcasts warning and post-event information for all types of hazards; Both natural (such as fires, earthquakes and tsunamis) and technological (such as chemical releases or oil spills). Certain NOAA Weather radios have battery backup power and the capability to send out a tone and an emergency alert even if the radio is turned off. These radios also have strobe lights and vibrating pillow accessories that can be added to the NOAA radio for ADA compliance.

NOAA radios with alert capabilities should be located in executive and management staff office spaces, to be able to monitor NOAA radio in case of an infrastructure failure due to wildfire or another disaster.

### **E. Hi-Lo Sirens**

Hi-Lo sirens have been adopted by local jurisdictions as an emergency signal. The Hi-Lo siren is broadcast from patrol cars, giving first responders the ability to drive thru a neighborhood notifying large groups of people quickly that there is an emergency. The Hi-Lo siren will only be used during an emergency where people need to act. Upon hearing the Hi-Lo siren, community members are to act, by paying attention to first responder's instructions, seeking out information via news sources, and checking their surroundings.





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Executive and management staff at the Shiloh Resort and Casino will need to know about Sonoma County's Hi-Lo siren program to be able to provide evacuation information to guests and visitors.

#### ***F. Other Emergency Related Apps and Websites***

There are several applications and websites that provide emergency information related to wildfire and other disasters, such as Watch Duty, Alert Wildfire Camera Network, Pulse Point and Perimeter (a new system Sonoma County has purchased but is not fully functional yet).

Executive and management staff can use these Apps as helpful tools for situational awareness if they choose. However, these are not replacements for official government notifications. It is critical that executive and management staff use government Alert and Warning notification systems for reliable and consistent evacuation information.

#### ***2. Register Phone Lines with SoCoAlert***

***We recommend that primary phone lines into Shiloh Resort and Casino be registered with SoCoAlert.***

If SoCoAlert sends an emergency notification for the area including Shiloh Resort and Casino, all phones registered will automatically receive a phone call with the emergency notification<sup>6</sup>.

#### ***3. Red Flag Warning and Fire Weather Watches***

***We recommend that Red Flag Warnings and Fire Weather Watches information be posted so visitors and guests will be apprised of the high fire danger conditions.***

The Nation Weather Service issues Red Flag Warnings and Fire Weather Watches to alert fire departments and communities of the onset, or possible onset, of critical weather and dry conditions that could lead to rapid or dramatic increases in wildfire activity.

Red Flag Warnings are the highest alert to fire danger. These warnings pertain to weather which may cause extreme fire behavior within the next 24 hours.

A Fire Weather Watch, one step below a Red Flag Warning, is issued when weather conditions could exist in the next 12-72 hours. The type of weather patterns that can cause a warning or a watch include low humidity, strong winds, dry fuels, the possibility of dry lightning strikes, or any combination thereof.

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<sup>6</sup> If this is possible based on the communication's system used for the Project.



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Staff, guests, and visitors should be apprised of the conditions of critical fire danger in the area. Educating guests and visitors about Red Flag Warnings and Fire Weather Watches creates better “situational awareness,” which is the foundation of evacuation preparedness.

Executive and management staff can easily obtain weather condition information from the National Weather Service or directly contacting the Windsor Fire Department. This critical fire danger information can simply be posted on site at entrance/exit locations.

#### 4. Efficient Project Design for Mass Evacuation

***We recommend traffic engineers review the design of the Project Site parking locations and entrance/exit locations to determine the most efficient plan for mass evacuation of vehicles from the Project Site.***

To determine the timeline to an early evacuation, it is important to know traffic data for the property and existing roadways that would potentially be used during an evacuation. In review of the conceptual site plan, there appears to be two entrance/exits points for the parking structure<sup>7</sup>. Additionally, the Project Site has three entrance/exit points.

The basis of this recommendation is to ensure the Project Site has considered mass evacuations of vehicles from the Project Site in the most efficient manner possible. Some of the questions that could provide more insight are:

- Would it be beneficial to add additional entrances/exits for the parking structure?
- What are the most efficient routes for vehicles to exit the property during a mass evacuation? Should there be one-way routes to split traffic during an evacuation?
- Would more entrance/exit locations and designated evacuation routes within the property increase evacuation efficiency?

#### 5. Cumulative Impacts

***We recommend evaluating the scale of the Shiloh Resort and Casino evacuation impact along with other proposed projects in the area.***

Traffic engineers should evaluate traffic conditions based on the cumulative impacts of known or planned projects in the area. Any additional known or proposed project should be considered in determining the evacuation impacts of the Shiloh Resort and Casino and surrounding community.

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<sup>7</sup> Acorn Environmental coordinated with the architect who indicated that, preliminarily, the smaller entrance/exit was one lane in and one lane out. The larger (main entrance/exit) was two lanes in and three lanes out.



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## 6. Regular Evacuation Trainings

***We recommend staff and management train on evacuation procedures for guests and visitors as part of their new hire orientation. Additionally, all staff should receive updated evacuation procedures training annually.***

The best of plans will fail if training is not a considerable component of the plan. The training should include tabletop exercises<sup>8</sup> facilitated by qualified personnel. Designated staff should be comfortable handling evacuations of the Shiloh Resort and Casino and communicating with guests and visitors about situations during emergency conditions. Staff should be familiar with all evacuation routes and be able to direct traffic for evacuees out of the Project site.

## 7. Internal Alert and Warning Systems

***We recommend staff have methods to notify guests that don't rely on government notification systems.***

As early evacuation will be a strategy for this project, staff may need to evacuate the property long before a government notification. Staff will need methods to notify guests that don't rely on government notification systems. Resort staff will need a system to be able to notify guests through their mobile devices using guest phone numbers and other information obtained during the check-in process. However, in the case of infrastructure failure, will need to use public address systems on the property, phone calls to the resort rooms, PA broadcasts, or in-person (door-to-door) notifications.

***We recommend AM/FM radios with battery backup power be in each room of the Hotel, and in various locations within the Casino and Hotel where staff can monitor.***

In addition to using technology devices like special apps on guest's phones and public address systems, AM/FM radios should be integrated into these alert and notice plans. In past fires, we quickly lost infrastructure that eliminated cell phone and internet connection for many people. Traditional radio remained the most reliable communication system. Staff should monitor radios as well as the other networks.

***We recommend designated staff have handheld portable radios for communication during an emergency.***

Staff will take an active role communicating public safety information to guests during an emergency. Because of the possible infrastructure failures discussed above, staff should have

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<sup>8</sup> Tabletop exercises are discussion-based sessions where team members meet in an informal setting, such as a classroom or conference room, to discuss their roles during an emergency and their responses to a particular emergency situation. A qualified facilitator guides participants through a discussion of one or more scenarios.



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handheld radios to communicate to each other during evacuations and to direct guests and visitors off the property safely and efficiently. This method of communication is in addition to direct notifications of property owners and guests via Nixle, SoCoAlerts and the WEA system<sup>9</sup>, and will augment official government notifications in the event of a fire or other emergency.

The Resort and Casino will have significant back-up generator power to keep emergency radios and other powered devices operational during an emergency.

## 8. Exit Route and No Parking Signage

***We recommend all intersections on the Shiloh Resort and Casino property include signage that clearly indicates the exit route from the property to major evacuation routes such as Old Redwood Highway and Shiloh Road to Highway 101.***

Signage on the property should clearly indicate the direction traffic should go during an evacuation. In addition, staff should be trained and able to direct traffic according to the most efficient exit off the property as designed based on the results of recommendation #4 (Efficient Project Design for Mass Evacuation).

***We recommend no parking signage on all the ingress/egress roadways within the Resort and Casino property.***

Ingress and egress roads during an emergency are critical to evacuate visitors and guests and provide access for first responders to enter the property. Parking should not be allowed on these roads to maintain open ingress/egress access. Proper signage indicating no parking should be displayed on these roads.

## 9. Early Evacuation and Traffic Analysis

***We recommend an analysis of the available science on traffic modeling and evacuation times be conducted specific to this area, including a review of Sonoma County's upcoming Evacuation Route Analysis<sup>10</sup> work with Fehr and Peers, Traffic Engineers.***

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<sup>9</sup> "WEA" stands for Wireless Emergency Alert System, which forces notifications to cellphones in the area, irrespective of where the cell phone originated.

<sup>10</sup> As part of its Public Safety Element Update to the General Plan, the County of Sonoma has hired Fehr and Peers, traffic engineers, to perform an Evacuation Route Analysis within the County. This analysis will include among many things, an assessment of roadway capacity under described scenarios, an identification of evacuation routes and an identification of critical evacuation zone groups. This plan is discussed in detail in the County of Sonoma Board of Supervisors Resolution September 13, 2022 meeting, Resolution Number 2022-0916, Attachment 1, draft Professional Services Agreement, Task S-4.3, Evacuation route Analysis.



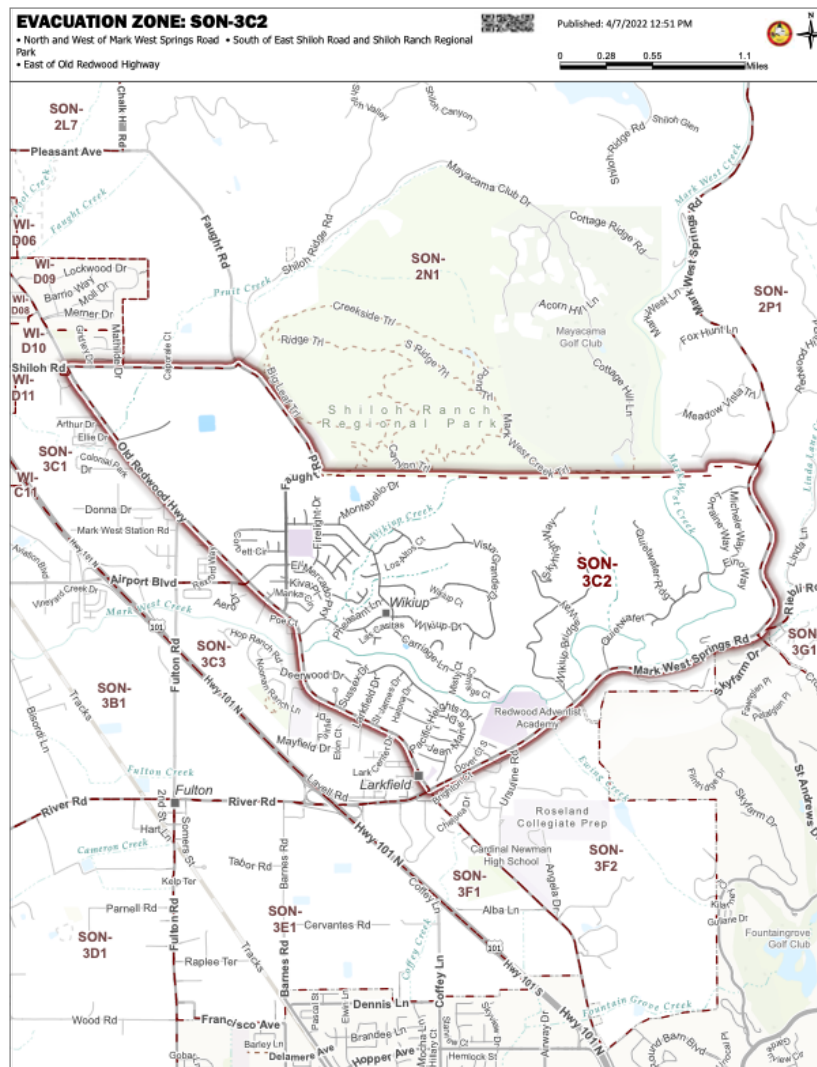
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Early evacuation is a very effective tool in the event of a wildfire. Certain developments can benefit from this strategy. This Project places a large guest population between the Town of Windsor and the City of Santa Rosa (approximate population of over 200,000 people combined). The logical and most efficient evacuation routes out of this area are north and south on Old Redwood Highway and Highway 101. This is a populated area and any evacuation in this area will create traffic congestion and delays - a natural part of evacuations. The goal is preservation of life. Early evacuation is an excellent tool to increase the effectiveness and safety of the evacuation. An example of early evacuation would be requiring the Resort and Casino to close all operations and evacuate when any adjacent evacuation zone receives an Evacuation Warning or Order.

The County of Sonoma and incorporated cities have established standardized evacuation zones. The Project Site is in Sonoma County Evacuation Zone SON-3C2.







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These pre-determined evacuation zones allow for efficient and managed evacuations during an Evacuation Warning or Order. These predetermined evacuation zones, along with the current alert and warning systems, have improved evacuation efficiency during wildfires. These zones, with knowledge of traffic modeling data, provide a method to make an early evacuation recommendation.

To evaluate an early evacuation strategy for this project, we'll need to quantify travel times under various scenarios, consider capacity of roadways, and the timing for community evacuations.

#### 10. Consultations with Local Emergency Response Officials

***We recommend evacuation and fire experts consult with local law enforcement, fire departments, and emergency management officials to ensure that any assumptions and conclusions regarding evacuation risk are substantiated.***

The following is a list of the local law enforcement agencies within the Resort and Casino jurisdiction. The proposed Project resides within the unincorporated area of the County of Sonoma but is within the sphere of influence for the Town of Windsor.

**A. Sonoma County Sheriff's Office (Main Office)**  
2796 Ventura Avenue  
Santa Rosa, CA 95403

**B. Town of Windsor Police Department<sup>11</sup>**  
9291 Old Redwood Hwy  
Windsor, CA 95492

**C. California Highway Patrol – Santa Rosa Office**  
6100 Labath Avenue  
Rohnert Park, CA 94928

#### 11. Evacuation Strategy During Construction Phase

***We recommend an evacuation strategy be conducted for the construction phase of the Shiloh Resort and Casino.***

During construction of the Resort and Casino, it will be imperative that construction crews know and understand evacuation procedures, fire prevention plans, and Alert and Warning Notification Systems. The planning/recommendations for construction should entail similar evacuation strategies as

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<sup>11</sup> The Town of Windsor contracts with the Sonoma County Sheriff's Office for police services.



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adopted for the Resort and Casino but more specific to the construction industry. These plans/recommendations should be included in the General Contractors Site-Specific Emergency Action and Evacuation Plans.

A handwritten signature in black ink, appearing to read 'Rob Giordano', written over a horizontal line.

Robert Giordano

11/30/22

Date

A handwritten signature in black ink, appearing to read 'Clint Shubel', written over a horizontal line.

Clint Shubel

11/30/22

Date

Attachments:

1. Rob Giordano CV
2. Clint Shubel CV



CURRICULUM VITAE  
for  
**ROBERT GIORDANO**  
CAS Safety Consulting, LLC  
3558 Round Barn Blvd. Suite 200  
Santa Rosa, CA 95401  
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Email: rob@cassafetyconsulting.com

**OVERVIEW**

I began my law enforcement career in 1989 and progressed from a police officer to serving as the Sheriff for Sonoma County. The 2017 Sonoma Complex fires, which included the Tubbs, Nuns, and Pocket fires, occurred during my tenure as the Sonoma County Sheriff. At the time, these were the worst fires in the history of California and still rank among the most significant wildfire disasters in our state. The Sonoma Complex Fires consisted of seven major fires that merged into three large fires and burned over 100,000 acres. Over 100,000 people were evacuated during these fires.

As Sheriff, along with my Assistant Sheriff, Clint Shubel, we were responsible for evacuations in response to these wildfires and other aspects of the disaster response. As a result of the 2017 fires, I gained a valuable, first-hand understanding of large-scale disaster management, including wildfire evacuations. Wildfire evacuations throughout the state changed significantly after this event-spurring an evolution of evacuation and notice improvements. The United States Congress, California State Legislature, and several local groups recognized my leadership and contributions to the community during the 2017 fires.

**WORK EXPERIENCE**

Member-CAS Safety Consulting, LLC May 2022 to Present  
Consultant providing expertise in evacuation safety specifically in wildfire preparedness. Working with builders to comply with CEQA regulations and make developments safer.

Owner-R. Giordano Consulting & Investigations, LLC 2019 to Present  
Provides outside investigative services to government agencies, specifically in employment issues. This includes looking at alleged misconduct in the use of force, unlawful harassment, and racial bias. Completing over 60 investigations for Sheriff's Offices and Police Departments in Northern California. The firm also consults in all areas of law enforcement policy, procedure, and administration to include expert witness consultation.

Sheriff-Sonoma County Sheriff's Office 2017-2018  
After the early retirement of the elected sheriff, I was appointed by the Board of Supervisors, through a selection process, as the Sheriff. Responsible for the complete management and control of the Sonoma County Sheriff's Office which included 650 employees, two detention facilities



(that housed on average 1000 inmates a day), state courthouse security, and law enforcement services for the unincorporated area of Sonoma County (including two contract cities). Managed a budget of over 160 million dollars. Decision maker and public representative for all civil litigation involving the Office. Developed and maintained working relationships with government and non-governmental agency leaders including a civilian auditor of the Office. Made several key decisions in significant personnel investigations involving discipline. Testified on behalf of the Office in litigation and civil service hearings. Recognized for my leadership during the 2017 firestorm that devastated Sonoma County, burning over 100,000 acres, and resulting in the evacuation of 100,000 people. Conducted numerous public presentations where I was able to educate the public on Sheriff's Office policy and procedure including the implementation of a controversial immigration policy. Media spokesperson for the Office during significant events.

Assistant Sheriff-Sonoma County Sheriff's Office 2014-2017

Oversight and management of the Law Enforcement Division of the Sheriff's Office, which included the following bureaus and units; Court Security, Transportation, Patrol Services, Helicopter, Marine, Investigations, Coroner's Office, Central Information Bureau, Information Technology, Telecommunications, and the law enforcement contracts for the Town of Windsor and City of Sonoma. Represented the Sheriff in public events and managed the Sheriff's Office in his absence. Responded to and implemented recommendations from a Community and Law Enforcement Taskforce that came about after one of our deputies shot a 13-year-old who displayed a replica firearm. This response and implementation included the creation of a Civilian Auditor's Office to review Sheriff's Office work and the format in which the Office would work with the Auditor's Office. Led numerous public presentations on Sheriff's Office policy and procedure. Represented the Office in civil litigation. Oversaw our response to significant civil disobedience as a result of the shooting. Implemented a body-worn camera program. Managed and expanded our public communications presence, including social media presence and the hiring of a Community Engagement Liaison. Initiated and oversaw the re-development of the helicopter safety program after deficiencies were found. Conducted due process discipline appeals, such as "Skelly" hearings.

Sheriff's Captain-Sonoma County Sheriff's Office 2012-2014

Operations Captain responsible for all uniformed personnel in the Sheriff's Office. The Patrol Division handled 100,000 calls for service a year. Managed significant incidents such as large civil disobedience events and overall patrol operations response. Tasked with decision-making in the hiring process and the personnel investigation process. Developed and maintained the security agreement and relationship with the largest Indian gaming casino in northern California. Responsible for all patrol operations specialty units including; the Special Weapons and Tactics Team, Helicopter and Search and Rescue, Marine Unit, Tactical Response Team, and Court Security (including its relationship with the State Court system). Responsible for the deployment of public safety resources to best protect the community. Responsible for labor relations with the Deputy Sheriffs' Association. Chair of the CALGANG Executive Board, 2013/2014.

Sheriff's Lieutenant-Sonoma County Sheriff's Office 2006- 2012

Managed the Personnel and Internal Affairs Bureaus. These bureaus were responsible for all hiring, background investigations, injured employees, safety programs, internal affairs



investigations, and litigation management. Gained a strong working knowledge of the Peace Officer Bill of Rights and government labor law as it relates to hiring, discipline, and terminations. Managed, reviewed, and conducted personnel investigations including; discrimination and harassment, use of force, sexual conduct in detention facilities, abuse of authority, improper evidence handling, and other inappropriate employee behavior allegations. Managed and reviewed background investigations. Coordinated discovery requests in civil litigation. Managed the development of our “Brady” policy—the policy that dealt with what information must be released during criminal cases from peace officer personnel records. Sheriff’s Office representative in court for “Pitchess Motions.” This involved the court hearings that deal with what information must be released from peace officer personnel records for the defense. Participated in employee interactive process meetings for injured employees. Managed the Investigations Bureau consisting of seven investigative units including the Coroner’s Office. Responsible for budget management and all personnel decisions of these units. This role also required extensive collaboration with outside law enforcement agencies including the District Attorney’s Office in the investigation of several officer-involved shootings, by far the most critical of investigative cases. Represented the Sheriff’s Office in court cases regarding Sheriff’s Office policy and procedure relative to criminal investigations.

Sheriff’s Sergeant-Sonoma County Sheriff’s Office 2003-2006

Violent Crimes Unit supervisor responsible for the supervision of the detectives handling assault, robbery, and homicide cases. Supervised the Domestic Violence/Sexual Assault unit, responsible for a team of detectives investigating Sexual Assault, Domestic Violence, and Child Abuse cases. Sheriff’s Office representative for Sonoma County’s Domestic Violence Death Review Team and the County’s Sexual Assault Response Team. Firstline supervisor responsible for a team of deputies and detectives. Supervised a patrol team responsible for frontline emergency response and law enforcement services. Management and development of personnel assigned to me. Responsible for the training and transition to the new automated report writing and records system.

Deputy Sheriff-Sonoma County Sheriff’s Office 1996-2003

A detective assigned to the Domestic Violence/Sexual Assault Unit. Responsible for the investigation of sexual assault cases, domestic violence cases, and child abuse cases. Carried an ongoing regular caseload of over 30 cases. Interviewed and interrogated individuals who were involved in these cases. Wrote detailed reports covering all aspects of the investigation. Testified numerous times in court for criminal cases. Worked closely with non-governmental organizations assisting victims, including the YWCA (providing services to victims of domestic violence) and Verity (providing services to victims of sexual assault). Board member of the Sonoma County Child Abuse Prevention Council for four years. Conducted training presentations on domestic violence and sexual assault for nonprofit groups and state child abuse employees. Managed the internship program in the Domestic Violence/Sexual Assault Unit. Responsible for frontline emergency response as a deputy sheriff assigned to patrol. Handled a wide range of investigative work, community problem solving, and basic law enforcement. Trained other patrol deputies in how to provide service for the Sheriff’s Office.





Police Officer/Investigator-City of Pittsburg Police Department 1989-1996

A detective assigned to general crimes and ultimately worked robbery/homicide. Performed general duties of a patrol officer including traffic enforcement. Responsible for the investigation of all crimes and general law enforcement in the city. Member of the Special Weapons and Tactics Team. Field training officer responsible for training new officers.

**RETAINED AS AN EXPERT**

2019 Retained as a law enforcement expert by Greg Thomas and Temitayo O. Peters, of Burke Williams and Sorenson, LLP (attorneys representing San Joaquin County) to offer my opinion related to a lawsuit stemming primarily from a law enforcement response to a courthouse protest-Black Lives Matter vs. San Joaquin County Sheriff's Office

**SELECT COURSES ATTENDED**

2017	Calibre Press Constitutional Use of Force, 8 hours
2015	California Peace Officers Association Labor Law Legal Update, 8 hours
2013	California Peace Officers Association Labor Law Legal Update, 8 hours
2012	Peace Officer Standards and Training Executive Development Course, 80 hours
2011	California Peace Officers Association Labor Law Legal Update, 11 hours
2011	Systems for Public Safety Background Investigations Commanding Officer Legal Update, 24 hours
2009	Americans For Effective Law Enforcement Discipline and Internal Investigations, 20 hours
2009	California Peace Officers Association Pitchess Motions, 6.5 hours
2009	California Peace Officers Association Peace Officer Bill of Rights Update, 6 hours
2007	Dr. Kevin Gilmartin Leadership Training, 8 hours
2007	California State University Long Beach Management Course, 104 hours
2005	San Jose State University Internal Affairs Investigations, 21 hours
2004	California Department of Justice Officer-Involved Shooting School, 36 hours
2004	Rohnert Park Department of Public Safety Critical Incident Response for Law Enforcement Managers, 32 hours
2004	Dr. Kevin Gilmartin



	Emotional survival for law enforcement, 8hours
2003	Santa Rosa Junior College
	Law Enforcement Supervisory Course, 80 hours
2003	Napa Junior College
	Field Training Officer School, 40 hours
2002	Sonoma County Sheriff's Office
	Basic Rifle Course, 24 hours
2000	Behavior Analysis Training Institute
	Interview and Interrogation Techniques, 40 hours
2000	California Sexual Assault Investigators Association Conference, 28 hours
2000	Family Violence and Sexual Assault Institute
	International Conference on Family Violence, 32 hours
2000	California Sexual Assault Investigators Association Conference, 18 hours
2000	Child Abuse Prevention Councils of Sonoma, San Francisco, Napa, and Marin
	Child Abuse Prevention Conference, 16 hours
1999	National College of District Attorneys
	National Conference on Domestic Violence, 24 hours
1999	California Sexual Assault Investigators Association Conference, 28 hours
1999	Reid and Associates
	Interview and Interrogation, 24 hours
1999	San Jose State University
	Sexual Assault Investigation, 36 hours
1999	Alameda County Sheriff's Office
	Plain Clothes Officer Safety, 24 hours
1999	Child Abuse Prevention Councils of Sonoma, San Francisco, Napa, and Marin
	Child Abuse Prevention Conference, 16 hours
1999	San Diego Regional Training Center
	Domestic Violence First Responder, 8 hours
1995	Los Medanos Criminal Justice Training Center
	Investigation of Officer Involved Fatal Incidents, 16 hours
1995	Los Medanos Criminal Justice Training Center
	Search and Arrest Warrants, 28 hours
1994	Behavior Analysis Training Institute
	Interview and Interrogation Techniques, 40 hours
1994	San Joaquin Delta College
	Advanced Special Weapons and Tactics, 40 hours
1993	San Jose State University
	Robbery Investigation, 24 hours
1991	Los Medanos Criminal Justice Center
	Homicide Investigation, 40 hours
1989	Los Medanos Criminal Justice Training Center
	Basic Police Academy



## **FORMAL TRAINING PRESENTATIONS CONDUCTED**

2022	California Police Chiefs Association Annual Symposium Pros and Cons of Using Outside Investigators to Conduct Internal Affairs Investigations
2018	California Police Chiefs Association Annual Symposium Crafting Your Message in a Crisis: How to effectively communicate in a natural disaster and be the voice of calm in your community
2018	California Police Chiefs Association Annual Symposium Panel Member: Response to Disasters-2017 North Bay Firestorm
2018	California State Sheriff's Association Conference Panel Member: Response to Disasters-2017 North Bay Firestorm

## **CERTIFICATES**

California State Private Investigators License	Awarded October 2019	License # PI188829
POST Advanced	Awarded September 2005	Certificate #A71776
POST Intermediate	Awarded May 2001	Certificate #70417
POST Basic	Awarded January 1991	Certificate #63190

## **PROFESSIONAL ASSOCIATIONS**

California State Sheriff's Association  
California Peace Officers Association  
Peace Officers Research Association of California  
Formerly -California Sexual Assault Investigators Association

## **AWARDS AS SHERIFF**

Recognized by the United States Congress and the California Legislature for leadership of the Sonoma County Sheriff's Office, specifically related to leadership during the 2017 firestorm.



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## **CURRICULUM VITAE**

### **BACKGROUND**

I started my career in Law Enforcement in 1994 as a Police Officer with the City of Sausalito, California. In 1997, I began working for the Sonoma County Sheriff's Office as a Deputy Sheriff. I progressed through the Sheriff's Office ranks and ultimately retired as Assistant Sheriff for the Law Enforcement Division in 2019.

I have extensive experience in policing, law enforcement management, and law enforcement administration. Most of my experience in law enforcement was spent in operational capacities, such as patrol operations, tactical planning, and emergency management. I have testified in court and administrative hearings. I have specialized experience in tactical planning for pre-planned, no-notice incidents and emergency situations such as wildfire evacuations.

In 2017, Sheriff Rob Giordano and I managed the Sonoma County Sheriff's Office disaster response during the Sonoma County Complex Wildfires. The fires consisted of seven fires that merged into three major firestorms known as the Tubbs, Nuns, and Pocket fires. These fires burned over 100,000 acres and required over 100,000 people to evacuate. The Sonoma County Complex Fires still rank as one of the most devastating wildfire disasters in California.

During the Complex Fires, I was assigned as the Department Operations Center (DOC) Incident Commander for the Sonoma County Sheriff's Office. I was responsible for patrol operations, Mutual Aid, evacuations or rescue missions, repopulating residents, missing persons investigations, and Coroner mass fatality investigations. I worked and coordinated with other governmental agencies, such as Sonoma County Emergency Management, Cal-Fire, FEMA, the Sonoma County Board of Supervisors, and other Sonoma County departments. In my leadership role, I worked with a team of highly experienced and knowledgeable professionals. It was the team environment and trust in one another that helped with our successes during this unpredicted natural disaster.

I have managed and planned incidents to protect the peace in civil disobedience, hostage situations, barricaded subjects and predicted natural disasters (flooding, mudslides, etc.). I have held positions in the Emergency Operations Center for the County of Sonoma as the Operations Section Chief and Law Enforcement Branch Manager.

### **PROFESSIONAL EXPERIENCE**

**2022 – Present Member/Owner**  
*CAS Safety Consulting, LLC.*

I perform safety consulting services and expert witness testimony for emergency disaster evacuations, specifically related to wildfire evacuations. I work with developers to comply with the California Environmental Quality Act (CEQA) land use laws by providing sound recommendations on wildfire evacuations. I also conduct safety inspections and audits for



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developers to ensure recommended evacuation plans are in compliance during the construction phase of project.

**2019 - Present Health and Safety Coordinator**

*Stockham Construction, Inc.*

After retiring from law enforcement, I was hired to help develop health and safety programs for the company which includes:

- Plan and develop programs to prevent injury and illness to workers
- Analyze data to help determine best course of action to mitigate further injuries
- Prepare reports for injuries, job hazard analysis, annual audit reports, and task planning
- Develop and review policies and procedures, emergency action plans, insurance records, and pre-qualification documents
- Train staff on health and safety procedures, equipment and tools, and driving safety
- Participate in hearings when needed for Cal/OSHA offenses.

**2017-2019 Assistant Sheriff**

*Sonoma County Sheriff's Office*

I was appointed by two different Sheriffs to serve in the Law Enforcement Division. Duties and responsibilities included:

- Oversaw law enforcement operations for the Sonoma County Complex Fires natural disaster
- Oversight and management of the Law Enforcement Division, which included the following bureaus and units: Court Security, Transportation, Patrol Services, Helicopter, Marine, Investigations, Coroner's Office, Central Information Bureau, Dispatch, Information Technology, Telecommunications, and the law enforcement contracts for the Town of Windsor and City of Sonoma
- Represented the Sheriff in public events and managed the Sheriff's Office in his absence.
- Responded to and implemented recommendations from a Community and Law Enforcement Taskforce
- Worked in coordination with Civilian Auditor's Office to review Sheriff's Office complaints and investigations
- Led numerous public presentations on Sheriff's Office policy and procedure
- Worked with Risk Management and participated in settlement conferences in civil litigation matters
- Conducted due process discipline appeals, such as "Skelly" hearings

**2014 -2017 Sheriff's Captain**

*Sonoma County Sheriff's Office*

I served as both the Operations Captain and the Administrations Captain. The Operations Captain was responsible for all uniformed personnel in the Sheriff's Office, including the Patrol Division, the Special Operations Unit, Tactical Response Team, the Helicopter Unit, Search and Rescue Team, and the Marine Unit Dispatch, and Court Security. The Administrations Captain was responsible the Investigation Bureau, Civil Bureau, Internal Affairs, Telecommunication Unit, Central Information Bureau, and Information Technology Unit. In this position, I gained a strong





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working knowledge of the Peace Officer Bill of Rights and government labor law as it relates to hiring, discipline, and terminations.

There were about 233 sworn deputies and another 107 civilian staff members in the Law Enforcement Division. The Patrol Division handled approximately 100,000 calls for service a year. In addition, my duties included:

- Managed public communications, including social media, and the hiring of a Community Engagement Liaison
- Managed significant incidents such as large civil disobedience events and overall patrol operations response
- Tasked with decision-making in the hiring process and the personnel investigation process
- Maintained the security agreement and relationship with the largest Indian gaming casino in northern California
- Responsible for the deployment of public safety resources to best protect the community
- Responsible for labor relations with the Deputy Sheriffs' Association

#### **2011-2014 Sheriff's Lieutenant**

*Sonoma County Sheriff's Office*

I managed and supervised the Sheriff's Office patrol sergeants. I conducted performance evaluations on Sergeants and investigated citizen complaints against Deputy Sheriffs. I was responsible for the research and development of the Body-Worn Camera Program. I presented the program to the Board of Supervisors to obtain additional funding to procure the cameras. Other duties included:

##### **Court Security Lieutenant – 2012 to 2014**

- Ensured the Sonoma County Courts had staffing as required by law
- Managed the budget and supervised Court Security Sergeants
- Worked with the Presiding Judge(s) on policies and procedures

##### **Special Operations Unit Commander - 2011-2014**

- Overall Incident Commander for the SWAT team, Tech Team, and Crisis Negotiations team
- Managed high-risk incidents such as hostage situations, barricaded subjects, and emergency rescues
- Responsible for reviewing and approving tactical and evacuation plans, and after-action reports

#### **2009-2011 Detective Sergeant, Coroner's Office**

*Sonoma County Sheriff's Office – Coroner's Bureau*

Managed and supervised a team of Coroner detectives, a clerical staff, and a contracted pathologist. My duties included:

- Managed the Coroner's Bureau administration and operational functions that expended \$2.3 Million annually



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- Fostered and maintained relationships with the media, vendors, and multiple law enforcement agencies in the county
- Created a "Coroner's Best Practices Manual", a statistical database, and implemented several staffing and operational changes in the Coroner's Bureau
- Responsible for meeting with physicians within the county to present on death investigations and death certificates
- Developed mass fatality policies and procedures

#### **2006-2009 Sheriff's Sergeant**

*Sonoma County Sheriff's Office*

I supervised a team of Deputy Sheriffs during the performance of their regular duties on patrol or in special assignments. I was responsible for development of Deputy Sheriffs for future growth within the office, including yearly performance evaluations. In addition, I held the following collateral assignments:

##### *Sonoma Police Department – 2007 to 2009*

- Sergeant for the Sonoma Police Department, a contract city for the Sheriff's Office
- Supervised and trained the team of Sonoma Police Officers
- Routinely worked with the City of Sonoma, department leaders and city council
- Developed the Emergency Operations Plan for the City of Sonoma Emergency Operations Center

##### *S.W.A.T. Team – 2007 to 2009*

- Tactical Team Leader for the SWAT team
- Held the Command-and-Control function for specific units within the SWAT team
- Developed and implemented new training records, after-action reports, and operational plans
- Responsible for developing the action plan with the team on SWAT assignments

#### **2004-2006 Detective, Investigations Bureau**

*Sonoma County Sheriff's Office*

- Assigned to Violent Crimes Investigation
- Investigated violent crimes and officer-involved critical incidents
- Assumed the role of lead investigator on several homicides and an officer-involved fatal incident
- Managed large caseload and complex investigations

#### **1997-2004 Deputy Sheriff**

*Sonoma County Sheriff's Office*

- Performed the regular duties as a Deputy Sheriff assigned to the patrol division
- Patrol assignments included various schedules with the Roseland Community Orientated Policing project, Sonoma Valley Substation, and main office



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- Continually performed at “exceeds standards” or “outstanding” in evaluations from supervisors.

Special assignments and accomplishments have included:

Field Training Officer – 2000 to 2004

- On-scene supervisor for day-to-day operations
- Demonstrated one-on-one supervisory ability with deputies of varied experience
- Identify inadequacies in deputy trainees and adapt to fit the best needs of the deputy
- Reviewed reports for approval, prepared detailed documents of trainee performance, trained and motivated trainee to successful completion of the field-training program
- Remained up to date with case law, search and seizure, department policies and procedures, criminal statutes, and laws of arrest

S.W.A.T. Team – 2000 to 2005

- Embraced the “sense of team” concept
- Primary position on entry team element, but crossed trained in various positions on the team
- Have been involved in high-stress situations, such as “barricaded subjects” and “High-Risk” entries
- Ability to provide solutions to solve potentially dangerous situations
- Knowledgeable in weaponry, tactics, operational plans, hostage rescue tactics, barricaded subjects, vehicle assaults, high-risk search warrant protocol, diversionary devices, and less-lethal options

Tac-Team Member – 1999 to 2000

- Trained in civil disobedience control and tactics

Department Instructor – Ongoing throughout career

- Planned, organized, researched, and instructed officers from other county agencies on Missing Persons investigations. Developed and used a PowerPoint presentation as a teaching aid to assist in the instruction. This Missing Persons course was POST certified
- Citizens Academy instructor for S.W.A.T.
- Coordinated, developed, and instructed lesson plan for BLOC training in tactical responses
- Orientation instructor for newly appointed deputies in building search tactics and high-risk stops
- Coordinated and instructed S.W.A.T. training exercises with scenarios for outside agencies
- Certified Pepperball instructor and armorer. Assigned to maintain inventory, repairs, and provide training
- Developed an orientation class for newly appointed S.W.A.T. team members



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**1994-1997 Police Officer**

*City of Sausalito Police Department*

Performed the regular duties of a Police Officer. Conducted complete criminal investigations of all criminal statutes, traffic accidents, drunk driving, and city ordinance violations. Developed and coordinated police department Internet website. Developed and coordinated report forms for department. Special assignments and accomplishments included:

Officer-In-Charge

- Acted as duty supervisor when requested

Police Association President

- Worked in conjunction with the police department and city management on discipline, contract, and “meet and confer” issues
- Formulated 12-hour work schedule for patrol officers to assist management with budget constraints, hiring issues, and morale among officers

D.A.R.E. Instructor

- Coordinated D.A.R.E program at local elementary school
- Instructed students and provided characteristics of a positive role model
- Established community relations with teaching staff, students, and parents of students

Juvenile Officer

- Coordinated and supervised juvenile diversion program for the police department
- Responsible for acting as a liaison with Juvenile Probation
- Developed, supervised, and implemented juvenile procedure guidelines for police officers

Awarded “Officer of the Rotation” (1997)

- Nominated from co-workers, supervisors, and management

**EDUCATION**

**1996 California State University Sacramento / Santa Rosa Junior College**

*Associate of Arts Degree; General Education*

I attended Sacramento State University after graduating from Santa Rosa High School in 1988. While in college, I decided to become a police officer and put myself through the Police Academy at the Santa Rosa Junior College. In 1996, while working full-time as a Police Officer for the City of Sausalito, I returned to Santa Rosa Junior College to obtain my Associate of Arts degree.



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## **CERTIFICATIONS AND SPECIALIZED AWARDS**

### Peace Officer Standards and Training (POST) Certifications:

1992	Basic Law Enforcement Course, Santa Rosa Junior College	
1996	Basic Certificate	#B 80486
1998	Intermediate Certificate	#I 59212
2003	Advanced Certificate	#A 65212
2011	Supervisory Certificate	#S 81869
2014	Management Certificate	#M 28414

### Emergency Management Certifications:

2006	NIMS/SEMS Certifications
2007	ICS 300 & 400 Certification
2008	Introduction to Emergency Management: Earthquakes; Cal OES
2008	SEMS Introductory Course; Cal OES

### Specialized Awards:

2004	Sheriffs Excellence Award
2013	The Louis "Pete" Peterka Emergency Management Award; Sonoma County Emergency Management
2018	Gold Resolution Sonoma County Board of Supervisors for the 2017 Sonoma Complex Fires

## **SELECT TRAINING COURSES ATTENDED**

1994	Drug Abuse Recognition Investigations (11550 H&S); Santa Rosa Junior College
1995	Basic Traffic Accident Investigations; Los Medanos College
1996	Certified D.A.R.E Instructor; Los Angeles Police Department
1997	Domestic Violence Workshop; Sonoma County Sheriff's Office
1999	Advanced Drug Interdiction Course
2000	Field Training Officer School; Santa Rosa Junior College
2001	Basic S.W.A.T School; Los Angeles Sheriff's Special Enforcement Bureau
2002	Field Training Officer Update Course; Napa Training Academy
2003	Report Writing for Supervisors; Napa Training Academy





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2004	Pepperball Instructor and Armorer Course; Pepperball Technologies
2004	Distraction Devices Course; Armor Academy Training
2004	Hostage Rescue Tactics School; San Francisco F.B.I S.W.A.T
2005	Homicide Investigations; Robert Presley's Institute of Criminal Investigations
2005	Officer Involved Shootings Investigations; California Department of Justice
2005	Interview and Interrogations; Reid and Associates
2006	Officer Involved Shooting Investigations; Department of Justice
2006	Law Enforcement Supervisory Course; Santa Rosa Junior College
2007	Terrorism Concepts for Patrol Personnel; California Department of Justice
2007	Academy Instructor Course; Napa Valley Criminal Justice Center
2007	SWAT Team Leader Course; California Tactical Officers Association
2009	Coroner's Basic Death Investigations MOD A & B; Santa Ana Coroner's Office
2009	Coroner's Mutual Aid and Mass Fatality Planning; Cal E.M.A
2012	Management Course; CSU Long Beach

Appendix N-4  
Evacuation Mitigation Plan



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ROB@CASSAFETYCONSULTING.COM

February 19, 2024

Bibiana Sparks  
Acorn Environmental  
5170 Golden Foothill Parkway  
El Dorado Hills, CA 95762

RE: Evacuation Mitigation Plan - Shiloh Resort and Casino Project

Dear Bibiana Sparks:

The purpose of this letter is to provide our Evacuation Mitigation Plan based on the Evacuation Travel Time Assessment results by Fehr and Peers<sup>1</sup>. After review, CAS Safety Consulting has the following two options to help relieve evacuation traffic for the Project:

1. Trigger Evacuation Zone
2. Shiloh Resort and Casino Pre-Determined Evacuation Zone

First, disasters are unpredictable, much like human behavior in response to them. Although the traffic study used the Kincadee fire because an actual event gives us the most realistic scenario, we also must recognize that future events will unfold differently. No analysis can predict an actual scenario but preplanning with reasonable assumptions can reduce risk.

Second, it's important to understand the differences between Sonoma County fire scenarios of today versus years past. Wildfires are unpredictable and "No Notice" evacuations still merit significant consideration and planning. However, several systems have been put in place that reduce the risk of a "No Notice" event. Sonoma County has developed preventive measures such as:

- ☐ Enhanced public education on fire preparedness.
- ☐ Taking an active approach in broadcasting high fire danger times (Red Flag Warnings).
- ☐ Implementing a more robust Alert and Warning System.
- ☐ Developing Pre-determined Evacuation Zones.
- ☐ Utilizing early detection devices such as wildfire cameras.

The wildfire camera system consists of cameras on mountaintops that can detect a wildfire from a distance, locate and mark the wildfire, and the direction of travel. The system immediately notifies dispatchers and emergency officials. From this, Emergency Managers have situational awareness of where the fire is and the direction of travel.

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<sup>1</sup> Fehr & Peers Traffic engineering/planning consulting firm.



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Pre-determined evacuation zones enable a methodical approach to move people out of areas in case of an emergency. Since the 2017 Tubbs Fire, Sonoma County has employed a philosophy of early and wide evacuations. Emergency Managers have learned that they need people out of the way ahead of time to protect life and safety and enable firefighters the ability to fight the fire. This philosophy has been applied in previous Sonoma County fires<sup>2</sup>, which has resulted in no deaths and less property damage.

Furthermore, Pacific Gas & Electric has developed other protection measures, such as: Public Safety Power Shutoffs (PSPS) and Enhanced Powerline Safety Settings (EPSS). PSPS' are when Pacific Gas and Electric intentionally shuts off the power in an area because of high-risk fire weather, such as red flag warnings, to prevent a downed line from starting a fire. These shut offs have become a tool to prevent wildfires. EPSS' are designed to prevent fires in the event of a fault in a power line. These enhanced settings shut down power in an area immediately upon a line integrity issue, such as a fallen tree bringing a power line down.

CAS Safety members have also witnessed fire personnel applying more aggressive firefighting tactics at the onset of a fire<sup>3</sup>. Strike teams and firefighting aircraft are routinely dispatched to small fires to prevent the fire from spreading.

## EVACUATION MITIGATION PLAN – OPTION 1

CAS Safety analyzed the Evacuation Travel Time Assessment conducted by Fehr and Peers. At the request of CAS Safety consulting, Fehr and Peers analyzed the evacuation time for the project-site-only, while still applying the "With Notice" scenario assumptions, such as the level of background traffic and the evacuation destinations. The results showed the project vehicles would need a maximum of 52 minutes (in year 2028) and 54 minutes (in year 2040) to evacuate the site and clear the study area. This analysis included a conservative assumption of maximum capacity of the passenger parking and bus parking, and a further increased demand of five percent (5%) totaling 5,367 vehicles that would need to evacuate from the project site.

In order to reduce traffic congestion for the surrounding community and to provide sufficient time to clear vehicles from the Project, CAS Safety developed a Trigger Evacuation Zone. Meaning, the Project will begin evacuations when identified zones are issued an evacuation warning or order. The goal being to achieve an evacuation travel time with the least amount of impact to the surrounding community.

CAS Safety recommends the following:

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<sup>2</sup> 2019 Kincade Fire, 2020 Glass Fire, and 2020 Walbridge and Meyers Fires.

<sup>3</sup> CAS Safety members frequently monitor "Watch Duty".



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***We recommend Shiloh Resort and Casino immediately evacuate all guests and visitors when any of the pre-determined evacuation zones within the Trigger Evacuation Zone have been issued an evacuation warning or order.***

This Trigger Evacuation Zone method would immediately force evacuation of the Project site when any of the zones inside the red outlined area are issued an evacuation warning or order. As an example, if a wildfire was occurring in the northeast section of the county (like the 2019 Kincade Fire) as soon as zone SON-2M1 was issued a warning or order the Project would immediately evacuate.

CAS Safety developed the Trigger Evacuation Zone by analyzing Fehr and Peers Evacuation Travel Time Assessment report, reviewing past fire behavior and the timing of evacuations by zones, and understanding how today's emergency managers would likely proceed with evacuations with the current pre-determined evacuation zone system. We used the Trigger Evacuation Zone method to specify early evacuation of the Project as it related to Fehr and Peers' traffic travel time assessment modeling of the Kincade Fire. Additionally, we understand that no future event will unfold like past events because of changes in emergency response and disasters, such as fires.

See Figure 1 - Trigger Evacuation Zone map on next page.





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### Trigger Evacuation Zone

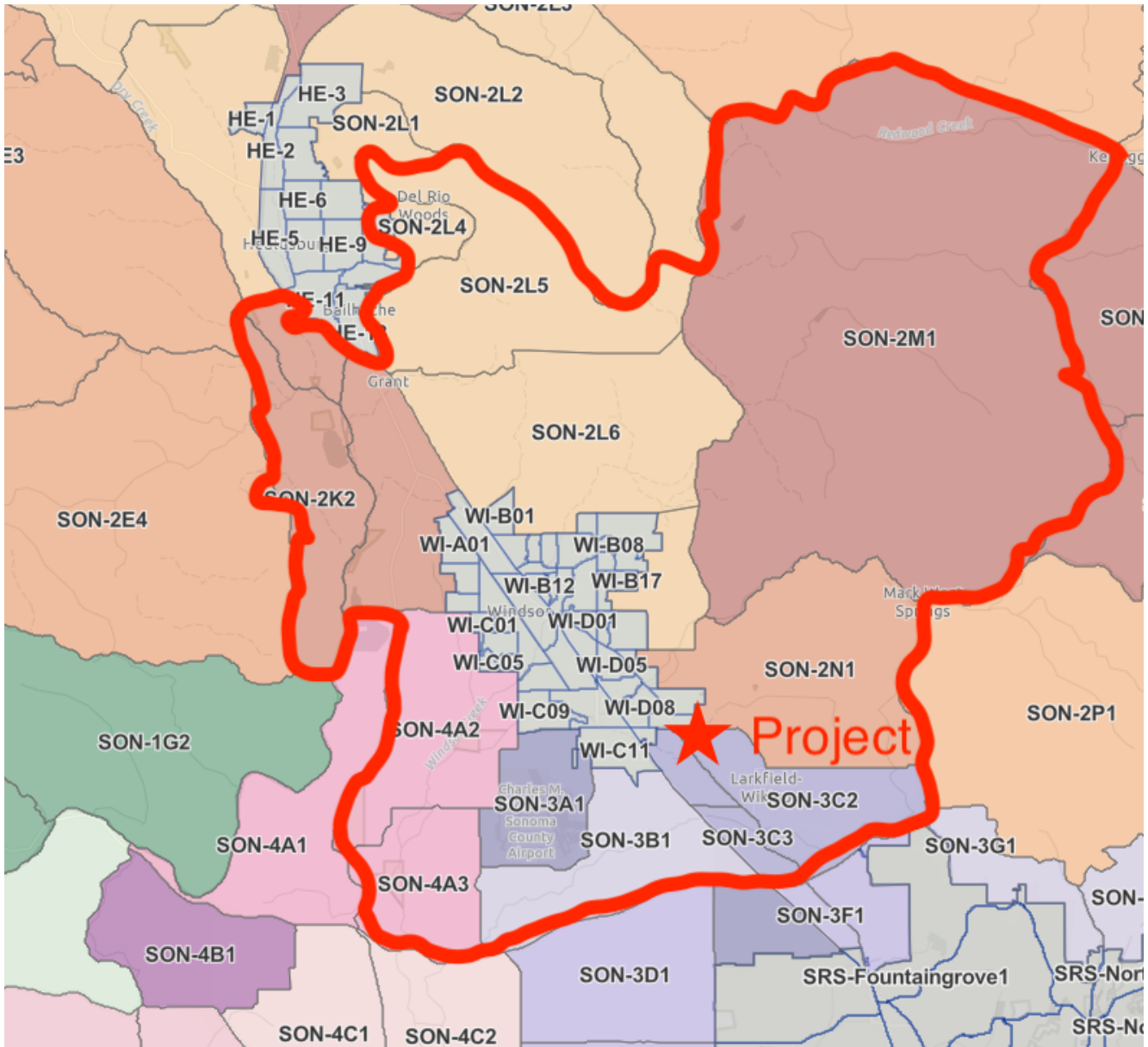


Figure 1



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## EVACUATION MITIGATION PLAN – OPTION 2

There is a second option for evacuation travel time mitigation. The County of Sonoma can create a pre-determined evacuation zone specifically for the Shiloh Resort and Casino. Currently, River Rock Casino lies within its own defined zone SON-2C9.

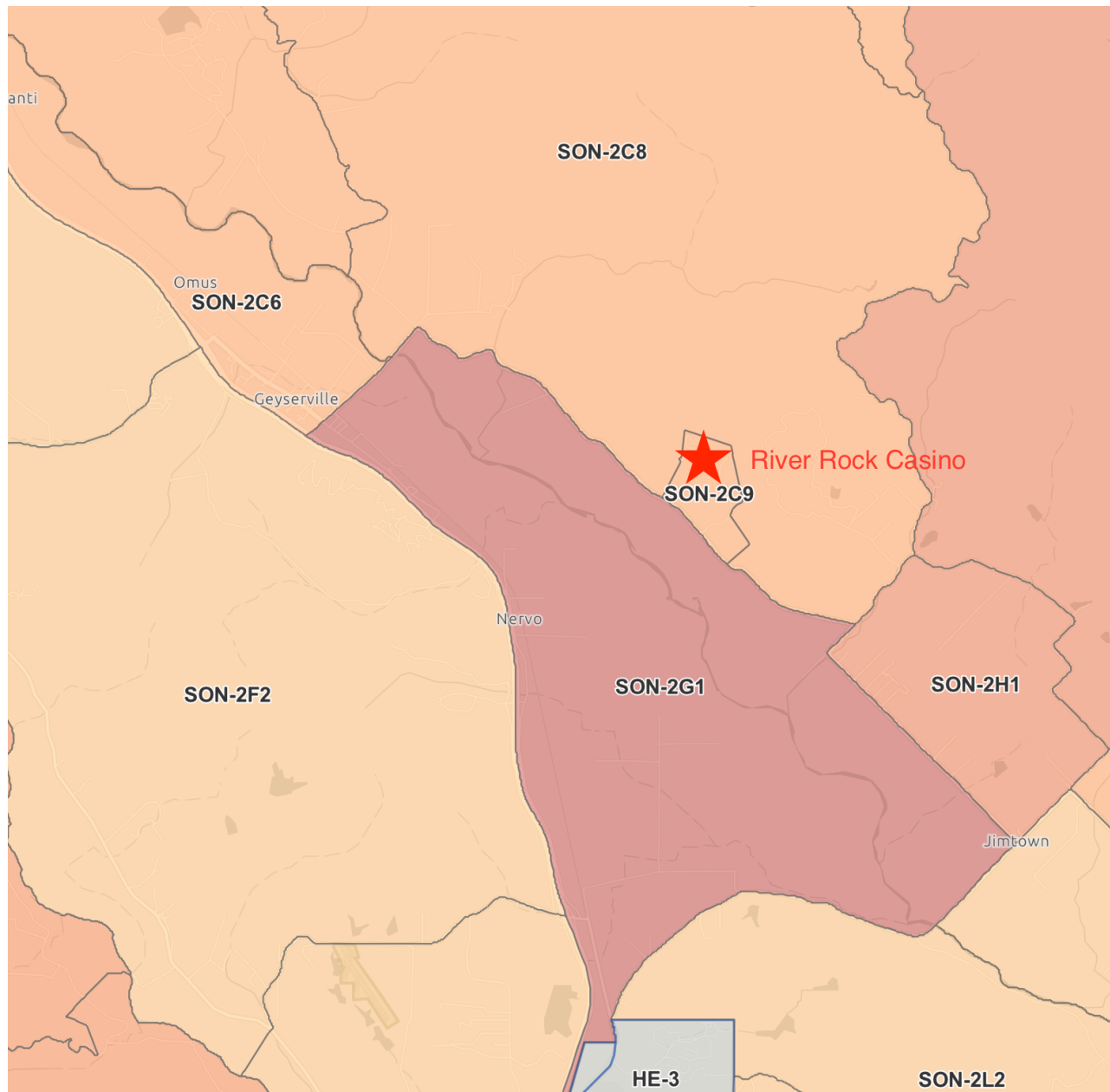


Figure 2



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***We recommend Koi Nation work with the County of Sonoma in developing its own pre-determined evacuation zone for the Shiloh Resort and Casino.***

This option could benefit both the County of Sonoma and Shiloh Resort and Casino. The County's Emergency Officials could order an evacuation of the zone within its orderly approach during a disaster. County Emergency Officials have all the situational awareness during a disaster to determine the most appropriate time to issue an evacuation order, understanding the population of the casino, and other pre-determined evacuation zones.

Shiloh Resort and Casino could benefit as well by not having to provide constant training to staff on understanding all the Trigger Evacuation Zones or having the sole responsibility to evacuate when conditions are met.

In conclusion, CAS Safety presents these two above options as a means of providing a safer evacuation for the entire community.

A handwritten signature in black ink, appearing to read 'Rob Giordano', written over a horizontal line.

Robert Giordano

2/19/24

Date

A handwritten signature in black ink, appearing to read 'Clint Shubel', written over a horizontal line.

Clint Shubel

2/19/24

Date

Appendix O

Sonoma Fire District Letter of Intent



# KOI NATION OF NORTHERN CALIFORNIA

June 13, 2023

Arnie Tognozzi, President  
Board of Directors  
Sonoma County Fire District  
8200 Old Redwood Hwy  
Windsor, CA 95492

RE: Letter of Intent for Emergency Services to Koi Nation Trust Land at 222 Shiloh Road

Dear Mr. Tognozzi:

This Letter of Intent ("LOI") is made between the Koi Nation of Northern California (the "Nation"), P.O. Box 3162, Santa Rosa, CA 95402, and the Sonoma County Fire District (the "Fire District"), 8200 Old Redwood Hwy, Windsor, CA 95492.

The Nation is a federally-recognized Indian tribe desiring to reestablish its land base and develop a gaming enterprise thereon. The Fire District is an independent fire district pursuant to the California Health and Safety Code Section 13800. The Fire District and the Nation intend to enter a Memorandum of Understanding ("MOU") to provide emergency services to include fire response, emergency medical services, fire prevention and all other all-risk response to the gaming enterprise that the Nation will own and operate on Indian lands located in unincorporated Sonoma County outside the political and geographic boundaries of the Town of Windsor.

The Fire District will provide fire protection services to the Nation's gaming facility in exchange for consideration paid by the Nation to the Fire District as agreed upon and set forth in the MOU. The Nation's consideration for these services will likewise be set forth in the MOU.

The purpose of this LOI is to set forth the intentions of the Nation and the Fire District to negotiate in good faith an agreement for fire and emergency services. The Nation and the Fire District recognize that the transaction discussed in this LOI will require further information exchange, documentation, and approvals. Nevertheless, the parties execute this LOI as evidence of their intentions to proceed in mutual good faith to complete the work required and negotiate the term of an MOU that is consistent with this LOI.

In the absence of a duly executed MOU, the Fire District shall have no duty or obligation to provide any services to the Nation for its proposed gaming facility and the Nation shall have no duty to provide compensation to the Fire District.



Arnie Tognozzi, President

June 13, 2023

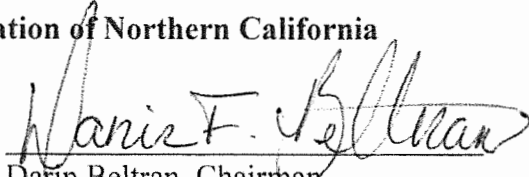
Page 2

This LOI may be executed in several counterparts. If the foregoing is acceptable to you, kindly execute a copy of this LOI in the place set forth below and return it to the undersigned.

Very truly yours,

**Koi Nation of Northern California**

By:

  
Darin Beltran, Chairman

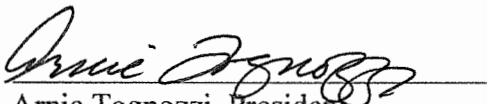
Date:

6/13/23

**ACCEPTED AND AGREED TO:**

**Sonoma County Fire District**

By:

  
Arnie Tognozzi, President  
Board of Directors

Date:

6/27/23