Napa Valley Vine Trail:
St. Helena to Calistoga Section

Draft Initial Study/Mitigated Negative Declaration

June 2020

Prepared By

NAPA VALLEY TRANSPORTATION AUTHORITY

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1.0 INTRODUCTION & PURPOSE

1.1 Project Purpose and Scope of the Initial Study

In accordance with the California Environmental Quality Act (CEQA) (California Public Resources Code [PRC] §21000 et seq.) and the State CEQA Guidelines (California Code of Regulations [CCR], Title 14, §15000 et seq.), this Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared to evaluate the potential environmental effects associated with the construction and operation of the proposed Napa Valley Vine Trail – St. Helena to Calistoga Section Project (hereinafter referred to as the "proposed project" or "project"). This IS/MND includes a description of the proposed project; an evaluation of the project's potential environmental impacts; the findings of the environmental analyses; and recommended standard conditions and mitigation measures to lessen or avoid the project's potential significant adverse impacts on the environment.

Pursuant to Section 15367 of the State CEQA Guidelines, Napa Valley Transportation Authority (NVTA) is the Lead Agency for the project. The Lead Agency is the public agency that has the principal responsibility for carrying out or approving a project. NVTA has the authority for environmental review in accordance with CEQA and certification of the environmental documentation.

This IS/MND has evaluated each of the environmental issue areas contained in the checklist provided in Section 3.0. It provides decision-makers and the public with information concerning the potential environmental effects associated with the implementation of the proposed project, and potential ways to reduce or avoid possible environmental impacts. This Initial Study is intended to be used as a decision-making tool for NVTA in considering and acting on the proposed project. Any responsible agency may elect to use this environmental analysis for discretionary actions associated with the implementation of the project.

1.2 Summary of Findings

Based on the environmental checklist form completed for the proposed project and supporting environmental analysis, the project would have no impact or a less than significant impact on the following environmental issue areas: aesthetics, air quality, energy, greenhouse gas emissions, hydrology, land use, mineral resources, population and housing, public services, recreation, transportation, utilities and service systems, and wildfire. The proposed project's impacts on the following issue areas would be less than significant with the implementation of mitigation: agriculture, biological resources, cultural resources, geology and soils, hazards, noise, and tribal cultural resources. All impacts would be less than significant after mitigation.

As set forth in the State CEQA Guidelines Section 15070, an Initial Study leading to a Mitigated Negative Declaration (IS/MND) can be prepared when the Initial Study has identified potentially significant environmental impacts but revisions have been made to the project, prior to public

review of the Initial Study, that would avoid or mitigate the impacts to a level considered less than significant, and there is no substantial evidence in light of the whole record before the public agency that the project may have a significant effect on the environment.

1.3 Initial Study Public Review Process

The Notice of Intent (NOI) to Adopt a Mitigated Negative Declaration has been provided to the County of Napa Clerk-Recorder and mailed to responsible agencies, nearby property owners, and others who expressed interest in being notified. A 30-day public review period has been established for the IS/MND in accordance with Section 15073 of the State CEQA Guidelines. During the public review period, the IS/MND, including the technical appendices, can be accessed on NVTA's website and is available for review at the locations identified below.

http://www.nvta.ca.gov/vinetrail

Napa Valley Transportation Authority
625 Burnell Street
Napa, CA 94559

Napa County Library
580 Coombs St
Napa, CA 94559

In reviewing the IS/MND, affected public agencies and interested members of the public should focus on the adequacy of the document in identifying and analyzing the potential environmental impacts and the ways in which the potentially significant effects of the project can be avoided or mitigated. During the public comment period, comments on the IS/MND and the analysis contained herein may be sent to:

Rebecca Schenck, Principal Planner
Napa Valley Transportation Authority
625 Burnell Street
Napa, CA 94559
Phone: 707-259-8636

Written comments may also be sent via email to rschenck@nvta.ca.gov. Comments sent via email should include the project title in the subject line and a valid mailing address in the email.

Following receipt and evaluation of comments from agencies, organizations, and/or individuals, NVTA will determine whether any substantial new environmental issues have been raised. If so, further documentation may be required. If not, or if the issues raised do not provide substantial evidence that the project will have a significant effect on the environment, the IS/MND and the project will be considered for adoption and approval, respectively.

1.4 Report Organization

This document has been organized into the following sections:

Section 1.0 – Introduction. This section provides an introduction and overview describing the conclusions of the Initial Study.

Section 2.0 – Project Description. This section identifies key project characteristics and includes a list of anticipated discretionary actions.

Section 3.0 – Initial Study Checklist. The Environmental Checklist Form provides an overview of the potential impacts that may or may not result from project implementation.

Section 4.0 – Environmental Evaluation. This section contains an analysis of environmental impacts identified in the environmental checklist.

Section 5.0 – References. The section identifies resources used to prepare the Initial Study.

2.0 DESCRIPTION OF PROPOSED PROJECT

2.1 Project Information

1. Project title:

Napa Valley Vine Trail – St. Helena to Calistoga Section ("project")Project IDs (Napa Countywide Bicycle Plan MND): 866, 897 (portion), 867, 865, 890

2. Project introduction:

This IS/MND has been prepared by the NVTA as the Lead Agency, in conformance with CEQA, the CEQA Guidelines (Title 14, California Code of Regulations §15000 et seq.), and the regulations and policies of Napa County, and cities of St. Helena and Calistoga. The purpose of this IS/MND is to provide the public with objective information regarding the environmental consequences of the proposed project.

3. Lead agency name and address:

Napa Valley Transportation Authority
625 Burnell Street
Napa, CA 94559

4. Contact person and phone number:

Rebecca Schenck, Principal Planner
Phone: 707-259-8636
Email: rschenck@nvta.ca.gov

5. Project location:

The project site is approximately 6.8 miles long, extending north from the City of St Helena at the intersection of Pratt Avenue and State Route 29 (SR 29), through Napa County, to the Calistoga City limit on Dunaweal Lane at the intersection of an existing segment of the Vine Trail. The proposed trail would be within Napa County, the City of St. Helena, and the City of Calistoga. With exception of a portion of trail through Bothe-Napa Valley State Park (BNVSP), most of the proposed trail would run parallel to SR 29 on the east side; refer **Figure 1: Vicinity Map** and **Figure 2: Site Location Map.**

6. Project sponsor's name and address:

Napa Valley Transportation Authority
625 Burnell Street
Napa, CA 94559

7. General plan designation:

Napa County: Agriculture Resource, Cities, Agriculture, Watershed & Open Space

City of St. Helena: Agriculture
City of Calistoga: Downtown Commercial, Light Industrial, Community Commercial, High-Density Residential

8. Zoning:

Napa County: Agricultural Watershed (AW), Agriculture Preserve (AP)
City of St. Helena: W: Winery, PGP: Public & Quasi-Public, A-20: Agriculture
City of Calistoga: DC-DD: Downtown Commercial – Design District, R-3: Multi-Family Residential/Office, I: Light Industrial, P: Public/Quasi-Public

9. Surrounding Land Uses:

The project site area includes a mix of highly scenic areas and already developed areas. The highly scenic areas include higher concentrations of vegetation (e.g., BNVSP) and numerous vineyards. The developed areas include a mix of residential, recreational, retail, commercial, civic, and agricultural uses with roads and surface parking lots. The proposed project would be consistent with planned uses within BNVSP, Napa County, St. Helena, and Calistoga.

10. Assessor's parcel numbers:

The project site would largely be located along the SR 29 corridor, and would be directly adjacent to or within the following parcels:

009-010-026	022-100-026	022-010-007
009-010-022	022-100-027	022-020-004
022-200-016	022-100-008	022-020-005
022-200-008	022-100-007	022-020-002
022-200-002	022-100-030	022-020-001
022-220-025	022-240-013	020-240-005
022-220-028	022-010-017	020-320-015
022-130-024	022-010-025	020-180-046
022-130-023	022-010-034	020-150-050
022-130-014	022-034-005	020-150-045
022-100-010	022-010-006	022-020-007

11. Other Project-Related Approvals, Agreements Which May Be Required (e.g., permits, agreements):

- California Department of Transportation (Caltrans)
- California Department of Forestry and Fire (CDF)
- California Department of Parks and Recreation U.S. Army Corps of Engineers
- National Marine Fisheries Service
- U.S. Fish and Wildlife Service
- California Department of Fish and Wildlife
- San Francisco Regional Water Quality Control Board
- Napa County
- City of St. Helena
- City of Calistoga
- Napa County Flood Control and Water Conservation District
- Private property easements

2.2 Project Description

The proposed project is one segment of the Napa Valley Vine Trail, which is envisioned as a 47-mile, mostly Class I mixed-use path for pedestrians and cyclists that will run the length of the Napa Valley (Calistoga to American Canyon) and connect to the Vallejo Ferry Terminal in Vallejo, California[1]. The Napa Valley Vine Trail – St. Helena to Calistoga segment ("proposed project") is an approximately 6.8-mile Class I bicycle/pedestrian trail that would complete a segment of the Napa Valley Vine trail.

The proposed project is located within Caltrans and public right of way (ROW), State Park lands, and on easements to be obtained from private property owners. The south end of the project would terminate in St. Helena at Pratt Avenue on SR 29 at postmile (PM) 29.244The north end of the new trail segment terminates at an existing segment of the Vine Trail at Dunaweal Lane east of PM 35.308 (**Figures 3A – 3J: Proposed Project).**

An additional segment called the Fair Way Path Extension would be constructed at the same time as the proposed project. The Fair Way Extension would be a 0.6-mile Class I trail that extends north from an existing segment of the Napa Valley Vine Trail at Washington Avenue in Calistoga to the intersection of Fair Way and Lincoln Avenue in Calistoga (east of SR 29 between PMs 36.45 to 37.22). The Fair Way Path Extension was previously analyzed under CEQA and a Mitigated Negative Declaration was approved by the City of Calistoga's Planning Commission 2014 (PC Resolution 2014-29; November 26, 2014). However, the Fair Way Path extension was not analyzed under the National Environmental Policy Act (NEPA), and the proposed project is subject to federal funds, thus the Fair Way Path Extension is being analyzed under NEPA here. Caltrans is the lead agency for NEPA clearance of the proposed project including the Fair Way Extension.

[1] Within the boundaries of the Bothe-Napa Valley State Park, the trail would be a Class 3 bicycle route.

Completion of the proposed project would help close a gap in the regional bicycle and pedestrian transportation network; provide bicyclists and pedestrians with a safe alternative to using SR 29 from the City of St. Helena to Calistoga, and encourage the use of non-motorized travel. All of these benefits are described in the policies and objectives of the Napa County General Plan and the Napa County Bicycle Plan.

The trail would be located within unincorporated Napa County and the cities of Calistoga and St. Helena. The proposed alignment would overlap with areas under public ownership and within Caltrans' ROW and run along local streets and roads. NVTA would also need to obtain private property easements to construct the proposed trail segment. Most of the proposed trail would be on the east side of SR 29 except where the trail runs through BNVSP. The new trail would largely be separated from SR 29. However, in a few locations, the proposed trail would be located along the shoulder of SR 29.

The proposed path would be 10 feet wide with 2-foot shoulders for a total width of 14 feet in most locations, narrowing to a lessor width in constrained locations. In most locations the trail would be an asphalt trail installed over aggregate base, with gravel shoulders. Permeable asphalt or a pervious material may be used in some locations (e.g., along vineyard edges). In most locations, the existing surface would be excavated to a depth of 1.5 to 2 feet to install the trail surface. Grading would occur beyond the shoulders to conform the trail to existing grade up to a maximum slope of 2:1 as dictated by geotechnical conditions.

The trail would cross multiple roads and private driveways and would cross SR 29 in two locations. Americans with Disabilities Act (ADA) curb ramps would be installed where the trail intersects major roads, including Deer Park Road, Lodi Lane, Big Tree Lane, Maple Lane and Dunaweal Lane. Consistent with ADA standards, truncated domes may be installed on either side of private driveways, where the trail crosses private driveways. Additional improvements include stop signs and trail signage, benches, interpretive signage, fencing along the edge of some property lines, and bus stop relocations and improvements. Safety improvements and signage would be installed at crossings to conform to applicable local, Caltrans, and California Manual on Uniform Traffic Control Devices (California MUTCD) standards.

Proposed improvements on private property would include conforming work to match existing grade of driveways, striping, relocation of mailboxes, removal and replacement of landscaping where it coincides with the proposed trail alignment. These improvements would be done in accordance with easements granted by private property owners.

Where the trail would cross SR 29, pedestrian hybrid beacon (PHB) signal crossings would be installed. Two PHBs would be installed. The south PHB crossing would be located along SR 29 near Cal Fire at Big Tree Rd. Two options are being considered for the north PHB crossing, which would be located along SR 29 near the entry road to BNVSP, approximately 400 feet either north (North PHB Crossing, Option 1) or south of the entry road to BNVSP (North PHB Crossing, Option 2). For Option 1 surface and pedestrian safety improvements (i.e., crosswalk striping) would be required at the BNVSP entry road, and a culvert and retaining wall would be constructed south

of the entry road within Caltrans ROW. For Option 2, the PHB crossing would be placed south of Larkmead Lane and the entry road to BNSVP thus no surface improvements would be required at the entry road under Option 2.

Retaining walls would be constructed where the trail is constrained either by existing physical or topographic features, property lines, and easement boundaries. Retaining wall types would include mechanically stabilized earth, concrete barrier, block walls, or other types. Most retaining walls would be less than 3.5 feet tall, though in a few locations local topography would require the construction of walls up to 8 feet in height. Excavation depths for the retaining walls would range from 1.5 to 3.0 feet below existing grade over an area up to 20 feet from the edge of proposed retaining walls. The retaining walls would be designed to have a similar visual appearance to existing walls in the area.

Free span, pre-fabricated bridges are proposed in three locations; one to span an existing wetland and drainage feature on private property near PM 31.57, one to cross an existing drainage ditch located on private property south of Twomey Winery near PM 35.282, and one to span Napa River adjacent to the bridge Dunaweal Lane. Each of these bike and pedestrian bridge structures and abutments would be installed outside of waters and wetland features. Work near drainages would occur during the dry season.

The proposed project would require the installation of new culverts or culvert extensions throughout the alignment. The type, size and material of culvert extensions would be designed to match existing conditions. Culverts crossing SR 29 and existing ditches would be extended by up to 30 linear feet. In some constrained locations, new culverts would be installed in existing roadside ditches order to minimize tree removal and stay within ROW to the extent possible. These culverts would extend between 100 to 850 linear feet. New or replacement headwalls and wingwalls would be installed or extended at some culvert crossings where necessary to provide enough width for the trail. Proposed culverts are shown in **Figures 3A – 3J: Proposed Project.**

Storm drain infrastructure, including junction boxes and manholes, would be installed as part of some culvert extensions to convey stormwater runoff and to provide access to maintain this infrastructure. With exception of the storm drain infrastructure mentioned above, stormwater runoff from the trail would be conveyed to adjacent permeable non-erodible areas.

Construction of the proposed project would include approximately 10,000 cubic yards of excavation. Material brought on to the site would be tested in accordance with local and state requirements to ensure contaminated material is not brought on site. Material that is not removed from the project area once excavated would be stockpiled and stabilized until it could be off-hauled.

Vegetation and tree removal would be required to construct the trail and would include the removal of native trees, landscape trees, and non-native trees. It is estimated that approximately 47 trees would be removed in the project area. Of the 47 trees, 10 are native coast live oaks. These trees have a diameter at breast height (DBH) ranging from 6 to 21 inches. Five valley oaks

along the trail alignment would be removed and these range in size from 5 to 16" DBH. Three blue oak trees would be removed, and these trees have a DBH of 18, 19, and 45". Protected trees would be replanted within the project area at a ratio consistent with local tree protection ordinances and California Department of Fish and Wildlife (CDFW) replanting requirements.

Underground utilities would remain in place. Utility poles in conflict with the trail would be moved in coordination with utilities companies (namely PG&E) prior to construction. Utility relocation would be done prior to project construction. Other utility adjustments would include relocation of fire hydrant wharfs in a few locations. No additional or expanded use of water or wastewater facilities is proposed as part of this project.

Access to the construction site would occur from SR 29 and adjacent roads. While final staging areas would be decided by the contractor, staging would primarily occur within the proposed trail alignment. These areas would be used to store and stage materials and equipment at different times throughout project construction. Staging areas outside of the proposed alignment would typically consist of previously disturbed areas with bare, gravel, or paved surfaces.

Trail construction is anticipated to take between 9 and 12 months to complete and will begin in 2021 or 2022. Construction will be timed to maximize working in the summer dry season, and the work may be phased to adhere to seasonal work limits.

Following completion of the trail, Napa County and the cities of St. Helena and Calistoga would maintain the portions of the trail within their jurisdiction in accordance with easement agreements. A Maintenance Agreement with Caltrans would be developed to ensure the portion of the trail within Caltrans' ROW is maintained. In BNVSP Napa County would hold an easement and maintenance of the Vine Trail within BNVSP would be handled by the Napa County Regional Park and Open Space District. Trail operation and maintenance would require occasional sweeping, litter pick-up, and vegetation and tree trimming to maintain adequate vertical clearance for trail users.

Below are additional details for each section of the proposed trail.

Trail Section 1 – Trail beginning to St. Helena city limits (PM 0.0/0.8)

The trail would begin in the City of St. Helena at the intersection of SR 29 and Pratt Avenue (PM 29.3), located on the shoulder of SR 29 and cross York Creek on the existing SR bridge. Restriping of SR 29 would occur on the approaches to the York Creek bridge to delineate the bike trail. Signage, striping, and barriers would be installed along the shoulder in accordance with local and state standards. No work would be required outside of the existing roadway footprint at York Creek.

After crossing York Creek, the trail would shift off of the SR 29 shoulder to the east of the Elm Tunnel. Existing interlocking pavers east of the Elm Tunnel would be removed and replaced. The trail would cross the entrance to the Krug Winery, where new culverts and headwalls would be

installed in an existing roadside ditch. Retaining walls less than 4 feet tall would be constructed on fill slopes at the Krug Winery entrance (PM 29.8). At the northern limits of St. Helena, where the trail crosses Deer Park Road, an existing culvert would be extended and existing headwalls would be removed and replaced with new headwalls.

Trail Section 2 – Deer Park Rd to Lodi Lane (PM 0.8/1.3)

In this segment, most of the trail would be located on private property easements, in between agricultural lands on the east side of the proposed path and SR 29 on the west side. Some existing landscaping and signage would be removed and relocated where the trail would cross vineyard entrances or private driveways. Replacement and removal would be done in accordance with easements to be granted by private property owners. A fire hydrant near Markham Winery conflicts with the proposed trail and would be relocated. Minor fill slopes or retaining walls are proposed within private property for approximately 560 feet along Ballentine Vineyards. The trail would then continue at-grade on private property, crossing York Lane. The trail would continue along private property frontage to Lodi Lane.

Trail Section 3 – Lodi Lane to Big Tree Lane (PM 1.3/3.2)

Segment 3 would be located within Caltrans' ROW and on private property. The proposed trail would cross Lodi Lane, into Caltrans' ROW and continue north to parallel Freemark Abbey Winery. A portion of this segment would be located on the shoulder of SR 29. Signage and striping would be installed in accordance with local and state standards. At PM 30.8, the trail would transition from the right shoulder of SR 29 to existing patches of roadside vegetation.

Near the southern edge of the Trinchero Napa Valley Winery (PM 30.9), the proposed trail would diverge eastward from the grade of SR 29. The trail would be constructed along the edge of the Trinchero Vineyard and retaining walls and fill slopes would be installed to minimize extent of areal grading. Wall heights would vary from 2 feet to 8 feet. Vineyard rows would be removed to accommodate the trail path and shoulders and to provide sufficient space for tractors to turn around. Existing landscaping and signage would be removed and replaced or relocated at entrance to private property and would be done so in accordance with easement agreements to be obtained from private property owners.

From Trinchero to Turley Wine Cellars, retaining walls up to 6 feet high would be constructed. Hirsch Creek is culverted west of and underneath SR 29 and then comes to the surface just east of SR 29. The existing culvert on the east side of SR 29 would be extended to accommodate the new trail crossing. Further north of Hirsch Creek at PM 31.4, a new box culvert would be installed across an agricultural ditch at the edge of a vineyard. The new box culvert would extend for approximately 30 linear feet. To cross a vernal pool wetland feature on private property, a free span bridge would be constructed in a north-south direction. Abutments would be constructed in adjacent upland areas to avoid impacts to the wetland. After crossing the wetland, the trail would continue in upland areas along the edge of vineyards.

Near Turley Cellars (PM 32.04) the trail would be sited along the right shoulder of SR 29, within Caltrans' ROW. The trail would cross Mill Creek over the existing bridge on SR 29 (PM 32.1). SR 29 would be restriped in this location to mark the location of the trail.

North of Mill Creek crossing, new storm drainage infrastructure would be installed at the existing roadside swale. The trail would be located along SR 29 adjacent to a grove of buckeye trees. Continuing south, the trail would parallel the edge of vineyards through private property easements, crossing private driveways and local streets until reaching Big Tree Road. Within this segment, retaining walls up to 2.5 feet would be constructed adjacent to the trail. North of Vineyard 29, the trail would again enter Caltrans' ROW where new storm drain infrastructure with headwalls and junction boxes would be installed.

Trail Section 4 – Big Tree Lane to North of Larkmead Lane (PM 3.2/4.2)

From Big Tree Lane the trail would be constructed on CDF property parallel to SR 29 and north of the CDF driveway on the east side of SR 29. An existing culvert discharges to a drainage ditch that would be spanned by a boardwalk or small free-span bridge. Some retaining walls may be constructed in upland areas on the west edge near the CDF parking lot and near the approach to the drainage crossing.

Two PHB crossings would be installed over the north and southbound lanes of SR 29 to route the trail from the east side of SR 29 to the west side to route the trail through BNVSP. The southern crossing would be located adjacent to developed areas (i.e., Cal Fire and Napa County Fire Department buildings on SR 29). The northern crossing would be located either north or south of the entrance road to BNVSP near Larkmead Lane. Signage along SR 29 would be installed at the approaches to the PHB crossings in accordance with applicable MUTCD and Caltrans standards.

Some tree limbs that overhang onto SR 29 would need to be removed to provide visibility in the vicinity of the proposed crossings. The PHB crossings would consist of an approximately 25-foot high new vertical mast arm pole with horizontal signal mast arms that would span both lanes of SR 29 lanes at a height of 15 feet. The horizontal mast arms would be attached to the vertical mast arms. The crossings would also include PHB signals affixed to the end of the arms and one horizontal luminaire mast arm located atop the vertical mast arm (a height of 25 feet). CDF and Napa County Fire Department staff would have the ability to activate the PHBs when responding to incidents.

A culvert with headwalls may be installed within an existing roadside swale where the crossing touches down on the west side of SR 29. The trail would then cross CDF property on the west side of SR 29 and connect to an existing gate that connects BNVSP and CDF property.

The majority of the trail through BNVSP was sited to avoid and minimize tree removals and to avoid and minimize excavation in areas where the trail coincides with sensitive resources. Where the trail begins within BNVSP, the trail would follow an old road alignment. In this location, the trail would be constructed on fill to avoid excavation into previously undisturbed subgrade. The

trail would then continue onto existing paved areas and park roads up to the park entry kiosk. The section of trail on existing park roads would be a Class 3 bicycle facility with sharrow markings on the pavement and the addition of signage alerting vehicles that bikes may be present. Work in this section would be limited to striping and signage. Placing of signage would require excavation into the subgrade and would not be installed within 50 feet recorded cultural resources.

Beyond the park entry kiosk, the trail would be constructed on fill and would be parallel to and between the park entrance road and SR 29. Drainage improvements would be constructed in an existing ditch just west of SR 29. New culverts would be installed to accommodate the trail. Retaining walls up to 6 feet high would be installed along the west shoulder of the trail just south of the park entrance. Tree limbing, tree removal and vegetation removal would be required to construct the trail north of the park entry kiosk.

Maintenance of the trail within BNVSP would be handled by Napa County Regional Park and Open Space District in coordination with Napa Valley Vine Trail Coalition and State Parks. A maintenance agreement would be prepared to address access and funding of trail operation.

Trail Section 5 – North of Larkmead Lane to Dunaweal Lane (PM 4.2/6.8)

After crossing to the east side of SR 29, a majority of Trail Section 5 would be in Caltrans' ROW along a wide shoulder on the east side of SR 29, with the exception a small portion being located on private property.

In this segment, retaining walls would be constructed ranging from 1.5 feet to 8 feet high, with a majority of the walls being 3.5 feet or less. Taller walls would be constructed near the approach to the Napa River crossing where there is a larger difference in elevation. Drainage improvements would include culvert extensions and construction of headwalls to cross two unnamed drainages and Nash Creek.

Around 400 linear feet south of the intersection of SR 29 and Dunaweal Lane, the trail would turn east and enter the Twomey Cellars property. A 30-foot free span bridge would be constructed over an existing drainage. The trail would touch down on an easement that parallels an unnamed drainage along Twomey's southern boundary. After crossing the existing drainage, the trail would continue on a private vineyard road until it intersects with Dunaweal Lane. The trail may be constructed with permeable pavement through the Twomey Cellars property.

The trail would then parallel the south shoulder of Dunaweal Lane before crossing the Napa River with a proposed free span bridge, roughly 120 linear feet in length. There would be minor limbing of riparian vegetation in the river, but no tree removal would be required. There would be removal of upland trees and vegetation on the approaches to the proposed bridge. The abutments and bridge structure would be constructed in upland areas and built approximately 50 feet from the top of bank. The bridge abutments would be supported by Cast-In-Drilled-Hole (CIDH) concrete piles; the piles would be installed up to a depth of 80 feet. 'A crane would be

used to install the bridge; the crane would operate from the existing road and shoulder areas along Dunaweal Lane.

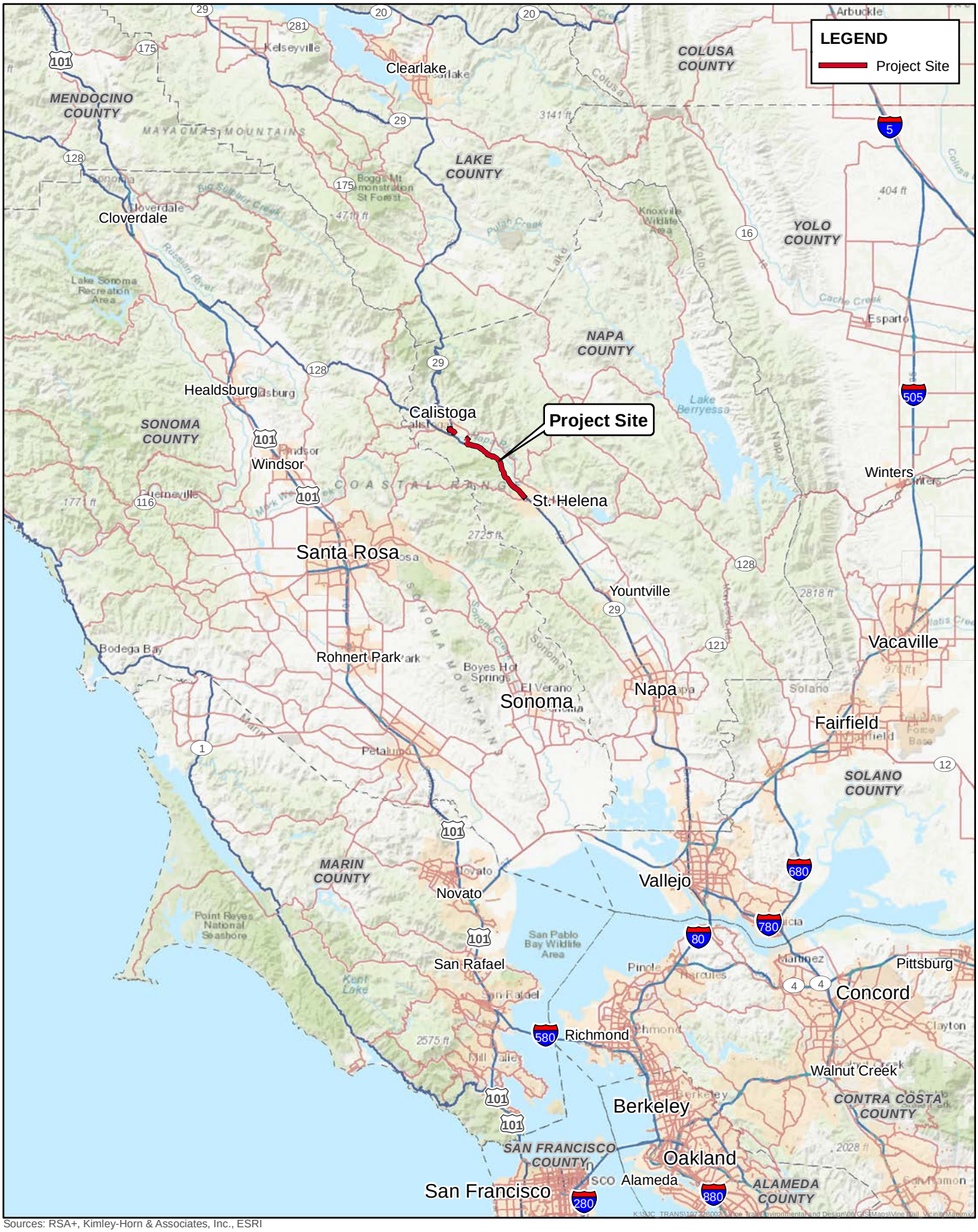
There is an existing open ditch and outfall that currently conveys roadside drainage and agricultural runoff into the Napa River. A new, 250-foot long culvert would be constructed over this drainage to provide footing for the trail. The existing outfall would remain in place and no modifications to this outfall would be made.

After the bridge crossing, the trail would cross to the north side of Dunaweal Lane via a striped, at-grade crosswalk. The trail would then parallel the north shoulder of Dunaweal Lane and then terminate at an existing segment of the Vine Trail on Dunaweal Lane across from the entrance to Sterling Vineyard.

From here an existing, 1-mile segment of the Vine Trail extends north and terminates near the Calistoga Public Works Center on Washington Street. No work would be done at this location.

Trail Section 6 – Fair Way Path Extension

The Fair Way Path would begin near the City of Calistoga Public Works Center at Washington Street. The Fair Way Path extension would be constructed entirely within areas owned by the City of Calistoga within ruderal roadside areas. The segment begins to the north of and adjacent to the Calistoga Little League – Tedeschi Field for the length of the field before turning north. The trail would then continue on city property along an existing gravel and paved area that is north of and parallel to Washington Street. The trail would run parallel to but be offset from a drainage ditch. A swale would be constructed on the west side of the trail and culverts installed underneath the proposed trail. Stormwater runoff would be conveyed to the new permeable drainage swale and then through culverts to the existing drainage ditch. The trail would then terminate at the intersection of Lincoln Avenue and Fair Way, where signage, striping, and a pedestrian crosswalk would be installed in accordance with applicable standards.


LEGEND
Project Site
Project Site
Calistoga
St. Helena
Healdsburg
Windsor
Santa Rosa
Cloverdale
Clearlake
Kelseyville
Arbuckle
Winters
Esparto
Yountville
Napa
Sonoma
Vacaville
Fairfield
Vallejo
Benicia
Pittsburg
Concord
Walnut Creek
Berkeley
Oakland
Alameda
San Francisco
San Rafael
Novato
Richmond
Petaluma
Rohnert Park
Bodega Bay
Point Reyes National Seashore
Lake Berryessa
MENDOCINO COUNTY
LAKE COUNTY
COLUSA COUNTY
YOLO COUNTY
NAPA COUNTY
SONOMA COUNTY
SOLANO COUNTY
MARIN COUNTY
CONTRA COSTA COUNTY
ALAMEDA COUNTY
SAN FRANCISCO COUNTY
MAYACMAS MOUNTAINS
COASTAL RANGE
SONOMA MOUNTAIN
Boggs Mt Demonstration St Forest
Knoxville Wildlife Area
San Pablo Bay Wildlife Area
Lake Sonoma Recreation Area
Russian River
Big Sulphur Creek
Pulah Creek
Cache Creek
Napa
Sonoma
Petaluma
Marin
Colusa
Lake
Yolo
Solano
Martinez
Pinole
Hercules
Clayton
Mill Valley
San Rafael
Kent Lake
Boyes Hot Springs
El Verano
Guerneville
Cloverdale
Sonoma
Windsor
Healdsburg
Calistoga
St. Helena
Yountville
Napa
Vacaville
Fairfield
Vallejo
Benicia
Pittsburg
Concord
Walnut Creek
Berkeley
Oakland
Alameda
San Francisco
Richmond
San Rafael
Novato
Petaluma
Rohnert Park
Bodega Bay
Point Reyes National Seashore
Lake Berryessa
Winters
Esparto
Arbuckle
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Windsor
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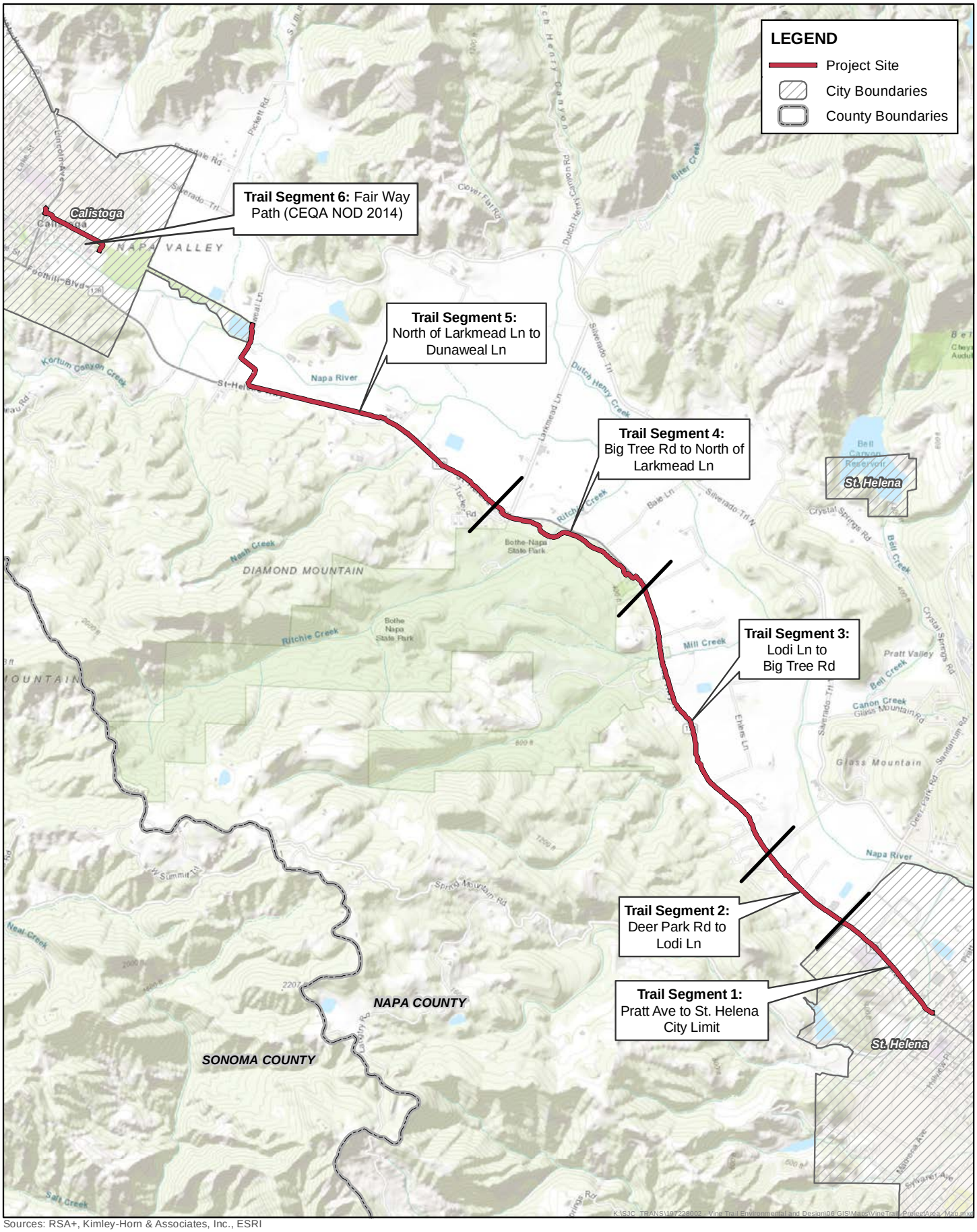
Calistoga
St. Helena
Yountville
Napa
Sonoma



Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI

FIGURE 2: Site Location Map

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

0 0.5 1 Miles

1:50,000

Panel 1

Prat Ave

Main St

0

See Panel 2

Panel 2

0.5

Main St

See Panel 1

See Panel 3

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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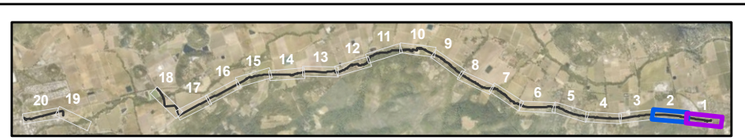
FIGURE 3A: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries



0 100 200 Feet

1:1,420

Panel 3

See Panel 4

Staging Area 3B

Staging Area 3C

State Highway 29

Deer Park Rd

ST. HELENA

Main St

See Panel 2

Panel 4

See Panel 5

Staging Area 3A

York Ln

Rockland Dr

See Panel 3

Staging Area 3B

1

State Highway 29

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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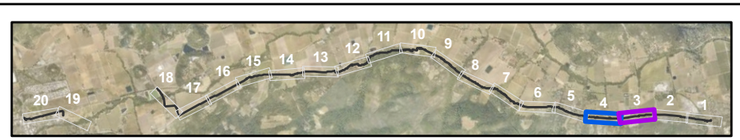
FIGURE 3B: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries



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1:1,420

Panel 5

See Panel 4

See Panel 6

Lodi Ln

Bird Hill Rd

State Highway 29

1.5

Panel 6

See Panel 7

Ehlers Ln

2

State Highway 29

See Panel 5

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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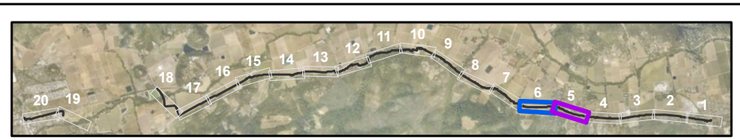
FIGURE 3C: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries



0 100 200 Feet

1:1,420

Panel 7

See Panel 6

State Highway 29

See Panel 8

Panel 8

See Panel 9

2.5

See Panel 7

State Highway 29

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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FIGURE 3D: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries

0 100 200 Feet

1:1,420

Panel 9

See Panel 8

See Panel 10

3

State Highway 29

Panel 10

Big Tree Rd

State Highway 29

3.5

See Panel 11

See Panel 9

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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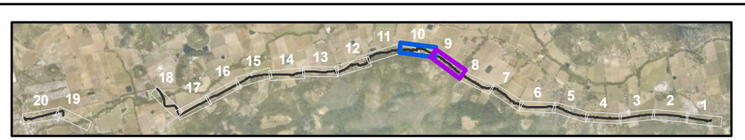
FIGURE 3E: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries



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Panel 11

State Highway 29

Bale Ln

Bothe State Park

See Panel 12

See Panel 10

Panel 12

See Panel 11

See Panel 13

Larkmead Ln

North PHB Crossing Option 2

State Highway 29

Staging Area 2

Bothe State Park

4

North PHB Crossing Option 1

Bothe State Park

Tucker Rd

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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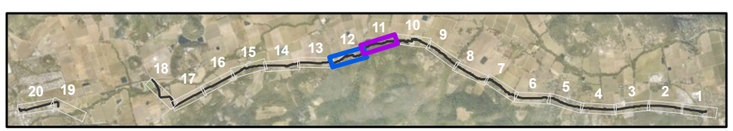
FIGURE 3F: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries



0 100 200 Feet

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Panel 13

North PHB Crossing Option 2

See Panel 12

Staging Area 2

Staging Area 2

4.5

State Highway 29

Tucker Rd

North PHB Crossing Option 1

Tucker Rd

See Panel 14

Panel 14

5

See Panel 15

State Highway 29

Schramsberg Rd

Petersen Dr

See Panel 13

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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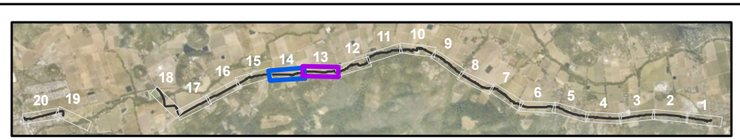
FIGURE 3G: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries



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Panel 15

State Highway 29

Maple Ln

Heitz Way

See Panel 16

See Panel 14

Panel 16

See Panel 17

5.5

State Highway 29

Heitz Way

See Panel 15

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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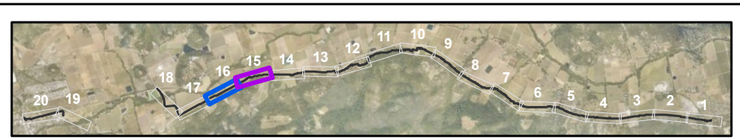
FIGURE 3H: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries



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1:1,420

Panel 17

See Panel 18

6

State Highway 29

See Panel 16

Azalea Springs Way

Azalea Springs Way

Panel 18

6.6

6.5

Staging Area 1

CALISTOGA

Dunaweal Ln

See Panel 17

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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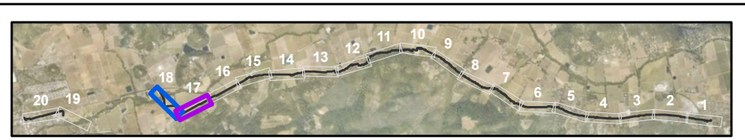
FIGURE 3I: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries



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Panel 19

Washington St

See Panel 20

Panel 20

Lincoln Ave

Gerard St

Franklin St

Anna St

Eddy St

Earl St

See Panel 19

Washington St

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on June 11, 2020.

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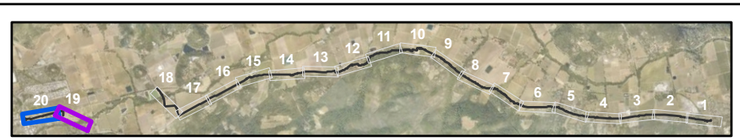
FIGURE 3J: Proposed Project

Napa Valley Vine Trail -- Fair Way Path Extension

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Proposed Trail
- Retaining Wall
- Staging Areas
- City Boundaries



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3.0 INITIAL STUDY CHECKLIST

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

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

DETERMINATION:

On the basis of this initial evaluation (check one):

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

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

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

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

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures

CERTIFICATION:

June 25, 2020

Rebecca Schenck, Principal Planner

Date

Napa Valley Transportation Authority

4.0 ENVIRONMENTAL ANALYSIS

Section 4.0, Environmental Analysis, discusses the project's potential for impacts to various resources. The discussion follows the format of Appendix G of the currently adopted CEQA Guidelines[2], and identifies any potentially significant impacts that could result from project implementation. Mitigation measures are identified, where necessary, to reduce potentially significant impacts to less than significant levels. No significant and unavoidable impacts were identified.

4.1 Aesthetics

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

[2] The Office of Planning and Research (OPR) publishes the latest guidelines online: http://opr.ca.gov/ceqa/updates/guidelines/

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

The following section is summarized from the Visual Impact Assessment Memorandum0F3 prepared for the proposed project (Appendix A).

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

Less Than Significant Impact. Under CEQA, a scenic vista is defined as a viewpoint that provides expansive views of a highly-valued landscape for the public's benefit. The County of Napa General Plan Environmental Impact Report (EIR) designates Blue Ridge and Rocky Ridge as the major ridgelines shaping the eastern edge of the county. The majority of the western boundary is also a major ridgeline, from the northern tip of the Napa Valley floor to near SR12/121 in Carneros. It includes Diamond Mountain, Bald Mountain and Mount Veeder. Compliance with the Napa County Viewshed Protection Program would ensure that the vertical features of the project (2 PHB signal crossings, three bridges, retaining walls) would not substantially impact views of these ridgelines.

The City of St. Helena is framed on the west and east by the undeveloped wooded foothills of the Mayacama and Vaca mountains. These foothills are visibly prominent from many locations in the flatland areas of the City of St. Helena, especially from the east/west streets in the center of the City. The design of the project would be subject to applicable design review criteria identified in St. Helena Zoning Code Section 17.164. Additionally, scenic vistas would be protected through compliance with policies LU2.3, CD5.1, and CD5.2 of the City of St. Helena's General Plan.

The City of Calistoga General Plan states that views of surrounding countryside, ridgelines and hilltops are an important contributor to the quality of life and community identity of the City and that vistas are a valued local asset for the community. According to the City of Calistoga General Plan views of these vistas 'should be safeguarded. The segment of the proposed project that is within City limits is limited to construction to conform the new trail segment to the existing trail. Staging areas would be located along the existing disturbed road shoulder. Therefore, no views would be adversely impacted within Calistoga.

Vine Trail construction would not substantially or permanently obstruct views of scenic vistas. Construction activities that would have the potential to temporarily alter views would consist of

[3] Kimley-Horn, 2019. Visual Impact Assessment Memorandum

operation of construction equipment that could temporarily interrupt views of surrounding scenic vistas. Any obstruction to views of scenic vistas are expected to occur during construction and shall cease upon completion of the proposed project.

The majority of the Vine Trail would be a flat and flush with the ground surface. Vertical features associated with the project would be limited to two PHB signal crossings, three bridges, signage and retaining walls. The PHB crossings would consist of an approximately 25-foot high new vertical mast arm pole with horizontal signal mast arms spanning across SR 29 lanes at a height of approximately 15 feet. The horizontal mast arms would be installed on the vertical mast arms. The PHB includes signals affixed to the end of the arm and one horizontal luminaire mast arm located at the top of the vertical mast arm (a height of 25 feet). This structure would occur be located within a highway corridor, which contains streetlights and signals. The proposed PHB crossings would be installed to provide a safe crossing opportunity for bicyclists and pedestrians across SR 29. The PHBs would be visible within the immediate corridor but would not obstruct views of nearby scenic vistas from sensitive viewpoints.

The PHB crossings would be located on SR 29 and a majority of the viewers would be motorists and recreational viewers. Motorists have a low viewer sensitivity because they are typically moving at speeds that don't allow for the viewer to be focused on a particular viewshed for prolonged periods of time (the speed limit on SR 29 is 50 mph). Because motorists will be present in the areas where the PHB crossings are installed for short periods of time, this viewer group's views of scenic vistas would not be substantially impacted.

Recreational viewers within BNVSP would have limited views of the PHB crossings due to the dense tree cover present in BNVSP. Also, recreational uses within the Park that are closest to the southern PHB crossing include a cemetery that is surrounded by the History Trail. If there are views of the southern PHB crossing from the History Trail and cemetery, the views would be limited due to the dense tree cover. The northern PHB crossing location will be near the park entrance road and not near recreational facilities where users would be stationary for long periods of time (e.g., no campgrounds or picnic areas are located within view of the PHB). Since recreational viewer's views of scenic vistas are already limited due to the dense tree cover, the PHB crossings would not significantly reduce views from existing conditions.

The bridges would be free span, prefabricated bridges and would be constructed adjacent to SR 29 or on private property and would be of similar or lesser height to existing bridges within the SR 29 corridor. The bridges would be designed to be harmonious with existing bridges in the area, consisting of earth tones and natural materials and other appropriate finishes appropriate for the surrounding environment.

Additional project elements include culvert extensions, retaining walls, and bridges. The culverts' size and material would be consistent with the existing conditions and would be designed to conform to the existing grade. Retaining walls would be designed to have a consistent visual appearance with other retaining walls throughout the corridor. A majority of the retaining walls would not exceed a height of 3.5 feet, with a few locations requiring an up to 8-foot retaining

wall. Where retaining walls are proposed, they would be used to conform the trail to existing grade and are not anticipated to obstruct views from sensitive viewpoints. Therefore, due to the limited vertical development and the harmonious design of the vertical features associated with the project, a less than significant impact would occur, and no mitigation is required.

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

Less Than Significant Impact. There are no officially-designated scenic highways within or near the project site.[4] SR 29 is identified as eligible for designation as a State Scenic Highway, including the portion of the highway that is within the project limits. As discussed in Impact 4.1c, the project would not substantially degrade the existing visual character and quality of public views of the site and its surroundings. As discussed in Impact 4.5a, the project would not substantially impact historical buildings. The project would result in the removal of approximately 47 trees. Vegetation would be replanted in accordance with local tree ordinances and CDFW requirements, as discussed in Impact 4.1c. The project would avoid impacts to rock outcroppings visible from SR 29 since the project would be located along SR 29 at or below grade with SR 29 and so would not obstruct views of rock outcroppings. Therefore, the proposed project would have a less than significant impact on scenic resources along an officially designated scenic highway.

c) *In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?*

Less Than Significant With Mitigation Incorporated. The proposed project contains non-urbanized areas. During the construction period, construction equipment storage, and earth-moving would temporarily alter the existing visual quality of the affected area for adjacent sensitive viewers (recreational users and residential neighbors). Temporary construction activities along the Vine Trail alignment could cause dust and material stockpiles that could create an untidy appearance, collectively degrading the visual quality of the site and surroundings.

Where temporary construction activities occur in residential and/or recreational areas, the activities could potentially temporarily degrade the existing visual quality**.** However, these potential temporary construction impacts would be reduced by storing construction material, stockpiled soil, and equipment in staging areas beyond direct view of residents and recreationists and in already disturbed shoulder areas, to the greatest extent practicable. Staging areas would be in areas where the removal of trees, native vegetation, or large non-native trees would not be required and in areas where the ability to impact trees and/or shrubs would not be present

[4] California Department of Transportation. (2020). *List of Eligible and Officially Designated State Scenic Highways.* Available at https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways. Accessed January 23, 2020.

(e.g., within the dripline of trees or shrubs, especially native species). Areas of temporary disturbance for the trail would be re-vegetated or stabilized with erosion control measures implemented in accordance with National Pollutant Discharge Elimination System (NPDES) and environmental permit requirements. Following these requirements would reduce temporary visual impacts.

The proposed project could adversely affect the visual character at some non-urbanized locations by vegetation removal along the SR 29 corridor. Vegetation clearing would occur at a limited number of locations to construct the trail and proposed improvements. This would primarily consist of non-native grasslands in disturbed shoulder areas, landscape plantings, and would tree removal and tree trimming. Areas of temporary disturbance would be revegetated in accordance with private property easement conditions, environmental permit conditions, and Caltrans requirements. Where applicable, a seed mix appropriate for the climate and location would be used to revegetate disturbed areas.

Currently, it is estimated that 47 trees would be removed over an approximately 6.8-mile stretch between St. Helena and Calistoga. Approximately half of the trees are native trees, and the remaining are landscape plantings and non-native trees. Implementation of mitigation measure (MM) BIO-6 would require the replacement of protected trees consistent with local tree protection requirements for trees removed within local agency jurisdiction, applicable Caltrans requirements for trees removed within Caltrans ROW, and CDFW replanting requirements if any trees were to be removed within riparian areas under CDFW' jurisdiction. With the maturation of replacement trees, impacts to the visual character from the loss of trees would be reduced to a less than significant level.

Vertical features associated with the Vine Trail are limited to two PHB crossings and three bridges. Additional project elements include culvert extensions, retaining walls, and bridges. As discussed previously, the bridges and retaining walls would be designed to be harmonious with existing bridges and retaining walls in the area, consisting of earth tones and natural materials and other appropriate finishes appropriate with the surrounding environment. The PHB crossings would be constructed within a highway corridor near developed areas at one location. Also, due to the tree canopy and PHB crossing locations with respect to BNSVP, there would be limited to no visibility from sensitive viewer groups from within BNVSP.

When considering if an impact is significant in a rural environment, the visibility of the Vine Trail alignment depends on the visibility of the project components considering the area's landform (topography), land cover (vegetation and structures), and atmospheric conditions (dust, fog, precipitation). Most of the Vine Trail alignment would be at grade with few components extending above grade (PHB crossings, bridges, retaining walls, and fencing). The Vine Trail alignment would not significantly contrast with the existing environmental setting because most of the alignment would be constructed directly adjacent to and parallel to SR 29. A small portion of the trail would traverse through a generally undeveloped area in BNVSP. However, in this location, a majority of the Vine Trail would be constructed over existing gravel and paved roads,

and in a vegetated area between the SR 29 shoulder and access road to the park. The trail has been sited to minimize tree removal through BNVSP. Vegetation and tree removals would be subject to replanting requirements, as previously discussed.

Through carefully selected staging areas and trail alignment location and minimal vertical features , and implementation of MM-BIO-6 the proposed project would not significantly impact visual quality to sensitive viewer groups along the trail alignment and impacts would be less than significant.

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

Less Than Significant Impact. Project construction would occur during daylight hours only and no impacts from nighttime construction lighting would occur. The proposed project would result in the installation of lights associated with the PHBs in two locations on SR 29. No other lighting would be installed along the length of the trail.

Trail use at nighttime is anticipated to be low to negligible given the lack of lighting along the proposed trail alignment. Thus, lighting associated with the new PHB crossings and structures of the project would not substantially increase nighttime light and glare in the project area.

The crossings would be located in the SR 29 corridor adjacent to developed areas and near the park entrance at BNVSP in an area where viewer sensitivity is moderate. The two PHB crossings would result in the implementation of permanent, intermittent light sources.

Lighting associated with the PHB signals would be stationary and shielded in a manner to direct light away from adjacent properties, so as not to create spillage into adjacent areas. Lighting from the signals would be user-activated and operate for a short duration to facilitate pedestrian crossing.

The CalFire and Napa County Fire department buildings properties adjacent to the southern PHB crossing are not considered sensitive viewer groups. While the crossing is near BNVSP, views from within the park would be screened by tree canopy cover within the park, and the nearest recreational facility is comprised of a cemetery and trail. Thus, recreational user views of lighting associated with the southern crossing from within the park would be screened and not prolonged.

The northern PHB crossing would be located near the entrance to BNVSP where recreational users are exiting and entering the park and not where recreational users would be stationary and frequently exposed to lighting. Therefore, the project would result in a less than significant impact concerning a new source of light or glare.

4.2 Agriculture and Forestry Resources

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?		X		
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?		X		
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				X

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

Less Than Significant With Mitigation Incorporated. The Farmland Mapping and Monitoring Program (FMMP) rates the production potential of agricultural land according to the following classifications:

- Prime Farmland. Farmland with the best combination of physical and chemical features able to sustain long term agricultural production. This land has the soil quality, growing season, and moisture supply needed to produce sustained high yields. These are Class I and Class II soils.
- Farmland of Statewide Importance. Farmland similar to Prime Farmland but with minor shortcomings, such as greater slopes or less ability to store soil moisture. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.
- Unique Farmland. Farmland of lesser quality soils used for the production of the state's leading agricultural crops. This land is usually irrigated but may include non-irrigated orchards or vineyards as found in some climatic zones in California.
- Farmland of Local Importance. Land of importance to the local agricultural economy as determined by each county's board of supervisors and a local advisory committee.
- Grazing Land. Land on which the existing vegetation is suited to the grazing of livestock.
- Urban and Built-Up Land. Land occupied by structures with a building density of at least 1 unit to 1.5 acres, or approximately 6 structures to a 10-acre parcel. This land is used for residential, industrial, commercial, construction, institutional, public administration, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes.

Prime Farmland, Farmland of Statewide Importance, Unique Farmland, and Farmland of Local Importance are all Important Farmland and are collectively referred to as Important Farmland in this analysis. **Table 4.2-1: FMMP Farmland Designations within Project Boundary** shows the amount of Important Farmland within the project boundary.

Table 4.2-1: FMMP Farmland Designations within Project Boundary

FMMP Description	Acres within Jurisdictions						Grand Total (Area in Acres)	
	City of Calistoga		City of St. Helena		Napa County			
	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary	Permanent	Temporary
Important Farmland								
Farmland of Local Importance	0.000	0.000	0.000	0.000	0.160	0.114	0.160	0.11
Farmland of Statewide Importance	0.000	0.000	0.000	0.000	0.299	0.201	0.299	0.20
Prime Farmland	0.000	0.000	1.329	0.926	3.788	2.792	5.118	3.72
Unique Farmland	0.000	0.000	0.000	0.000	0.513	0.353	0.513	0.35
Total Important Farmland	**0**	**0**	**1.329**	**0.926**	**4.760**	**3.46**	**6.090**	**4.390**
Other Lands								
Grazing Land	0.000	0.000	0.000	0.000	0.233	0.154	0.233	0.150
Urban and Built-Up Land	0.000	0.001	0.031	0.035	1.561	1.633	1.592	1.670

Source: CDOC, 2016.

As noted in Table 4.2-2, the proposed project would require approximately 6.09 acres of permanent use and 4.39 acres of temporary construction easement within Important Farmland. Much of this Important Farmland is located along the perimeter of existing vineyards and functions as a buffer between the planted vineyards and the existing road. However, the removal of some vines may be required as a result of the proposed project. Vine removal would be coordinated with property owners. Implementation of MM AG-1 would ensure that sufficient agricultural land remains in the County and that this impact would be less than significant.

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

Less Than Significant With Mitigation Incorporated. **Table 4.2-2** shows the Williamson Act contracts that fall within the project boundary. The proposed project would require approximately 0.10 acres of permanent use of farmland protected under the Williamson Act. Implementation of MM AG-1 would ensure that sufficient agricultural land remains in the County and that this impact would be less than significant.

Pursuant to Government Code Section 51291(b), on June 5, 2020 NVTA provided written and e-mail notification to the following parties regarding the proposed acquisition of permanent easement over properties under Williamson Act Contract for the proposed project: California Department of Conservation, Napa County Planning Department, St. Helena Planning Department, and Napa County Board of Supervisors.

Table 4.2-2: Williamson Act Contracts

Williamson Act (WA) Contract Type	WA Contract Number	WA Description	Total Acres of WA Contract	WA Contract Area within Project Area		Percentage	
				SQ FT	Acres	% from WA Contract Total area	% from Vine Trail total Area (11 acres)
A	95251-AGK	Prime Agricultural Land	30.24	4,092.78	0.09	0.31%	0.81%
A	02599-AGK	Prime Agricultural Land	18.76	132.48	0.00	0.02%	0.03%
A	40883	Prime Agricultural Land	22.47	130.85	0.00	0.01%	0.03%
			Total	**4,356.12**	**0.10**	**0.34%**	**0.87%**

Source: Napa County, 2018

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

No Impact. The project site is not currently zoned for forest land, timberland, or timberland zoned for production. Therefore, improvements planned as part of the proposed project would not conflict with existing zoning or cause rezoning of any such land nor would it convert forest land to non-forest use. Therefore, no impacts would occur.

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

No Impact. There is no forest land located within the project area. As such, the proposed project would not affect any forest land or result in the conversion of forest land to non-forest use. Therefore, no impacts would occur.

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

No Impact. The proposed project would largely be located along, or parallel to, existing roadways. The proposed project would not result in any indirect impacts, such as limiting access to an agricultural use or creating a remnant agricultural parcel that may result in further conversion of farmland beyond what is discussed in 4.2a. As such there would be no impact.

Mitigation Measures

MM AG-1: The project applicant shall procure a long-term preservation of one acre of existing farmland of equal or higher quality for each acre of state-designated Prime Farmland, Farmland of Statewide Importance and Unique Farmland that would be converted to non-agricultural uses. This protection may consist of the establishment of farmland easements or other similar mechanism. The farmland to be preserved shall be located within the County and the preservation of such farmland shall occur prior to the conversion of the subject lands.

4.3 Air Quality

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

The proposed project is located in Napa County, which lies within the Bay Area Air Quality Management District (BAAQMD), which regulates air quality in the San Francisco Bay Area. Air quality conditions in the San Francisco Bay Area have improved significantly since the BAAQMD was created in 1955. In Napa and the rest of the air basin, exceedances of air quality standards occur primarily during meteorological conditions conducive to high pollution levels, such as cold, winless winter nights or hot, sunny summer afternoons.

The Air Monitoring Program of the BAAQMD operates a 28-station monitoring network which provides the data required to determine whether the Bay Area is in compliance with state and federal air quality standards. Pollutant monitoring results for the years 2016 through 2018 at the Napa County ambient air quality monitoring station is described below.

Ozone (O_3) levels, as measured by peak concentrations and the number of days over the state's 1-hour standard, have declined substantially as a result of the aggressive programs by the BAAQMD and other regional, state and federal agencies. The reduction of peak concentrations represents progress in improving public health; however, the Bay Area still exceeds the state standard for 1-hour and 8-hour ozone levels. In addition, the Bay Area was designated as a nonattainment area for the federal 8-hour ozone level. From 2016 to 2018 there was only one

exceedance of the 'state's 1-hour standard at the Napa air monitoring station. In addition, there have been 2 exceedances of the federal 8-hour standard during the 3-year period.

National and state standards have also been established for particulate matter 2.5 microns in diameter or less ($PM_{2.5}$), over 24-hour and yearly averaging periods. Fine particulate matter, because of the small size of the individual particles, can be especially harmful to human health. Fine particulate matter is emitted by common combustion sources such as cars, trucks, buses, and power plants, in addition to ground-disturbing activities. $PM_{2.5}$ levels exceeded the federal 24-hour standards 13 times in the 3-year period.

The Bay Area is a nonattainment area for the federal particulate matter 10 microns in diameter or less (PM_{10}) standard and a nonattainment area at the state level. No exceedances of the state or federal PM_{10} standard was recorded at the monitoring station from 2016 to 2018. Furthermore, no exceedances of the state or federal carbon monoxide (CO) standard were recorded at the monitoring stations during the 3-year period. The region is required to adopt clean air plans on a triennial basis that show progress towards meeting the state ozone standard. The latest regional plan was adopted in April 2017. This plan includes a comprehensive strategy to reduce emissions from stationary, area, and mobile sources through the expeditious implementation of all feasible measures, including transportation control measures (TCMs) and programs such as "Spare the Air."

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

Less than Significant Impact. Air quality plans describe air pollution control strategies and measures to be implemented by a city, county, region, and/or air district. The primary purpose of an air quality plan is to bring an area that does not attain federal and state air quality standards into compliance with the requirements of the federal Clean Air Act and California Clean Air Act. In addition, air quality plans are developed to ensure that an area maintains a healthful level of air quality based on the National Ambient Air Quality Standards (NAAQS) and the California Ambient Air Quality Standards (CAAQS). The Air Quality Management Plan (AQMP) is prepared by BAAQMD. The AQMP provides policies and control measures that reduce emissions to attain both state and federal ambient air quality standards.

The most recently adopted plan, the Clean Air Plan, in the Basin outlines how the San Francisco Bay Area will attain air quality standards, reduce population exposure and protect public health, and reduce greenhouse gas (GHG) emissions. The Clean Air Plan assumptions for projected air emissions and pollutants throughout the Basin are based on General Plan Land Use Designations. The project is a trail extension and would be consistent with the development assumptions for the surrounding land use. Additionally, the project would not increase regional population growth or cause changes in vehicle traffic that would obstruct implementation of the Clean Air Plan in the San Francisco Bay Area Basin. Additionally, the proposed project would not significantly affect regional vehicle miles traveled pursuant to the CEQA Guidelines (Section 15206). Therefore, population growth from the project would be consistent with the Association of Bay Area Governments (ABAG)’s projections for the City and with the City’s General Plan.

As described below, construction and operational air quality emissions generated by the proposed project would not exceed the BAAQMD's emissions thresholds. Since the proposed project will not exceed these thresholds, the proposed project would not be considered by the BAAQMD to be a substantial emitter of criteria air pollutants and would not contribute to any non-attainment areas in the Basin. In addition, projects are considered consistent with the 2017 Clean Air Plan if they incorporate all applicable and feasible control measures from the 2017 Clean Air Plan and would not disrupt or hinder implementation of any 2017 Clean Air Plan control measures. Therefore, the project is consistent with the applicable air quality plan and impacts would be less than significant.

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

Less Than Significant Impact. The BAAQMD 2017 CEQA Air Quality Guidelines provide criteria for determining cumulative impacts and consistency. The CEQA Air Quality Guidelines note that a project which is inconsistent with an Air Quality Plan would have a significant cumulative impact on regional air quality. As discussed in Impact (a) above, the project is consistent with the Air Quality Management Plan for the San Francisco Bay Area Air Basin (SFBAAB). In addition, the proposed project's construction and operational emissions would not exceed BAAQMD thresholds as discussed below.

Construction

During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by excavation, grading, hauling, and other activities related to construction. Emissions from construction equipment also are anticipated and would include CO, nitrogen oxides (NO_X), reactive organic gases (ROG), sulphur dioxide (SO_2), directly-emitted particulate matter (PM_{10} and $PM_{2.5}$), and toxic air contaminants (e.g., diesel exhaust PM).

The regional construction emissions associated with development of the proposed project were calculated using CalEEMod version 2016.3.2. For the purposes of the air quality analysis, site disturbance would be approximately 15 acres and the construction timeframe would be around nine months in duration. Construction would include grading, paving, and architectural coating. Typical construction detail equipment includes excavators, graders, scrapers, rollers, tractors, loaders, and air compressors. **Table 4.3-1** shows construction emissions for the project.

Table 4.3-1: Construction Emissions Summary and Significance Evaluation

Construction Year	Pollutant (maximum pounds per day)[1]					
	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO_x)	Exhaust		Fugitive Dust	
			Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
2021	15.10	43.45	1.98	1.82	5.79	4.90
BAAQMD Significance Threshold [2, 3]	*54*	*54*	*82*	*54*	*N/A*	*N/A*
Exceed BAAQMD Threshold?	**No**	**No**	**No**	**No**	**N/A**	**N/A**

1. Emissions were calculated using CalEEMod. Mitigated emissions include compliance with the BAAQMD's Basic Construction Mitigation Measures Recommended for All Projects. These measures include the following: water exposed surfaces two times daily; cover haul trucks; clean track outs with wet powered vacuum street sweepers; limit speeds on unpaved roads to 15 miles per hour; complete paving as soon as possible after grading; limit idling times to 5 minutes; properly maintain mobile and other construction equipment; and post a publicly visible sign with contact information to register dust complaints and take corrective action within 48 hours.
2. Bay Area Air Quality Management District, California Environmental Quality Act Air Quality Guidelines, updated May 2017.
3. BMPs = Best Management Practices. The BAAQMD recommends the implementation of all Basic Construction Mitigation Measures, whether or not construction-related emissions exceed applicable significance thresholds. Implementation of Basic Construction Mitigation measures are considered to mitigate fugitive dust emissions to be less than significant.

Source: Refer to the CalEEMod outputs provided in Appendix B, *Air Quality Data*.

As shown in **Table 4.3-1: Construction Emissions Summary and Significance Evaluation**, construction of the proposed project would not cause exceedances for ROG, NO_x, $PM_{2.5}$, and PM_{10}. The calculated emission results for ROG, NO_x, $PM_{2.5}$, and PM_{10} from CalEEMod demonstrate that the construction of this project would not exceed maximum daily thresholds created by the BAAQMD. The proposed project emissions would not worsen ambient air quality, create additional violations of federal and state standards, or delay the Basin's goal for meeting attainment standards. Construction impacts would be less than significant.

Operational

Long-term operational emissions are typically attributed to vehicle trips (mobile emissions), the use of natural gas (energy source emissions), and consumer products, architectural coatings, and landscape maintenance equipment (area source emissions). Implementation of the proposed project would enhance pedestrian safety, increase connectivity and mobility, and provide access for bicyclists and pedestrians. The project would serve existing pedestrians and bicyclists and would not generate growth. The proposed project does not include any new housing but instead is a pedestrian connection that would enhance existing facilities. Further, the proposed project would not generate new vehicle trips and no stationary sources are proposed. Therefore, operational emissions are less than significant and no mitigation is required.

c) *Expose sensitive receptors to substantial pollutant concentrations?*

Less Than Significant. Under CEQA, residences, schools, daycare centers, and healthcare facilities, such as hospitals, or retirement and nursing homes, are considered sensitive receptors. Single-family residences are located along the trail extension. The trail would be located approximately 10 feet from the nearest residential property line. However, the nearest residential structures are approximately 50 feet from the proposed trail. The proposed project involves an extension of an existing trail which would not result in stationary emissions. The project would not include parking spaces or change existing land use activities; therefore, the project would not result in a substantial increase in traffic-related pollutant concentrations that could affect sensitive receptors. Further, the dust and equipment exhaust emissions during construction would be minimal and would be controlled by compliance with BAAQMD Basic Construction Mitigation Measures.

Construction and Operation Period Toxic Air Contaminant Impacts

A toxic air contaminant (TAC) is an air pollutant that may cause or contribute to an increase in mortality or serious illness, or that may pose a hazard to human health. TACs are usually present in minute quantities in the ambient air; however, their high toxicity or health risk may pose a threat to public health even at low concentrations. The health risk associated with high concentrations of diesel exhaust from construction equipment has a carcinogenic and chronic effect, but no short-term acute effect is currently recognized.

The project could potentially expose sensitive receptors to temporary health hazards associated with TACs due to the operation of construction equipment. However, concentrations of mobile source diesel particulate matter would only be present during temporary construction activities, and as previously shown in Table 4.3-1, PM_{10} emissions associated with construction activities would be well below the 82 lb/day threshold established by BAAQMD. Furthermore, the project operation emissions would be negligible (i.e., less than 2 pounds per day); therefore, no operational TAC impacts would occur. Compliance with BAAQMD recommended dust control measures would further reduce PM_{10} emissions. The health risk associated with construction emissions would be less than significant and no mitigation is required.

Operational CO Hotspots

Localized high levels of CO (CO hotspot) are associated with traffic congestion and idling or slow-moving vehicles. Impacts related to CO hotspots would be less than significant because the proposed project would not generate new vehicle trips and would only have short-term temporary traffic impacts during construction. The primary purpose of the project is to enhance pedestrian safety and increase connectivity, mobility, and access for bicyclists and pedestrians. Pedestrians and bicyclists and adjacent residents would not be exposed to substantial pollutant concentrations and the impact would be less than significant.

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

No Impact. Construction activities associated with the project may generate detectable odors from heavy-duty equipment (e.g., diesel exhaust), as well as from architectural coatings and asphalt off-gassing. Odors generated from the referenced sources are common in the man-made environment and are not known to be substantially offensive to adjacent receptors. Any construction-related odors would be short-term in nature and cease upon project completion.

BAAQMD has established odor screening thresholds for land uses that have the potential to generate complaints about substantial odors, including wastewater treatment plants, landfills or transfer stations, composting facilities, confined animal facilities, food manufacturing, and chemical plants. BAAQMD's thresholds for odors are qualitative based on BAAQMD's Regulation 7: Odorous Substances. This rule places general limitations on odorous substances and specific emission limitations on certain odorous compounds. The proposed Project would not be a source of objectionable odors therefore no impact would occur.

4.4 Biological Resources

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

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X

The following section is a summary of the Natural Environmental Study (NES)[5] prepared for the proposed project. The NES identified and reviewed the potential for impacts to special status biological resources within a Biological Study Area (BSA). The BSA is a 99.7 acre area which contains areas that would be permanently and temporarily impacted [i.e., Project Impact Area(PIA)] by the proposed project plus a buffer to accommodate changes to project limits and to consider potential indirect effects.

The PIA is 21.4 acres and consists of 11.7 acres of permanent features that would be constructed (i.e., trail path with shoulders and structures) and 9.7 acres of temporary impacts (i.e., areas that would be temporarily disturbed to construct the project).

The trail alignment is located adjacent to or on the shoulder of SR 29, local roads, and along the edge of existing vineyards, buildings, and BNVSP. The project is near or parallel to SR 29 for a majority of its length. Areas adjacent to SR 29 and roadways are generally comprised of disturbed areas, non-native weedy plants or ornamental species planted for landscaping. Thus, while various vegetation communities were observed in the project area, a majority of the trail is located in a highly disturbed area.

Ten vegetation community types were mapped within the project site: 1) seasonal wetlands that include one vernal pool vegetation community 2) coast live oak woodland; 3) coast live oak riparian; 4) valley oak woodland; 5) valley oak woodland riparian; 6) mixed oak woodland riparian; 7) blue oak woodland; 8) willow riparian; 9) Vineyards (including ruderal/weedy areas); and 10) landscaped areas with non-native grassland. Areas that were mapped as developed generally lack vegetation and include paved areas and parking lots. Developed areas are not an official vegetation type. Vegetation communities and waters identified in the project area are shown in **Figures 4A-J: Vegetation and Habitats in the Project Area** and described in detail in the NES.

Sensitive Natural Communities within the BSA include a vernal pool wetland, wetland ditches, riparian habitats, and valley oak woodland and riparian communities.

[5] Wildlife Research Associates 2020. Natural Environmental Study Napa Valley Vine Trail – St. Helena to Calistoga Napa County Project. April 2020.

The proposed project would have potential indirect impacts on one special status plant species and potential direct and indirect impacts on seven special status animal species. Direct impacts to animal species could result from the temporary or permanent loss of habitat while indirect impacts could result from construction activities near suitable habitat for the species.

Certain actions that may impact Special Status Species and habitats are regulated by state and federal laws and applicable permits and agency approvals would be obtained for the project (Table 5-1 of the NES, Appendix C).

Special Status Plants. Special status plant species are those species that are legally protected under the Federal Endangered Species Act (FESA) and/or California Endangered Species Act (CESA) as listed or proposed for listing as threatened or endangered, as well as California Native Plant Society Rank 1 and 2 plants. **Table 4.4-1** summarizes special-status plants and their potential to occur in the project area. Of the 50 plant species listed in the table, potential habitat occurs for 10 species though 9 were not present in the area. One special status species is known to be present within the BSA (See **Table 4.4-1**).

The majority of the project area occurs near or adjacent to SR 29, within established vineyards and wineries also located along SR 29. The project area has been altered as part of prior development; the areas of roadside vegetation and surrounding vineyards are largely comprised of non-native, weedy plants or ornamental species planted for landscaping. These areas, in general, would not support habitat for the special status plants known to occur in the area. Within the BSA, York Creek, Mill Creek, Ritchey Creek, Napa River and BNVSP have relatively unaltered and native plant communities where the potential for special status plants to occur is more likely. However, the trail in these locations would be constructed in upland areas or on existing roads and previously disturbed areas. Thus, impacts so special status plants are not anticipated in these areas.

One federal and state listed plant, Sebastopol meadowfoam, was observed in a large single vernal pool type wetland. Within the total wetland area, most of which occurs outside of the BSA, there are likely several thousand individuals of Sebastopol meadowfoam. A study was conducted by LSA in June 2019 (LSA 2019) to estimate the population of Sebastopol meadowfoam in the area The trail is located greater than 5 feet from known occupied habitat. In addition, runoff from the trail in this area is conveyed to nearby upland area to avoid the occupied habitat. In addition, the trail alignment has been designed to avoid this portion of the wetland and as a result Sebastopol meadowfoam do not coincide within the project footprint.

Valley oak woodland and valley oak woodland riparian vegetation are considered a Sensitive Natural Community (Sawyer et al. 2008; CDFW 2020). Small areas of individual groups of valley oaks that were considered to be of value to wildlife were mapped as valley oak woodland. One drainage in the northern portion of the study area adjacent to Twomey Vineyards is mapped as a valley oak riparian community. Approximately 0.87 acres of valley oak woodland and 0.33 acres of valley oak riparian were mapped within the BSA.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Clara Hunt's milk-vetch *Astragalus claranus*	FE/CT/1B	Openings in chaparral, woodlands near mountains, valley and foothill grassland on serpentinite or volcanic, rocky or clay soils. Blooms March to May. Elevation: 75-275 m. Occurrence #7 from Bale Grist Mill State Historic Park [California Natural Diversity Database (CNDDB 2020)].	A	A	**None.** Typical habitat not present in BSA and species was not observed in the trail alignment.
Loch Lomond button-celery *Eryngium constancei*	FE/CE/1B	Volcanic ash flow vernal pools. Blooms April-June. Elevation: 460-855 m. Occurrence #2 from Diamond Mountain (CNDDB 2020)	A	A	**None.** No volcanic ash flow vernal pools within BSA. The project is below the elevational range of this species. Not observed during surveys.
Burke's goldfields *Lasthenia burkei*	FE/CE/1B	Meadows and seeps (mesic), vernal pools. April-June. Elevation: 15-600m. Occurrence #36 from near Calistoga Geyser, only sources is a 1929 Baker collection that needs fieldwork (CNDDB 2019).	P	A	**None.** No species of *Lasthenia* were observed within the project study area during multiple surveys. Wetlands in the BSA do not support any species of *Lasthenia.*
Contra Costa goldfields *Lasthenia conjugens*	FE/-/1B	Woodlands near mountains, playas (alkaline), valley and foothill grassland, vernal pools/ mesic. Blooms March-June. Elevation: 0-470m. No records from within 5 miles of the study area.	A	A	**None.** Not observed during surveys. Typical habitat not present. No areas of alkaline soils within BSA.
Sebastopol meadowfoam *Limnanthes vinculans*	FE/CE/1B	Meadows and seeps, valley and foothill grassland, vernal pools/vernally mesic. April-May. Elevation: 15-305m. within Biological Study Area.	P	P	**Present.** This species was observed in the wetland area on private property

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Calistoga popcornflower *Plagiobothrys strictus*	FE/CT/1B	Meadows and seeps, valley and foothill grassland, vernal pools/alkaline areas near thermal springs. Blooms March-June. Elevation 90-160m. Recorded occurrences #2, 3 and 4 on Calistoga quad (CNDDB 2019) listed as sensitive, location suppressed.	A	A	**None.** Not observed during surveys. Typical habitat not present in study area. No alkaline areas near thermal springs within BSA.
Napa bluegrass *Poa napensis*	FE/CE/1B	Meadows and seeps, valley and foothill grassland/alkaline, near thermal springs. Blooms May-August. Elevation: 100-200m. Recorded occurrence #1 and 3 located WNW of Calistoga and at the Calistoga Airport (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not present in study area. No alkaline areas near thermal springs within the BSA.
Napa false indigo *Amorpha californica* var. *napensis*	-/-/1B	Broad-leafed upland forest (openings), chaparral, woodlands near mountains; specifically, openings in forest or woodland or in chaparral. Blooms April-July. Elevation: 120-2000m. Multiple occurrences within 5 miles of the BSA (CNDDB 2020).	P	A	**None**. Not observed during surveys. This species has been recorded within Bothe-Napa Valley Park but was not observed within the BSA. This is a perennial species, easily identifiable by leaves even when not in flower. No individuals of this species were observed in the BSA. The potential habitat within the BSA does not appear to support this species.
Rincon Ridge manzanita *Arctostaphylos stanfordiana* ssp. *decumbens*	-/-/1B	Chaparral on soils with high silica content and woodlands near mountains. Highly restricted and localized to a red rhyolite soil type in Sonoma County. Blooms February to April (sometimes May). Elevation: 75-370m. Occurrence #14 from west of Calistoga (CNDDB 2020).	A	A	**None**. Not observed during surveys. No habitat in BSA. No rhyolitic soils.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Brewer's milk-vetch *Astragalus breweri*	-/-/4	Meadows and seeps, valley and foothill grassland in open and often gravelly areas and often on serpentinite or volcanic soils. Blooms April-June. Elevation: 90-730m. Noted in occurrence #1 with *Poa napensis* WNW of Calistoga and in occurrence #50 for coastal and valley freshwater marsh at same location; occurrence #2 with *Plagiobothrys strictus*, location sensitive (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.
Clevelands's milk-vetch *Astragalus clevelandii*	-/-/4	Chaparral, woodlands near mountains, riparian forest on serpentinite seeps. Blooms June-September. Elevation: 200-1500m. No recorded occurrences in CNDDB. This listing is from the CNPS search.	A	A	**None.** Not observed during surveys. No habitat in BSA. No serpentine seeps. No impact.
Narrow-anthered brodiaea *Brodiaea leptandra*	-/-/1B	Broad-leafed upland forest, chaparral, woodlands near mountains, lower montane coniferous forest, valley and foothill grassland on volcanic soils. Blooms May to July. Elevation: 110-915m Occures within each area and within BNVSP (CNDDB 2020).	A	A	**None.** Not observed during surveys. There are known occurrences of this species in BNVSP but the plant was not observed within the BSA. The typical habitat is lacking in the BSA. No impact.
Serpentine reed grass *Calamagrostis ophitidis*	-/-/4	Chaparral (open, north-facing slopes), lower elevation coniferous forests, meadows and seeps, valley and foothill grassland on serpentinite and rocky soils. Blooms April to July. Elevation: 90-1065m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not present in BSA.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Johnny-nip *Castilleja ambigua* var. *ambigua*	-/-/4	Coastal bluff scrub, coastal prairie, coastal scrub, marshes and swamps, valley and foothill grassland, vernal pools margins. Blooms March to August. Elevation: 0-435m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.
Rincon Ridge ceanothus *Ceanothus confusus*	-/-/1B	Closed-cone coniferous forest, chaparral, woodlands near mountains on volcanic or serpentinite soil. Blooms February to June. Elevation: 75-1065m. Occurrence #37 from Spring Mtn. Rd (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.
Calistoga ceanothus *Ceanothus divergens*	-/-/1B	Chaparral on serpentinite or volcanic, rocky soils. Blooms February to April. Elevation 170-950m. Six recorded occurrences within database search area between Calistoga and St. Helena (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentine soils in BSA.
Holly-leaved ceanothus *Ceanothus purpureus*	-/-/1B	Chaparral, woodlands near mountains on volcanic, rocky soils. Blooms February to June. Elevation: 120-640m. A few occurrences in vicinity, one west of Howell Mtn. (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.
Sonoma Ceanothus *Ceanothus sonomensis*	-/-/1B	Chaparral on sandy, serpentinite or volcanic soils. Blooms February to April. Elevation: 215-800m. Occurrence #29 from NW of Los Alamos School from 1932; occurrence #34 from E of Pope Valley (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Pappose tarplant *Centromadia parryi* ssp. *parry*	-/-/1B	Chaparral, coastal prairie, meadows and seeps, coastal salt marshes and swamps, valley and foothill grassland on vernally mesic, often alkaline sites. May-November. Elevation: 2-420m. Occurrence #14 from Tubbs Lane; occurrence #15 from near Calistoga airport (CNDDB 2020).	A	A	**None.** Not observed during surveys. No alkaline sites.
Brewer's clarki *Clarkia breweri*	-/-/4	Chaparral, woodlands near mountains, coastal scrub, often on serpentinite soils. Blooms April to June. Elevation: 215-1115m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.
Tracy's clarkia *Clarkia gracilis* ssp. *tracyi*	-/-/4	Chaparral, openings, usually on serpentinite soils. Blooms April to July. Elevation: 65-650m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in study area. No chaparral or serpentinite in BSA.
Serpentine collomia *Collomia diversifolia*	-/-/4	Chaparral, woodlands near mountain on serpentinite, rocky or gravelly soils. Blooms May to June. Elevation: 300-600m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite in BSA.
Serpentine bird's-beak *Cordylanthus tenuis* ssp. *brunneus*	-/-/4	Closed-cone coniferous forest, chaparral, woodlands near mountainusually on serpentinite soil. Blooms July to August. Elevation: 475-915m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite in BSA.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Swamp larkspur *Delphinium uliginosum*	-/-/4	Chaparral, valley and foothill grassland on serpentine seeps. Blooms May to June. Elevation: 340-610m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite seeps in BSA.
Streamside daisy *Erigeron biolettii*	-/-/3	Broadleafed upland forest, cismontane woodland, North Coast coniferous forest on rocky and mesic sites. Blooms June-October. Elevation 30-1100m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.
Greene's narrow-leaved daisy *Erigeron greenei*	-/-/1B	Chaparral on serpentinite or volcanic soils. Blooms May-September. Elevation: 80-1005m. Occurrence #5 from St. Helena, only source is an 1891 collection (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite in BSA.
Jepson's coyote-thistle *Eryngium jepsonii*	-/-/1B	Valley and foothill grassland, vernal pools on clay soils. Blooms April to August. Elevation: 3-300m. Occurrence #15 from Pope Canyon Rd (CNDDB 2020).	**P**	**A**	**None.** Not observed during surveys. Plants in the genus *Eryngium* are easily identifiable by leaves. No individuals in this genus were observed within the BSA. The potential habitat within the BSA does not appear to support this species. Soils in the vernal pool area are loamy soils and not clay soils.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Nodding harmony *Harmonia nutans*	-/-/4	Chaparral, woodlands near mountains/rocky or gravelly, volcanic. Blooms: March-May. Elevation: 75-975m. Noted in occurrence #43 for *Lupinus sericatus* located SW of Calistoga and occurrence #44 west of Diamond Mtn (CNDDB 200).	A	**A**	**None.** Not observed during surveys. Typical habitat not in BSA.
Two-carpellate western flax *Hesperolinon bicarpellatum*	-/-/1B	Chaparral on serpentinite. Blooms May-July. Elevation: 60-1005m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	**A**	**None.** Not observed during surveys. No habitat in BSA –no chaparral or serpentinite.
Sharsmith's western flax *Hesperolinon sharsmithiae*	-/-/1B	Chaparral on serpentinite. Blooms May to July. Elevation: 270-300m. Occurrence #18 from Conn Valley; occurrence #19 near Las Posadas State Park; occurrence #20 from Okin Ranch (CNDDB 2020).	A	**A**	**None.** Not observed during surveys. No habitat in BSA –no chaparral or serpentinite.
Colusa layia *Layia septentrionalis*	-/-/1B	Chaparral, woodlands near mountain, valley and foothill grassland/sandy, serpentinite. Blooms April-May. Elevation: 100-1095m. Occurrence #17 from Howell Mtn (CNDDB 2020).	A	**A**	**None.** Not observed during surveys. Typical habitat is not present in in study area BSA.
Jepson's leptosiphon *Leptosiphon jepsonii*	-/-/1B	Chaparral, woodlands near mountain, usually volcanic. Blooms March to May. Elevation: 100-500m. Multiple occurrences east of the BSA (CNDDB 2020).	A	**A**	**None.** Not observed during surveys. Typical habitat is not present in BSA.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Woolly-headed Lessingia *Lessingia hololeuca*	-/-/3	Broadleafed upland forest, coastal scrub, lower montane coniferous forest, valley and foothill grassland/clay, serpentinite. Blooms June-October. Elevation: 15-305m. Noted from occurrence near Tubbs lane (CNDDB 2020).	A	**A**	**None.** Not observed during surveys. Typical habitat is not present in BSA.
Napa lomatium *Lomatium repostum*	-/-/4	Chaparral, woodlands near mountains on serpentinite soil. Blooms March-June. Elevation: 90-830m. Noted from occurrence #36 for *Ceanothus purpureus* for near Bell Canyon Reservoir (CNDDB 2020).	A	**A**	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite.
Cobb Mountain lupine *Lupinus sericatus*	-/-/1B	Broadleafed upland forest, chaparral, woodlands near mountain, lower montane coniferous forest. Blooms March-June. Elevation: 275-1525m. Multiple occurrences for Calistoga and St. Helena quadrangles (CNDDB 2020).	P	**A**	**None.** Not observed during surveys. This is a perennial species that would have been identifiable during the surveys but was not observed. The microhabitat for this species is in sands of knobcone pine-oak woodland on open wooded slopes in gravelly soils, sometimes on serpentine. This microhabitat is not present in the BSA.
Mt. Diablo cottonweed *Micropus amphibolus*	-/-/3	Broad-leafed upland forest, chaparral, woodlands near mountain, valley and foothill grassland in rocky areas. Blooms March to May. Elevation: 45-825 m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	P	**A**	**None.** Not observed during surveys.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Green monardella *Monardella viridis*	-/-/4	Broad-leafed upland forest, chaparral, woodlands near mountains. June-September. Elevation: 100-1010m. Noted as occurring with *Ceanothus purpureus* in occurrence #36 from 4 corners (CNDDB 2020).	P	**A**	**None.** Not observed during surveys. Typical habitat not present in the BSA
Cotula navarretia *Navarretia cotulifolia*	-/-/4	Chaparral, woodlands near mountains, valley and foothill grassland on adobe soils. Blooms May to June. Elevation: 4-1830 m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	P	**A**	**None.** Not observed during surveys. Typical habitat not present in the BSA
Baker's navarretia *Navarretia leucocephala* ssp. *bakeri*	-/-/1B	Woodlands near mountain, lower montane coniferous forest, meadows and seeps, valley and foothill grassland, vernal pools/mesic. Blooms April to July. Elevation: 5-1740m. Occurrence #14 near Calistoga from 1903 collection considered extirpated; occurrence #25 from Pope Valley (CNDDB 2020).	P	**A**	**None.** Not observed during surveys. No individuals of this genus or species were observed in the BSA and the seasonal wetland areas. The habitats in the BSA do not appear to support this species.
Sonoma beardtongue *Penstemon newberryi* var. *sonomensis*	-/-/1B	Chaparral on rocky soils. Blooms April to August. Elevation: 700-1370m. Occurrence #7 from TNC Cleary Reserve (CNDDB 2020).	A	**A**	**None.** No habitat in project area.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
California alkali grass *Puccinellia simplex*	-/-/1B	Upland scrub, meadows and seeps, valley and foothill grassland, vernal pools/alkaline, vernally mesic, sinks, flats and lake margins. Blooms March to May. Elevation 2-930m. Occurrence #62 near Calistoga (CNDDB 2020).	A	**A**	**None.** No habitat in project area. Not observed during surveys.
Lobb's aquatic buttercup *Ranunculus lobbii*	-/-/4	Woodlands near mountains, North Coast coniferous forest, valley and foothill grassland, vernal pools/mesic. Blooms February to May. Elevation: 15-470m. Noted in occurrence #11 for Northern Vernal Pool located near Pope Valley Rd (CNDDB 2020).	P	**A**	**None.** Not observed during surveys. No individuals of this genus or species were observed in the BSA and the seasonal wetland areas. The habitats in the BSA do not appear to support this species.
Cleveland's ragwort *Senecio clevelandii* var. *clevelandii*	-/-/4	Chaparral in serpentine seeps. Blooms June to July. Elevation: 365-900m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	**A**	**None.** No habitat in study area. Not observed during surveys.
Napa checkerbloom *Sidalcea hickmanii ssp. Napensis*	-/-/1B	Chaparral on rhyolitic soils (e.g. high silica content). Blooms April-June. Elevation: 415-610m. Occurrence #2 from near summit of Spring Mtn. Rd from a 1942 collection (CNDDB 2020).	A	**A**	**None.** Not observed during surveys. No habitat in study area.
Marsh checkerbloom *Sidalcea oregana* ssp. *hydrophila*	-/-/1B	Meadows and seeps, riparian forest/mesic. Blooms July-August. Elevation 1100-2300m. Occurrence #1 from Angwin, Howell Mtn. based on a 1888 and 1893 collections. Callizo (1982) report that habitat for this species has been destroyed in this area (CNDDB 2020).	A	**A**	**None.** Not observed during surveys. Typical habitat not present in BSA.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Long-styled sand-spurrey *Spergularia macrotheca* var. *longistyla*	-/-/1B	Meadows and seeps, marshes and swamps in alkaline soils. Blooms February to May. Elevation: 0-255m. Occurrence #19 for Calistoga airport; occurrence #20 for Myrtledale Rd and Tubbs Lane (CNDDB 2020).	A	**A**	**None.** No alkaline soils. Not observed during surveys.
Green jewel-flower *Streptanthus hesperidis*	-/-/1B	Chaparral (openings), woodlands near mountains on serpentinite and rocky soils. Blooms May-July. Elevation: 130-760m. Occurrence #4 from N. edge of Las Posadas State Forest (CNDDB 2020).	A	**A**	**None.** Not observed during surveys. No serpentinite habitat in BSA.
Marsh zigadenus *Toxicoscordion fontanum*	-/-/4	Chaparral, woodlands near mountains, lower montane coniferous forest, meadows and seep, marshes and swamps in vernally mesic areas, often on serpentinite soils. Blooms April to July. Elevation: 15-1000m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	P	**A**	**None.** Not observed during surveys. No individuals of this genus or species were observed in the BSA and the seasonal wetland areas. The habitats in the BSA do not appear to support this species.
Napa bluecurls *Trichostema ruygtii*	-/-/1B	Chaparral, woodlands near mountains, lower montane coniferous forest, valley and foothill grassland, vernal pools. Blooms: June-October. Elevation: 30-680m. Occurrence #3 from Las Posadas State Forest (CNDDB 2020).	P	**A**	**None.** Not observed during surveys. No individuals of this genus or species were observed in the BSA and the seasonal wetland areas. This species is easily identifiable by the aromatic leaves. The habitats in the BSA do not appear to support this species.

Table 4.4-1: Special Status Plant Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale
Saline clover *Trifolium hydrophilum*	-/-/1B	Marshes and swamps, valley and foothill grassland (mesic, alkaline), vernal pools. April-June. Elevation: 0-300m. Occurrence #18 form Calistoga airport; occurrence #50 from Tubbs Lane (CNDDB 2020).	P	**A**	**None.** Not observed during surveys. There are no alkaline soils in the BSA that would support this species.
Special Status Vegetation Communities					
Vernal Pool			**P**	**Present.** Private property.	
Valley Oak Woodland and Riparian			**P**	**Present.** S2 waters of the US at Twomey Cellars property.	

U.S. FISH AND WILDLIFE SERVICE

FE = federally listed endangered

FT = federally listed threatened

CALIFORNIA DEPT. OF FISH AND WILDLIFE

CE = California listed endangered

CR = California listed as rare

CT = California listed as threatened

CALIFORNIA NATIVE PLANT SOCIETY

Rank 1B: Plants rare and endangered in California and elsewhere

Rank 2B: Plants rare and endangered in California but more common elsewhere

Rank 3: Plants about which more information is needed

Rank 4: Plants of limited distribution – a watch list

Source: Natural Environment Study/Biological Resource Assessment Napa Valley Vine Trail – St. Helena to Calistoga (Appendix C)

Special Status Animals. Special status animal species include those listed as threatened or endangered or candidates for listing under the FESA or CESA, State Species of Special Concern (as designated by the California Department of Fish and Wildlife); and other rare species, including those on the "Special Animals List" as maintained by CDFW. Plant and animal species were evaluated for their potential to occur within United States Geological Survey Quadrangle maps that intersect the project area for federally protected species and within a 5-mile radius for species observations from CNDDB. Thirty-six species were identified as having the potential to occur in the project area. **Table 4.4-2** summarizes species with potential habitat present in the area and/or which are known to be present. Of the 36 species evaluated, a total of 7 species either federally or state listed or are species of conservation concern are known to occur or have high likelihood to occur within the project site[6] including:

- California freshwater shrimp
- steelhead – Central California Coast Distinct Population Segment (DPS)
- Chinook salmon- Central Valley and late fall run Evolutionarily Significant Unit (ESU)
- foothill yellow-legged frog
- western pond turtle
- pallid bat
- western red bat

In addition to the above, the following birds of conservation concern or nesting birds and raptors known to occur or that have a high likelihood to occur in the BSA:

- Cooper's hawk – Species of Special Concern (SSC)
- sharp-shined hawk - SSC
- oak titmouse – Bird of Conservation Concern (BCC)
- spotted towhee – BCC

[6] The project site is defined as all areas to be affected directly or indirectly by the Federal action, and not merely in the immediate area involved in the action (50 CFR Sect. 402.02) and was analyzed for the combined area of direct and indirect effects to special-status species. The project site is within the BSA, but it does not occupy the entire BSA.

Table 4.4-2: Special Status Animal Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/absent	Species present/absent	Potential for Occurrence and Rationale
California freshwater shrimp *Syncaris pacifica*	FE/SE	Endemic to Napa, Sonoma and Marin Counties. Occurs in low elevation and low gradient streams with moderate to heavy riparian cover. Napa River between St Helena and Calistoga is an important area for California freshwater shrimp. Nearest occurrence is upstream in the Napa River (CNDDB 2020).	P	P	**High**: suitable habitat present in Napa River. No work will occur in the Napa River drainage. AMMs prevent loss of habitat and prevent take of individuals.
Delta smelt *Hypomesus transpacificus*	FT/-	Sacramento-San Joaquin delta. Seasonally in Suisun Bay, Carquinez Strait & San Pablo Bay. Seldom found at salinities > 10ppt. Most often at salinities <2ppt.	A	A	**None**: no suitable habitat present.
steelhead - Central California Coast DPS *Onchorhynchus mykiss*	FT	Requires beds of loose, silt-free, coarse gravel for spawning. Also needs cover, cool water and sufficient dissolved oxygen. Napa River between St Helena and Calistoga is an important area for salmon spawning (CNDDB 2020).	P	P	**High**: suitable occupied habitat present in Napa River. No work will occur in the Napa River drainage. AMMs prevent loss of habitat and prevent take of individuals.
Chinook salmon – Central Valley and late fall run California Coast ESU *Onchorhynchus tshawytscha*	FT	Spawn primarily in riffles at the downstream end of pools with appropriately sized gravel (1/2 inch to 3 inches), sufficient depth and nearby cover. In Napa River, spawning typically occurs in November and December with the onset of winter rains.	P	A	**Low**: No work will occur in the Napa River drainage

Table 4.4-2: Special Status Animal Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/absent	Species present/absent	Potential for Occurrence and Rationale
California red-legged frog *Rana draytonii*	FT/ SSC	Prefers semi-permanent and permanent stream pools, ponds and creeks with emergent and/or riparian vegetation. Occupies upland habitat especially during the wet winter months. Nearest occurrence is within City of Calistoga in 1915 and Howell Mtn Road, SW of Pope Valley more than 5 miles east (CNDDB 2020).	A	A	**None**: no suitable habitat present. No work will occur in the Napa River drainage. Species not reported on the valley floor. No hydrologic connect to known occurrences to the east.
northern spotted owl *Strix occidentalis caurina*	FT, BCC/CT	Dense coniferous and hardwood forest, shaded, steep-sided canyons. Approx. 1.176 miles SW of project area (CNDDB 2020).	A	A	**None**: no suitable habitat present. Construction noise similar to ambient noise on SR 29 and BNVSP.
Obscure bumblebee *Bombus calignosus*	-/-	Food plants include *Baccharis, Circium, Lupinus, Lotus, Grindelia* and *Phacelia*. Not reported within 5 mi (CNDDB 2020).	P	A	**Low**: Potential wetland habitat with foraging plants exist in BSA, however a lack of burrows and other habitat features results in low quality or unsuitable habitat
Western bumblebee *Bombus occidentalis*	-/SCE	Generalist foragers. They do not depend on any one flower type but they favor *Melilotus, Cirsium, Trifolium, Centaurea, Chrysothamnus, Eriogonum*. Historically occurred from the Pacific coast to the Rocky Mountains; severe population decline west of the Sierra-Cascade Crest. Calistoga (1953) (CNDDB 2020).	P	A	**Low**: Potential wetland habitat with foraging plants exist in BSA, however a lack of burrows and other habitat features results in low quality or unsuitable habitat.

Table 4.4-2: Special Status Animal Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/absent	Species present/absent	Potential for Occurrence and Rationale
California giant salamander *Dicamptodon ensatus*	-/-	Known from wet coastal forests near streams and seeps. Larvae found in cold, clear streams and adults knowns from wet forests under rocks and logs near streams and lakes. Approx. 7.5 air mi WNW of St. Helena (CNDDB 2020).	A	A	**None**: no suitable habitat present.
foothill yellow-legged frog **Northwest/North Coastal Clade** *Rana boylii*	-/SSC	Prefers permanent stream pools, and creeks with emergent and/or riparian vegetation. Napa River, ~2 mi ESE of Calistoga (CNDDB 2020).	P	P	**High**: suitable habitat present in Napa River. No work will occur in Napa River.
Red-bellied newt *Taricha rivularis*	-/SSC	Spends dry season underground within root channels. Requires rapid streams with temps between 15°C and 26° C and rocky substrate for breeding and egg-laying. The species has been reported in Santa Rosa (CNDDB 2020).	A	A	**None**: no suitable habitat present.
western pond turtle *Emys marmorata*	UR/ SSC	Prefers permanent, slow-moving creeks, streams, ponds, rivers, marshes and irrigation ditches with basking sites and a vegetated shoreline. Requires upland sites for egg-laying. Reported in Napa River in Calistoga (CNDDB 2020).	P	P	**High**: suitable habitat present in Napa River. No work will occur in Napa River.
Cooper's hawk *Accipiter cooperi*	MBTA/ SSC,WL	Nests primarily in deciduous riparian forests. May also occupy dense canopied forests from gray pine-oak woodland to redwood forests. Forages in open woodlands.	P	P	**Moderate:** individual trees in BSA may provide nesting habitat.

Table 4.4-2: Special Status Animal Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/absent	Species present/absent	Potential for Occurrence and Rationale
sharp-shined hawk *Accipiter striatus*	MBTA/ SSC	Dense canopy pine or mixed conifer forest and riparian habitats. Water within one mile required. 1 mi WSW of Calistoga (CNDDB 2020).	P	P	**Moderate:** individual trees in BSA may provide nesting habitat.
golden eagle *Aquila chrysaetos*	MBTA/ CFP	Forages in a variety of habitats including grasslands, chaparral and oak woodland supporting abundant mammals. Nests on cliffs and escarpments and tall trees.	A	A	**None**: no suitable habitat present.
Oak titmouse *Baeolophus inornatus*	MBTA, BCC/ -	Breeds in cavities in oak woodlands, gleaning insects from the bark. Occurs from southern Oregon to northern Mexico along the Central Valley and xeric coastal foothills.	P	P	**Moderate:** individual trees in BSA may provide nesting habitat.
Lawrence's goldfinch *Carduelis lawrencei*	MBTA, BCC/	Nests in open woodlands, chaparral and weedy fields in trees	A	A	**None**: no suitable habitat present.
Wrentit *Chamaea fasciata*	MBTA, BCC	Nests in coastal scrub and chaparral.	A	A	**None**: no suitable habitat present.
American peregrine falcon *Falco peregrinus anatum*	MBTA, BCC/CFP	Nests and roosts on protected ledges of high cliffs, usually adjacent to lakes, rivers or marshes. Forages on shorebirds and small passerines. Not reported within 5 mi (CNDDB 2020).	A	A	**None**: no suitable habitat present.
common yellowthroat *Geothylpis trichas sinuosa*	MBTA, BCC/SSC	Nests in fresh and salt marshes in tall grasses, tule patches and willows and forages in thick, continuous cover down to the water surface.	A	A	**None:** no suitable habitat present.

Table 4.4-2: Special Status Animal Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/absent	Species present/absent	Potential for Occurrence and Rationale
bald eagle *Haliaeetus leucocephalus*	MBTA, BCC/CE, CFP	Nests in tall snags near water and forages on fish. This species winters near large bodies of waters with fish. Lake Hennessy (CNDDB 2020).	A	A	**None:** no suitable habitat present.
Lewis's woodpecker *Melanerpes lewis*	MBTA, BCC/SSC	Found in open forest and woodland, often logged or burned, including oak, coniferous forest, riparian woodland, orchards, less often pinyon-juniper. Closely associated with open ponderosa pine forest in western North America. Most commonly uses pre-made or natural cavities. Wintering areas must provide storage sites for grain or mast.	A	A	**None: no suitable habitat present.**
California towhee *Melozone crissalis*	MBTA	Nests in shrubs in mesic and xeric habitats and forage on seeds.	P	P	**Moderate:** shrubs in BSA may provide nesting habitat.
Song sparrow *Melospiza melodia*	MBTA	Nests in shrubs, grasses and trees often near water.	P	P	**Moderate:** shrubs in BSA may provide nesting habitat.
Nuttall's woodpecker *Picoides nuttallii*	MBTA, BCC	Found primarily in oak woodlands and riparian woods. Cavity nester.	P	P	**Moderate:** individual trees in BSA may provide nesting habitat
Spotted towhee *Pipilo maculatus*	MBTA, BCC	Nests in shrubs and trees.	P	P	**Moderate:** individual trees and shrubs in BSA may provide nesting habitat
Purple martin *Progne subis*	MBTA/SSC	Nests colonially in snags. Not reported within 5 mi (CNDDB 2020).	P	P	**Moderate:** individual trees in BSA may provide nesting habitat

Table 4.4-2: Special Status Animal Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/absent	Species present/absent	Potential for Occurrence and Rationale
rufous hummingbird *Selasphorus rufus*	MBTA,BCC/-	Nests in chaparral, coniferous forest, scrub habitats and riparian habitats in Canada and winters in Mexico. Nests are placed on a downward drooping structure.	A	A	**None**: no suitable habitat present.
California spotted owl *Strix occidentalis*	MBTA, BCC/SSC	Nests in dense, multi-layered evergreen forests high in diversity, with large trees (some < 83 cm DBH), some decadent, and open areas under canopy. Most often on lower, north-facing slopes of canyons. Found in canyon live oak/California laurel, ponderosa, sugar, Coulter pines, incense cedar, mixed conifer, Douglas fir, and white fir.	A	A	**None**: no suitable habitat present in BSA. Construction noise similar to ambient noise on SR 29 and BNVSP.
pallid bat *Antrozous pallidus*	-/SSC, WBWG:H	Day roosts in crevices and cavities in rock outcrops, mines, caves, buildings, bridges, properly-designed bat houses, as well as hollows and cavities in a wide variety of tree species. May roost alone, in small groups (2 to 20 bats), or in 100s in maternity roosts, with males and non-reproductive subadults in other, smaller roosts. The BSA includes a documented roosting site (CNDDB 2020).	P	P	**Present**: occupied habitat present on Napa River bridge.

Table 4.4-2: Special Status Animal Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/absent	Species present/absent	Potential for Occurrence and Rationale
Townsend's big-eared bat *Corynorhinus townsendii townsendii***A**	-/SSC, WBWG:H	Day roosts in cave analogs; mines, buildings, bridges, sometimes large tree hollows. Switches roosts seasonally, sometimes within each season. Females form maternity colonies, males roost singly, and all disperse widely after maternity season. During winter, roosts in cold, but non-freezing roosts, which may include man-made structures. (SR 29 at Maple Lane between Napa River and Maple Lane (CNDDB 2020).	A	A	**None**: no suitable habitat present.
Western red bat *Lasiurus blossevillii*	-/SSC, WBWG:H	Solitary roosting, except when females are with young (from 2 to 6 are born). Roosts almost exclusively in foliage, under overhanging leaves, in woodland borders, rivers, agricultural areas including orchards, and urban areas with mature trees. Typically found in large cottonwoods, sycamores, walnuts and willows associated with riparian habitats.	P	P	**Moderate:** individual trees in BSA may provide roosting habitat**.**
Western small-footed myotis *Myotis ciliolabrum*	-/-, WBWG:M	Females give birth to one young, roosts singly or in small maternity groups in cliff and rock crevices, tree snags, buildings, concrete bridges and viaducts, caves and mines, occasionally under tree bark, swallow nests – males roost singly. Hibernates in small numbers.	P	P	**Moderate:** individual trees in BSA may provide roosting habitat.

Table 4.4-2: Special Status Animal Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/absent	Species present/absent	Potential for Occurrence and Rationale
long-eared myotis *Myotis evotis*	-/-, WBWG:M	Reproductive females form small maternity colonies between 2-30 individuals; males and non-reproductive females roost singly or in small groups nearby. Day roosts in hollow trees, under exfoliating bark, caves, mines, bridges, buildings and crevices in rock outcrops, under bark of small black oaks in northern California, also use mixed conifer forests throughout California. Nights roosts include bridges, caves. May hibernate.	P	P	**Moderate:** individual trees in BSA may provide roosting habitat.
fringed myotis *Myotis thysanodes*	-/-, WBWG:H	Roosts colonially, up to 2,000 individuals. Females form maternity roosts give birth to one young per year. Roosts in rock crevices, caves, mines, buildings and bridges, as well as tree hollows, particularly large conifer snags. Occurs in xeric woodland, hot desert-scrub, grassland, sage-grassland steppe, spruce-fir, mesic old growth forest, coniferous and deciduous/coniferous forests. Roosting in building at BNVSP (CNDDB 2020).	P	P	**Moderate:** individual trees in BSA may provide roosting habitat.

Table 4.4-2: Special Status Animal Species with Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/absent	Species present/absent	Potential for Occurrence and Rationale
Yuma myotis *Myotis yumanensis*	-/-, WBWG:M	The species generally forms large maternity colonies, with females giving birth to one young. Primarily a crevice-roosting species in natural habitat, forms large maternity colonies in large spaces in man-made roosts, e.g., buildings. Also uses bridges, caves, mines, tree cavities, bat houses, abandoned swallow nests, exfoliating bark. Emerges early and forages almost exclusively over quiet water – ponds, pools, reservoirs, swimming pools and has been reported by the Napa River (CNDDB 2020).	P	P	**Present:** Night roost and potential maternity roost.

U.S. FISH AND WILDLIFE SERVICE
FE = federally listed endangered
FT = federally listed threatened
FC = federal candidate for listing
UR = Under review
BCC = Bird of Conservation Concern
MBTA = Migratory Bird Treaty Act.
CALIFORNIA DEPT. OF FISH AND WILDLIFE
CE = California listed endangered
CT = California listed as threatened
CFP = California fully protected
CPT = California proposed threatened
CP = California candidate for listing as endangered
SSC = Species of Special Concern
WESTERN BAT WORKING GROUP (WBWG)
H = High priority
M = Medium priority
L = Low priority

Wetlands and Waters of the U.S and State.

Approximately 2.12 acres of potentially jurisdictional waters of the U.S. and state were mapped within the BSA. The BSA includes four perennial streams: York Creek, Mill Creek, Ritchey Creek, and the Napa River; two intermittent streams: Hirsch Creek and Nash Creek; two ephemeral to intermittent drainages: S1 and S2; a freshwater emergent wetland and seasonal wetland drainages.

No construction would occur within the perennial streams. The trail would cross York and Mill Creeks on existing bridges within the existing road right-of-way. The trail would cross Ritchey Creek in BNVSP where this creek is already culverted.The trail would be constructed to completely span the Napa River with a free span bridge; the abutments would be sited outside the bed and bank of the river.

Some impacts would occur to intermittent streams. Where SR 29 crosses over Hirsch and Nash Creeks, the existing culverts across the highway would be extended to accommodate the trail. At S1 a box culvert would be installed, resulting in 0.019 acres of permanent impacts and 0.043 acres of temporary impacts.

Wetlands within the project area consist of a seasonal wetland drainages and a freshwater emergent wetland. The seasonal wetland drainages parallel SR 29 and collect and convey road runoff from SR 29 and adjacent agricultural lands. The drainages receive runoff via overland flow and existing culverts underneath existing roadways and SR 29. New culverts would be installed or existing culverts would be extended in some of these drainages. This would result in 0.018 and 0.06 acres of permanent and temporary impacts, respectively.

The freshwater emergent wetland, is also referred to as a vernal pool wetland because it provides suitable habitat for a vernal pool plant, the federal and state listed, Sebastopol meadowfoam. The wetland is a 0.74 acre area within the BSA. No construction would occur within the vernal pool wetland; the trail has been routed to avoid the limits of the wetland, a bridge and its abutments would be constructed within and from upland areas and would free span the wetland feature. No permanent or temporary impacts would occur to the vernal pool seasonal wetland.

Thus, of the 2.12 acres of potentially jurisdictional waters of the U.S. and state within the BSA, a total of 0.037 acres of permanent impacts would occur and 0.10 acres of temporary impacts would occur as a result of the proposed project (Tables 4-2 and 4-3 of the NES).

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

Less Than Significant With Mitigation Incorporated. Potential impacts to special-status plant and wildlife species are described below.

Special-status Plants. As described above, one federal and state listed plant species, Sebastopol meadowfoam, was observed within a freshwater emergent wetland. The project has been designed to avoid direct impacts to the known locations and suitable habitat for the Sebastopol meadowfoam. At this location, a free span bridge would be constructed to cross the wetland at a location where the wetland extent narrows. All bridge abutments and retaining walls would be constructed in upland areas. Also, the trail design was modified to re-route the trail, narrow the total trail width, and route stormwater runoff from the trail to adjacent upland areas so that the proposed project would not have direct impacts to the freshwater emergent wetland.

Potential indirect effects from the proposed project could include disturbances from construction vehicles parked adjacent to the wetland with potential fluid leaks, and potential sedimentation from construction into the seasonal wetland. Implementation of Best Management Practices (BMPs) detailed in a Stormwater Pollution Prevention Plan (SWPPP), as required by the NPDES permit, would minimize indirect effects to the potential habitat for Sebastopol meadowfoam

Once constructed, potential indirect effects from the proposed project could include shading from the bridge. However, the location of the bridge was sited to traverse the wetland in a narrow location and exists in an area where canopy cover currently shades a portion of the wetland area. In addition, the bridge is in a north-south direction which would limit shading. In addition, Sebastopol meadowfoam can persist with some shade. Thus, minimal shading on the wetland is anticipated due to the bridge compared to existing conditions . Also, the bridge is proposed in an area where no Sebastopol meadowfoam individuals have been observed in surveys to date.

Given the proximity of the species to the proposed project, mitigation measures are proposed to address the potential for indirect impacts. Implementation of MM BIO-1 would require Environmentally Sensitive Area (ESA) fencing or flagging to be installed to delineate the wetland and sensitive areas. No work or equipment staging or construction would occur in designated ESAs. In addition, MM BIO-9 would require implementation of a SWPPP. Therefore, through project design, implementation of a SWPPP and MM BIO-1 impacts to special-status plant species as a result of the proposed project would be reduced to less than significant.

Special-status Animal Species. The project area contains known or potential habitat for special-status animal species, as described below.

California freshwater shrimp. The Napa River provides suitable aquatic habitat for the federally listed California freshwater shrimp. The project is expected to have no adverse impact on the California freshwater shrimp since no work would occur in California freshwater shrimp habitat. The bridge abutments would be located over 10 feet away from the top of the bank of the Napa River. Work to install the abutments and the bridge would be done in upland areas. Sediment and erosion control measures as specified by the SWPPP would address potential for indirect impacts due to erosion and sedimentation during construction.

No changes in streamflow characteristics and channel and floodplain complexity are anticipated as part of this project. The bridge deck elevation would be above 100-year flood flows. Thus, the project would not block access to spawning areas.

The proposed project could result in indirect impacts to California freshwater shrimp, as the proposed prefabricated bridge could result in a new source of shade over the Napa River. The new shade source may allow the shrimp to access cooler water and/or presumably provide better foraging opportunities. In addition, the existing canopy cover in the riparian area is approximately 70-80%. Therefore, extensive shading in this area already exists. Thus, impacts due to shading would be less than significant.

Steelhead Central California Coast DPS: This species was federally listed as threatened in 1997. Critical habitat was designated in 2005. Within the BSA, the following creeks are identified as Critical Habitat: York Creek, Mill Creek, Ritchey Creek and Napa River however no work is proposed within any of these critical habitats With the exception of Napa River, work at these locations would be limited to signing and striping and minimal excavation as the trail would cross these streams on existing roads and bridges, or culverted sections of the stream.

The project is not expected to have adverse impact on steelhead since no work would occur within Napa River; bridge abutments would be constructed more than 10 feet from the top of the bank and in an upland area; and the elevation of the bridge deck would be above 100-year flood flows. Given the project would not require construction within or install features within the Napa River, no change in stream flow characteristics, channel and floodplain hydrology or access to spawning areas would occur.

Indirect impacts could occur as a result of construction-related noise , and water quality due to erosion and sedimentation within the construction area which could impact downstream water quality. However, project construction would occur within approved work windows to avoid the spawning season (typically January to March).

Indirect impacts could result from shadows due to the new bridge proposed over Napa River. However, the potential new source of shadow would allow smolts to access cooler water and/or presumably better foraging opportunities as well as refugia from predators. In addition, the existing canopy cover in the riparian area is approximately 70-80%. Therefore, impacts would be less than significant.

Chinook Central California Coast ESU. This species was Federally listed threatened in 1997 and Critical Habitat was designated in 2005 and within the BSA, however within the project area the Chinook is considered a species of special concern (SSC) and not federally listed. Studies of Chinook salmon from the Napa River reveal that individuals are more closely related to an Ecologically Significant Unit (ESU) that is classified as an SSC rather than a federally listed species.[7]

[7] Garza and Crandall 2013 as referenced in Natural Environment Study/Biological Resource Assessment Napa Valley Vine Trail – St. Helena to Calistoga (Appendix C)

The project is not expected to have adverse impact on Chinook since no work would occur within Napa River; bridge abutments and the free span bridge would be constructed in and from upland areas; and the elevation of the bridge deck would be above 100-year flood flows. Given the project would not require construction within or install features within the Napa River, no change in stream flow characteristics, channel and floodplain hydrology or access to spawning areas would occur.

Indirect impacts could occur as a result of construction-related noise, and water quality due to erosion and sedimentation within the construction area which could impact downstream water quality.

Indirect impacts could result from shadows due to the new bridge proposed over Napa River. However, the potential new source of shadow would allow smolts to access cooler water and/or presumably better foraging opportunities as well as refugia from predators. In addition, the existing canopy cover in the riparian area is approximately 70-80%. Therefore, impacts would be less than significant.

California Red-legged Frog (CRF). In 1996, the CRF was listed threatened. In 2001 a final determination of critical habitat for the CRF was published. The BSA is not located within, or adjacent to, the CRF Critical Habitat. US Fish and Wildlife Service-designated Critical habitat Unit Nap-1 is located in the southeastern portion of Napa County more than 5 miles from the proposed BSA.

While the project site is within the range of the species, CRF are not anticipated to occur in the project area. Recorded observations in the area have been limited to the eastern portion of Napa County and along the upper western mountains adjacent to the Napa-Sonoma county line. A review of 16 protocol level surveys for CRF, completed between 2000 and 2013, within the Napa Valley floor and within the project vicinity, revealed no presence of CRF (Caltrans 2020). The BSA does not support the required habitat elements, referred to as Primary Constituent Elements, as described in the NES. Although there are ponds and reservoirs near the proposed trail alignment from which frogs could disperse into the project area, none have been reported in the vicinity (CNDDB 2020). This is despite the numerous fish surveys that have been conducted by the Napa County Resource Conservation District in the Napa River. Suitable habitat in the general project area has been extensively modified by agriculture and development (CNDDB 2020). This ongoing, intensive agricultural development makes the upland habitat within the Vine Trail BSA largely unsuitable for CRF. Thus, CRF are not anticipated to occur in the area and the project would have no impact to this species.

Foothill Yellow-legged Frog (FYF). This species is listed by the CDFW as a California Species of Special Concern in the North Coast range. This species has been reported in the Napa River just south of Dunaweal Lane and just outside the BSA (CNDDB 2019). Potentially suitable habitat is present within the BSA at York, Mill, Ritchey Creeks and the Napa River crossing. No work would occur within the suitable habitat present in the BSA. Work would occur near Napa River but not within it, however, it is highly unlikely that FYF will use this portion of the Napa River. The project

design for work at Napa River, as previously described, will prevent direct impacts to potential habitat at Napa River. As a result, the project will not have any direct impacts on the species.

Potential indirect effects from the proposed project could include disturbances from construction related activities and dust, and erosion and sedimentation which may occur to downstream waters unless proper controls are installed. Implementation of MM BIO-9 would require implementation of sediment and erosion control BMPs as detailed in a SWPPP and would minimize potential indirect effects to downstream resources during construction. In addition, implementation of MM BIO-10 would reduce impacts to less than significant.

Western Pond Turtle (WPT). This species is listed by CDFW as a California Species of Special Concern. This species been reported in the Napa River north of the Dunaweal Lane crossing. No suitable upland nesting habitat occurs along the trail based on the compacted soils from adjacent vineyard roads and buildings adjacent to the Napa River. The proposed project would result in vegetation clearance in upland areas to construct the bridge abutments. Implementation of MM BIO-1 would prevent adverse impacts to WPT. The project would not have permanent or temporary effects to potential dispersal and foraging habitat known to occur within the project area (i.e. Napa River). The project would have approximately 0.019 permanent impacts and 0.043 temporary impacts to intermittent waters, which may provide potential dispersal and foraging habitat for WPT (i.e., Hirsch, Nash Creeks). Should these other waters be suitable habitat, these effects are minor for the population of WPT in this region when viewed relative to the total potential foraging habitat for WPT along Napa River. The area of potential temporary impacts is also small and the duration of the work at each location is short; with the avoidance and minimization measures in place, the potential temporary effects are discountable. All areas temporarily impacts will be required to be re-vegetated and or stabilized to restore the project back to pre-construction function and value.

Potential indirect effects to WPT include disturbances from dust, and degradation of water quality from added impervious surfaces. Stormwater runoff will be routed to existing infrastructure or discharged to adjacent permeable areas. Implementation of BMPs specified in the SWPPP will address potential indirect impacts to WPT due to dust and water quality degradation. Implementation of MM BIO-9 and BIO-10 would reduce impacts to WPT to less than significant.

Nesting Raptors - Coopers hawk and sharp-shined hawk are protected under the federal Migratory Bird Treaty Act (MBTA). Raptors nesting in riparian trees and landscaped trees within the BSA could be impacted if construction occurs during the nesting season (February 1 through September 30, as adopted by Caltrans). Implementation of MM BIO-1 and MM BIO-11 will require pre-construction surveys and measures to prevent take of these species if nests are present in trees to be removed or within work areas.

The proposed project could result in indirect effects such as disturbance to a species from a change in pedestrian volume. An increase in noise from recreationists will not affect nesting

raptors based on the existing noise associated with SR 29, similar recreational activity within BNVSP, and the small area associated with the bike path at the Napa River crossing.

The proposed project will adhere to the MBTA, which recommends that unavoidable nesting habitat for protected bird species are removed in the non-nesting season between September 1 and January 31. For migratory birds other than eagles and endangered or threatened species, a permit is not required to dislodge or destroy migratory bird nests that are not occupied by juveniles or eggs. However, any such destruction that results in take of any migratory bird is a violation of the MBTA (e.g., where juveniles still depend on the nest for survival).

If any threatened or endangered species nest is found, the proposed project would stop work and consult with USFWS before proceeding. If active nests are identified on or immediately adjacent to the BSA, all non-essential construction activities (e.g., equipment storage, meetings) should be avoided in the immediate vicinity of the nest site; however, construction activities can proceed if the biological monitor has verified that the individual is not likely to abandon the nest during construction.

Construction disturbance will be temporary, and implementation of the MM BIO-1, MM BIO-2, and MM BIO-12 would further minimize any impacts on migratory birds. Indirect impacts may result from the loss of nesting habitat; however, replanting of vegetation would minimize impacts on potential nesting habitat (trees) within the vicinity. Therefore, through implementation of BMPs and MM BIO-1, MM BIO-2, and MM BIO-11, impacts would be reduced to a less than significant level.

Nesting Passerines, Spotted towhee and oak titmouse. These species are protected under MBTA and have been identified as Bird of Conservation Concern and CDFW Code 3503. There is potential that removal of trees/shrubs (*Salix* sp.) within the project site during the nesting season may result in nest abandonment and mortality of young. Several passerine (perching birds) species may nest on the site in the various habitats, including, but not limited to, the valley foothill riparian corridors and in individual trees. A nesting bird survey shall be conducted before removal of trees and shrubs if removal cannot occur prior to nesting season to ensure no take of individuals will occur. Implementation of MM BIO-1, MM BIO-11 would prevent take of these species.

No increase in vehicle-related mortality would occur as there is no increase in the number of lanes on SR 29. Implementation of MM BIO-1 and MM BIO-4 would prevent take (harass, disturbance) of individual nesting birds. No increased predation from increased lighting during construction would occur from this project. Therefore, impacts as a result of the proposed project would be less than significant.

Roosting Bats listed as California SSC and/or have a 'High' designation from Wester Bat Working Group are known to occur or suitable habitat exists within the project area. Potential for direct impacts could occur due to construction of the bridge at Napa River or removal of trees that provide suitable habitat. A night roost has been observed at the existing Napa River Bridge on

Dunaweal Lane. It does not appear to support a daytime roost. To prevent direct mortality of bats during winter months, roosts must not be disturbed or destroyed until bats are seasonally active. Construction at the Napa River bridge would be conducted outside of winter months to avoid the seasonally inactive window.

Bats may also roost in trees or snags located within the BSA. Tree removal containing roosting bats could cause direct impacts. However, implementation of MM BIO-1 and BIO-12, would avoid and minimize impacts to roosting bats that may potentially roost in the Napa River bridge and trees proposed for removal within the proposed project. Therefore, impacts as a result of the proposed project would be reduced to less than significant.

b) *Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?*

Less Than Significant With Mitigation Incorporated. Of the ten vegetation communities within the BSA, the proposed project would have potential direct effects on coast live oak woodland, coast live oak riparian, valley oak woodland, valley oak riparian, blue oak woodland, mixed oak riparian, vineyard/non-native grassland, landscaping; non-native grassland, and seasonal wetlands. These permanent impacts would occur adjacent to SR 29 and would result from construction of the project components. A total of 6.34 acres of habitat and waters would be temporarily impacted within the project site. These temporary impacts would occur in discrete areas and would occur for only one season. Temporary impacts include areas required to construct the trail, including staging areas within the BSA. **Table 4.4-3** provides the estimated amount of project effect to vegetation communities.

The proposed project could also result in indirect impacts to sensitive natural communities, including disturbances from a change in traffic volume; dust, and degradation of water quality from additional roadway surface. Impacts to the seasonal vernal pool wetland would be avoided through project design. Impacts to wetland drainages would be minimized by obtaining and adhering to the Clean Water Act (CWA) Section 404 and 401 permits which would be obtained for the project. Impacts to oak woodland are limited to individual tree removals which would be replanted within the project vicinity in accordance with replanting ratios required by local tree protection ordinances. No degradation to water quality will occur from the proposed project due to implementation of a SWPPP for the project. Sediment and erosion control BMPs detailed in the SWPPP will minimize potential indirect effects to downstream resources from sedimentation that could result from construction activities in the project site. Implementation of MM BIO-1 through MM BIO-4 would reduce impacts to these vegetation communities to a less than significant level.

Table 4.4-3: Estimated Amount of Project effects to Vegetation Communities

Vegetation Community	Biological Study Area Overlap (acres)	Project Impact Area Overlap (acres)	Permanent Impacts (acres)	Temporary Impacts (acres)
Aquatic (wetlands/waters)	1.38	0.14	0.04	0.10
Seasonal wetlands	0.74	0.0	0.0	0.0
Coast Live Oak Woodland	13.70	3.59	2.07	1.52
Coast Live Oak Riparian	1.74	0.02	0.01	0.01
Valley Oak Woodland	0.87	0.33	0.20	0.13
Valley Oak Woodland Riparian	0.33	0.06	0.03	0.02
Blue Oak Woodland	0.37	0.15	0.09	0.06
Mixed Oak Woodland Riparian	0.28	0.05	0.03	0.02
Landscaping/non-native grassland	21.43	7.82	4.48	3.33
Vineyard	18.14	2.62	1.49	1.13
Willow Riparian	0.07	0.02	0.01	0.01
Developed	40.60	6.63	3.23	3.40
Total (excludes developed)	**59.06**	**14.79**	**8.46**	**6.34**

Seasonal vernal pool wetland. The freshwater emergent wetland, also referred to as a seasonal vernal pool wetland, qualifies as a special status vegetation community as it supports vernal pool plants including the federal and state listed plant species, Sebastopol meadowfoam. Approximately 0.74 acres of the wetland occurs within the BSA. The project has been designed to avoid direct impacts to the wetland and its vernal pool habitat by constructing a free span bridge over the wetlands and avoiding work in the wetland. Abutments and retaining walls would be constructed in upland areas. The width of the trail south of the bridge crossing that parallel the trail would be narrowed to avoid direct impacts to the wetland. However, the proposed project may result in indirect impacts such as, disturbances from construction vehicles parked adjacent to the wetland with potential fluid leaks, and potential sedimentation from construction into the seasonal wetland. However, no degradation to water quality will occur from the proposed project. Implementation of erosion and sediment control BMPs to be detailed in a SWPPP will minimize and any potential indirect effects to downstream resources from sedimentation that could result from construction activities in the project site. Implementation of MM BIO-2, BIO-3, and BIO-9 would reduce impacts as a result of the proposed project to less than significant.

Valley Oak Woodland and Riparian. Areas mapped as valley oak woodland occur as small groupings of valley oak trees along the trail alignment. These trees were considered to be significant and important as wildlife habitat and were sufficiently close to existing, undisturbed woodland areas to be called out as a separate vegetation type. One area is mapped as valley oak riparian and this occurs along the drainage adjacent to Twomey Vineyards in Segment 5 in the northern portion of the study area. This drainage has a dense canopy of valley oaks and includes

some willows. Valley oak woodlands are a special status vegetation type by CDFW and Napa County. Approximately 0.87 acres of valley oak woodland and 0.36 acres of valley oak riparian were mapped within the BSA.

The project will result in the direct loss of 0.20 acre of valley oak woodland and 0.03 acre of valley oak riparian. Direct impacts to valley oak woodland and riparian would result from tree and vegetation removal that could not be avoided for trail construction and from the construction of the free span bridge over the S2 drainage south of Dunaweal Lane at Twomey Vineyards property. Indirect impacts could include disturbances from construction vehicles parked adjacent to the woodland with potential fluid leaks, and potential sedimentation from construction. However, no degradation to water quality will occur from the proposed project. SWPPPs and erosion control BMPs will minimize and any potential indirect effects to downstream resources from sedimentation that could result from construction activities in the project site. Replacement planting for valley oak woodland would be provided through implementation of MM BIO-6 in accordance with applicable tree ordinance/tree removal permits required from the County and from CDFW. Through implementation of MM BIO-6 and BIO-8 impacts to sensitive communities, as a result of the proposed project, would be reduced to less than significant.

Waters and Wetlands of the U.S. and State. The project has been designed to avoid and minimize impacts to any wetlands and waters of the U.S. and state to the maximum extent possible. Existing and new bridge crossing will be installed, and roadside ditches will either be avoided or crossings will be installed where practicable. All staging areas, stockpile locations and the areas used to access the project would be located at least 25 ft from any jurisdictional waters of the U.S. or State or contained with the use of ESA fencing. A total of 0.020 acres of direct impacts to non-wetland jurisdictional Waters of the U.S. or State would result from the construction of culverts and storm drains along the trail. A total of 0.043 acres of temporary impacts would occur in order to construct the proposed project. This includes culvert extensions in Hirsch and Nash Creek. The proposed project would result in the construction of culverts and storm drains along the trail in agricultural ditches in uplands which are not jurisdictional waters.

A CWA Section 404 permit will be required from the United States Army Corps of Engineers (USACE) along with a CWA Section 401 Water Quality Certification from the Regional Water Quality Control Boards (RWQCB) for filling creeks, drainages or wetlands that are subject to their jurisdiction. A streambed alteration agreement from CDFW will also be required where work within stream crossings would occur. This is proposed at Hirsch Creek, Nash Creek, and S1 drainage. Implementation of MM BIO-3 and BIO-4 would identify waters and wetlands as ESA's and work within those areas would not be allowed unless specified by permit conditions. Through project design measures, applicable permits, and Implementation of BIO-3 and BIO-4 the proposed project would result in less than significant impacts.

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

Less Than Significant Impact. As described in Section 4.4 (b) above, the proposed project would not result in any construction activities within the seasonal vernal pool wetland, therefore there would be no direct effects to the vernal pool.

Direct impacts would occur to seasonal wetland drainages which exist parallel to SR 29 and convey roadside and agricultural runoff. To construct the trail, existing culverts would be extended where impacts cannot be avoided. This would result in 0.018 acres of direct impacts in the wetland drainages, and an additional 0.06 acres of temporary impacts in order to construct the project. Implementation of project design measures avoided and minimized impacts to wetland drainages where possible. In order to construct in these drainages applicable CWA 401 and 404 permits would be obtained. Permit conditions would be met to address these impacts. Thus, through project design measures, applicable permits, and Implementation of BIO-3 and BIO-4 the proposed project would result in less than significant impacts.

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

Less Than Significant With Mitigation Incorporated. The woodland and riparian habitats in the project area provide potential nesting and foraging habitats for many species such as passerines and roosting habitat for bats,

The creeks within the project area may provide movement corridors for aquatic and terrestrial wildlife. No work would occur within these corridors at York Creek, Mill Creek, Ritchey Creek, as no work would occur within these creeks to construct the project. At York and Mill Creek, the trail would cross the creek on the existing bridge on SR 29. Ritchey Creek is culverted for the length of the project within the BSA. Hirsch Creek and Nash Creek are culverted and those culverts will be extended by the minimum amount required to carry the trail over these creeks, and culverts will be sized to match existing conditions. Hirsch and Nash Creek are ephemeral to intermittent drainages and not suitable for migratory fish. The Napa River will be spanned from top of bank to top of bank and the project would accommodate 100-year flood flows. As a result, no impediment to migration within the Napa River corridor would occur.

There is potential for wildlife to shift their movement patterns from a diurnal activity to a nocturnal activity based on the increased recreationists on and near these drainages. It is likely, based on the activity levels of the agricultural practices within the Napa Valley and proximity to the SR 29 corridor that this has already happened. As a result, this project is not expected to decrease activity or adversely impact the movement corridors.

The proposed project would not interfere with the movement of any native resident or migratory fish or wildlife species or migratory wildlife corridor or impede the use of wildlife nursery sites. Impacts to wetlands and drainage on the project site would generally be avoided (refer to Section 4.4 (c). The proposed project alignment would be located at grade level, and therefore, would not substantially obstruct wildlife movement.

The nests of all the native bird species are protected under the federal MBTA and California Fish and Game Code. Impacts to nesting birds would be mitigated through implementation of MM BIO-1 and BIO-12. Therefore, impacts as a result of the proposed project would be less than significant.

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

Less Than Significant Impact With Mitigation Incorporated. The proposed project is subject to the local policies and ordinance of the County of Napa, the City of St. Helena, and the City of Calistoga. The proposed project's consistency with these policies is detailed below.

Over 300 trees were identified within the tree survey area adjacent to proposed trail footprint. A total of 47 trees were identified for removal. The trail has been sited to minimize tree removal to the extent possible. Tree removal would occur at scattered locations across an approximately 6.4 mile corridor, from Pratt Ave. in St. Helena to Dunaweal Lane at the Napa River. Species of landscape trees and native trees may be protected under local ordinances. Additional details on tree species, removals and removal locations are provided in the NES (Tree Preservation Report, Appendix D to the NES).

The proposed project may limb or trim individual trees during construction-related activities and during maintenance and operation of the trail. Trees may be impacted if the path runs or traverses a tree's root system, resulting in loss of health and vigor of the tree, and possibly mortality. However, no indirect effects would occur as a result of the proposed project. The proposed project would route the trail outside of tree drip-lines to the extent practicable and where the trail cannot be routed away from a tree's drip line, hand digging would be used to reduce impacts to root systems. If necessary, construction techniques would be used to prevent damaging tree roots.

In addition, permits for tree removal would be obtained from the County of Napa and the City of St. Helena and Calistoga for the removal of trees protected under the respective ordinances. The tree removal permits would be consistent with all applicable ordinances and general plan policies relating to tree protection, for the County of Napa and the City of St. Helena and Calistoga, and Caltrans requirements for trees within Caltrans ROW. The respective permits for tree removal would ensure tree replacement at a specific ratio to mitigate loss of trees.

Design measures to avoid resources, and tree removal permits would ensure that the proposed project would not conflict with local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. Implementation of MM BIO-6 would require protected trees to be replanted at ratios consistent with tree protection requirements and impacts would be less than significant.

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

No Impact. The proposed project is not located within any Natural Community Conservation Plan or Habitat Conservation Plan. Thus, the proposed project would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Plan, or other approved local, regional, or State habitat conservation plan. Therefore, the proposed project would have no impact.

Mitigation Measures

MM BIO-1: **Seasonal Work restrictions**. The following seasonal work windows will be adhered to:

- Napa River - Construction of the bridge crossing would occur between April 15 to October 15, to occur in the dry season, outside of the fall run and spawning period for Chinook and steelhead, and outside the period where FYF and WPT are likely to disperse to upland areas.
- Tree removal that contains suitable nesting bat habitat – Removal must occur between March 15 to April 30 and Aug 15 to October 1, and as discussed further in MM BIO-12.
- All other tree removals - The MBTA limits vegetation clearing to the non-nesting season, from September 30 to January 31, to the extent possible. Vegetation removal work outside this window requires pre-construction nest clearance surveys by a biologist.

MM BIO-2: **Worker Environmental Awareness Training.** Before the construction activities begin, a qualified biologist will conduct an education program for all construction personnel. The training will include a description of special-status species, including federal and state listed species and associated habitats with potential to occur in the BSA; the occurrence of the species within the project impact area; an explanation of the status of these species and protection under the FESA and CESA; the measures to conserve listed species and their habitats as they relate to the work site; and boundaries within which construction may occur. A fact sheet conveying this information will be prepared and distributed to all construction crews. Upon completion of the program, personnel will sign a form stating that they attended the program and understand all the AMMs and implications of the FESA and CESA.

MM BIO-3: **Environmentally Sensitive Area Fencing**. Prior to the start of construction, specific project locations that are associated with listed species and sensitive habitats will be identified and designated as Environmentally Sensitive Areas (ESAs) using high-visibility orange fencing, flagging and signage, or silt fencing. These areas will be shown on project design plans or maps to be provided to construction personnel. A qualified biologist will conduct preconstruction surveys of these areas, including any temporary work areas that have potential for federal

or state listed species to occur. Construction work areas include the active construction site and all areas providing support for the project including areas used for vehicle parking, equipment and material storage and staging, access roads, etc.

Temporary work areas include the active construction site and all areas providing support for the project including areas used for vehicle parking, equipment and material storage and staging, access roads, etc. The ESA's will be monitored during active construction and the ESA fencing will remain in place throughout the duration of the project related construction activities to prevent the encroachment of construction equipment/personnel into sensitive areas. The bid package special provisions will clearly describe acceptable fencing material and prohibited construction-related activities, vehicle operation, material and equipment storage, and other surface-disturbing activities within ESAs. The final project plans would depict all locations where ESA fencing or flagging and signage would be installed. All hydrologic features within the BSA that have been identified as Waters of the State or Waters of the U.S. will be delineated as ESAs on project design plans and project-related activities, including water diversion, dredging, filling or grading would be prohibited.

All equipment will be maintained such that there will be no leaks of automotive fluids such as gasoline, oils or solvents and a Spill Response Plan will be prepared.

MM BIO-4: **Waters and Wetlands Protection**. Features within the BSA that have been identified as Waters of the State or Waters of the U.S. will be delineated on project design plans and designated as ESAs to be avoided during construction, except where allowed per Clean Water Act 404 permit and 401 Water Quality Certification.

MM BIO-5: **Avoidance of Entrapment.** To prevent inadvertent entrapment of animals during construction, all excavated, steep-walled holes or trenches more than 1-ft deep will be covered at the close of each working day with plywood or other suitable material or provided with one or more escape ramps constructed of earth fill or wooden planks. Before such holes or trenches are filled, they must be thoroughly inspected for trapped animals.

All replacement pipes, culverts, or similar structures stored in the project site overnight will be inspected before they are subsequently moved, capped and/or buried. If at any time a special status species is discovered, the Resident Engineer and Qualified biologist will be immediately informed. The animal will be allowed to move out of the area on its own volition or until the Qualified biologist notifies the Resident Engineer to resume work in the area.

MM BIO-6: **Tree protection.** Vegetation and tree removal would be required to construct the trail. Trees would be replanted within the project area at a ratio consistent with local tree protection requirements for trees removed within local agency jurisdiction, Caltrans requirements for trees removed within Caltrans ROW, and CDFW replanting requirements for trees removed within the riparian zone in CDFW's jurisdiction.

MM BIO-7: **Biological Monitor**. A CDFW and USFWS-approved biologist will be present during construction-related activities in sensitive habitats as required by conservation measures in a Biological Opinion, Lake and Streambed Alteration Agreement, or Clean Water Act Section 404 permit. If special-status species are discovered during construction activities, the agency-approved biologist, through the Resident Engineer, will halt all work within 50 feet of the discovery and contact the appropriate agency to determine how to proceed.

MM BIO-8: **Restoration of Disturbed Areas**. All slopes or unpaved areas temporarily disturbed by the construction activities will be reseeded with native grasses and shrubs to stabilize and prevent erosion. The temporarily disturbed areas will be restored to pre-construction conditions to the maximum extent practicable. Where disturbance includes tree removal, native species will be replanted at ratios as described above.

MM BIO-9: **Storm Water Pollution Prevention Plan**. NVTA would be required to prepare and a SWPPP in accordance with to Section 402 of the CWA and Caltrans' Construction General Permit (Order 2009-009-DWQ). The SWPPP shall incorporate best management practices (BMPs) to control sedimentation and runoff and address water quality on site. Protective measures would include the following:

- No discharge of pollutants from vehicle and equipment cleaning into any storm drains or watercourses.
- Vehicle and equipment fueling and maintenance operations must be located away from watercourses, except at established commercial gas stations or established vehicle maintenance facility or staging areas with BMPs installed and maintained.
- Concrete wastes would be collected in washouts and water from curing operations would be collected and disposed of properly. Neither will be allowed into watercourses.
- Spill containment kits will always be maintained onsite at all times during construction operations.
- Dust control measures will include a speed limit of 20 miles per hour in unpaved portions of the project, use of water trucks and organic tackifiers to

control dust in disturbed areas, covering temporary access road entrances and exits with rock (rocking) or comparable stabilization techniques, and covering of temporary stockpiles when weather conditions require.

- All food and food-related trash items will be enclosed in sealed trash containers and removed completely from the site at the end of each day

MM BIO-10: **Species Specific Protections**. To the extent practicable, in areas where WPT and FYF may occur, construction will be restricted to April 15 to October 15, when these species are least likely to disperse into upland habitat during dry hotter weather.

Wildlife Exclusion Fencing (WEF). Prior to the start of construction, specific areas that may be in proximity of or adjacent to WPT and FYF habitat and may require exclusion fencing will be identified by a CDFW-approved biologist and shown on the project design plans. The installation of the fencing will be directed by the qualified biologist and the Resident Engineer based on habitat suitability. The bid solicitation package special provisions will clearly describe acceptable fencing material and proper WEF installation and maintenance. The WEF will remain in place while construction activities are ongoing in the suitable habitat area and will be regularly inspected and maintained. The WEF will be completely removed upon completion of project-related activities within these areas and the areas returned to pre-construction condition.

To prevent WPT and FYF from becoming entangled or trapped in erosion control materials, plastic mono-filament netting (i.e., erosion control matting) or similar material will not be used within the project site. Acceptable substitutes include coconut coir matting or tackified hydroseeding compounds.

Preconstruction surveys will be conducted by a CDFW-approved biologist immediately prior to the initiation of initial ground disturbing activities (e.g., site mobilization, vegetation removal, and grading) within or adjacent to suitable WPT or FYF habitat. Visual encounter surveys will be conducted within areas subject to ground disturbing activities. All suitable aquatic and upland habitats, including refugia habitat such as under shrubs, downed logs, small woody debris, burrows, etc., will be thoroughly inspected.

If WPT or FYF are observed during preconstruction surveys or during the course of active construction, all construction activities within 50 ft of the animals will be stopped until the CDFW-approved biologist may determine that project activities can be resumed without harming or injuring the animal(s).

MM BIO-11: **Pre-Construction Nesting Surveys**. Grading or removal of nesting trees should be conducted from September 30 to January 31 to avoid the nesting bird and raptor season.

If grading between September 30 and January 31 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey of the grasslands and adjacent trees shall be performed by a qualified biologist within 7 days of groundbreaking. If no nesting birds are observed no further action is required and grading shall occur within one week of the survey to prevent "take" of individual birds that could begin nesting after the survey.

If active bird nests are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the nest tree(s) until the young have fledged, as determined by a qualified biologist.

The radius of the required buffer zone can vary depending on the species, (i.e., 300 feet for raptors), determined by a qualified biologist in consultation with CDFW.

To delineate the buffer zone around a nesting tree, orange construction fencing shall be placed at the specified radius from the base of the tree within which no machinery or workers shall intrude.

After the fencing is in place there would be no restrictions on grading or construction activities outside the prescribed buffer zones.

MM BIO-12: **Roosting Bat Protection.** A daytime bat habitat assessment should be conducted by a qualified bat biologist at least one year in advance of construction to evaluate the suitability of habitat in the existing Napa River bridge and in the trees to be removed.

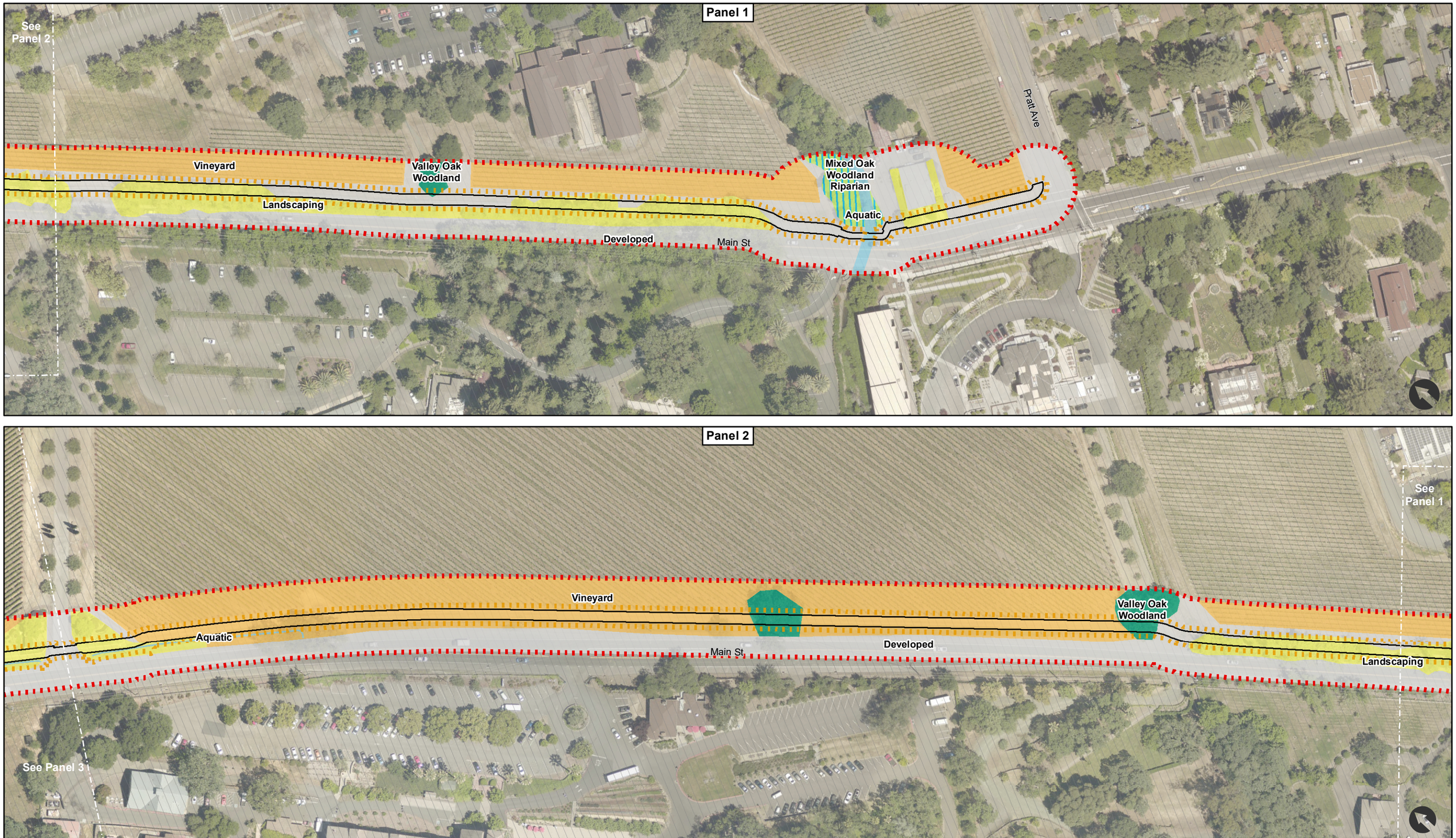
If no individual bats, bat habitat that may support bats or evidence of bats are present during the day, no further action is required. If individual bats, bat habitat that may support bats or evidence of bats are present, additional timing efforts would be required.

To prevent disturbance to daytime roosting bats, if present, construction will occur outside the maternity season and winter torpor season. If no daytime habitat is present, as determined by the bat habitat assessment, then no seasonal limitations will apply to construction of the bridge over Napa River.

For trees which would be impacted by the project and contain roosting bat habitat, tree removal would adhere to seasonal limits and follow a two-step process. Tree removal must only occur during seasonal periods of bat activity, between March 15 (or after evening temperatures rise above 45°F and/or rainfall and/or no more than 0.5 inches of rainfall within 24 hours occurs), and April 30, prior to parturition of pups. Tree removal can also occur between August 15 and about October 1 (or before evening temperatures fall below 45°F and/or more than 0.5 inches of rainfall within 24 hours occurs). Tree removal shall be

conducted under the supervision of a qualified bat biologist using a two-step process conducted over two consecutive days (e.g., Tuesday and Wednesday, or Thursday and Friday). With this method, small branches and small limbs not containing cavity, crevice or exfoliating bark habitat are removed with chainsaws or other similar tools On Day 2, the remainder of the tree is removed. The disturbance caused by chainsaw noise and vibration, coupled with the physical alteration, has the effect of causing bats to abandon the roost tree after nightly emergence for foraging. Removing the tree the next day prevents re-habituation and re-occupation of the altered tree.

Non-habitat trees and all other vegetation proposed for removal further than 25 feet from identified habitat trees may be removed immediately, using any suitable means that does not cause damage to the roosting tree.



Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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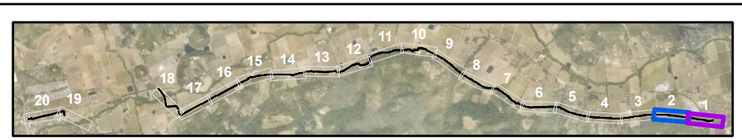
FIGURE 4A: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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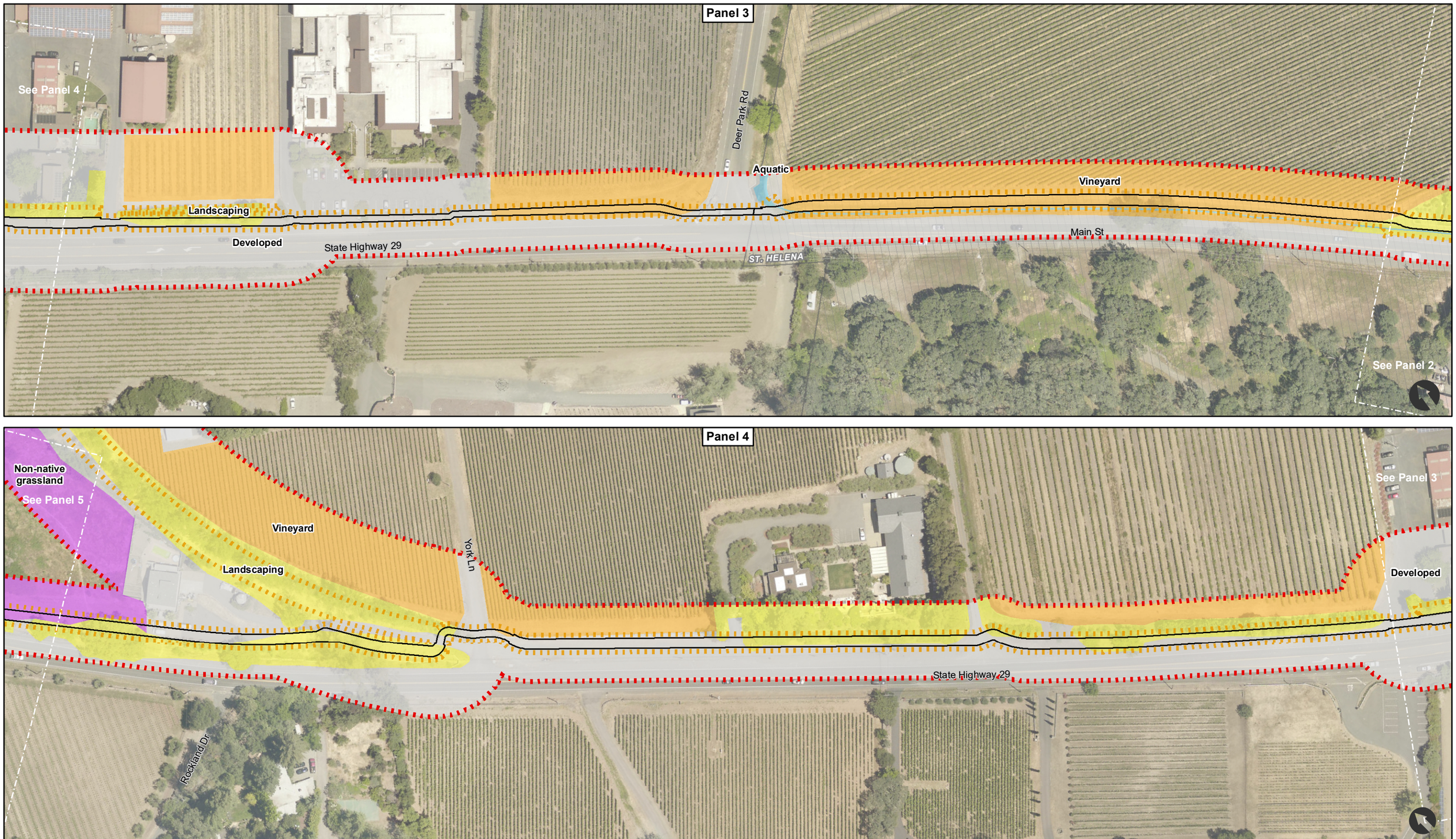

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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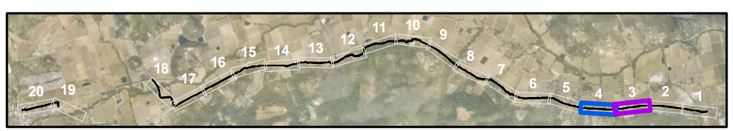
FIGURE 4B: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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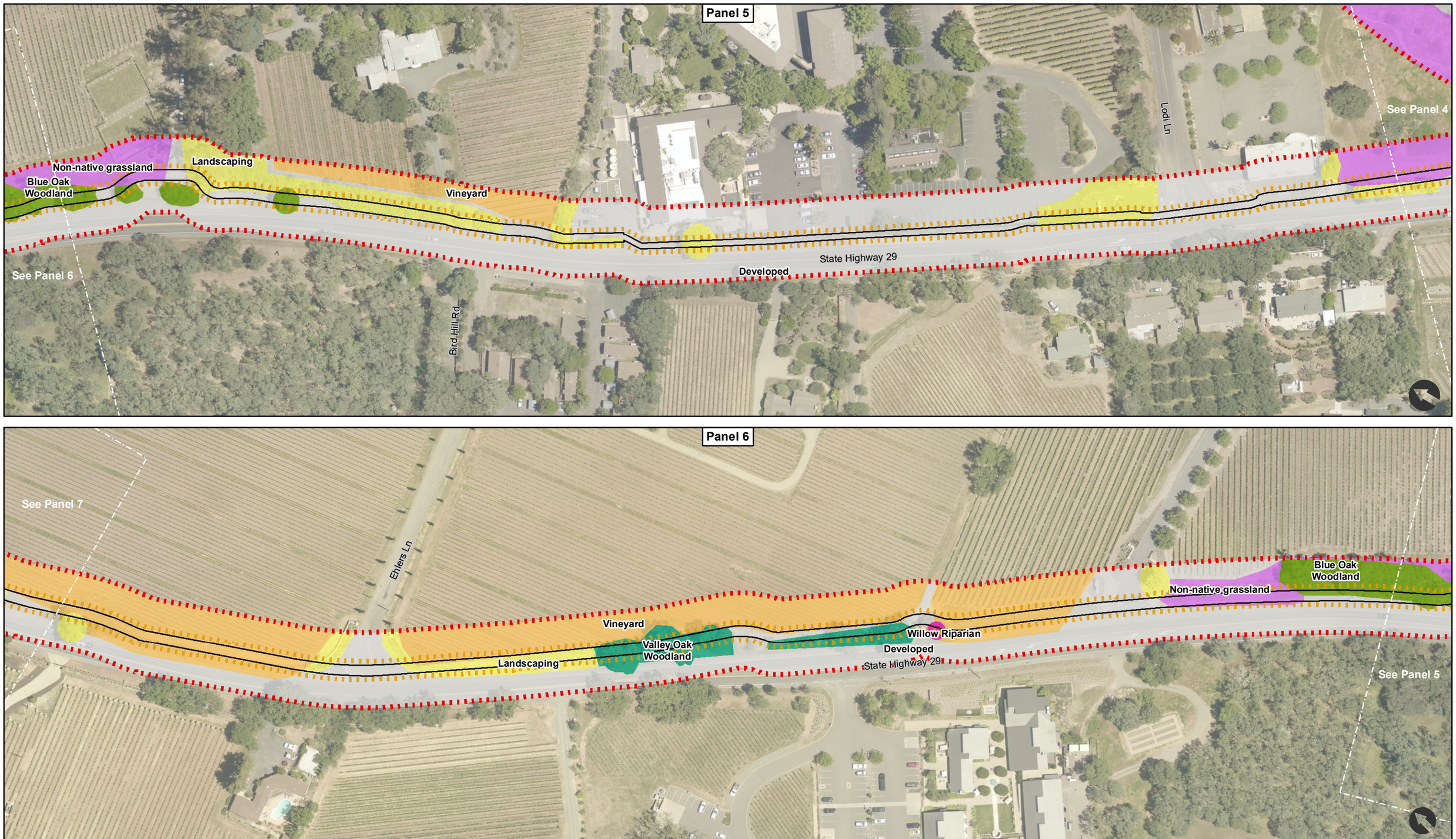

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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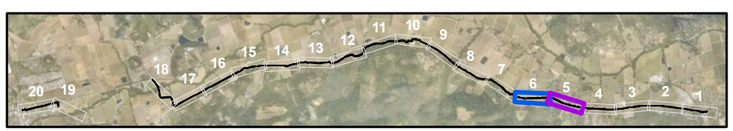
FIGURE 4C: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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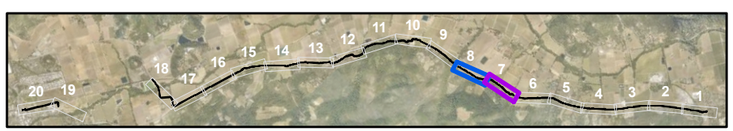
FIGURE 4D: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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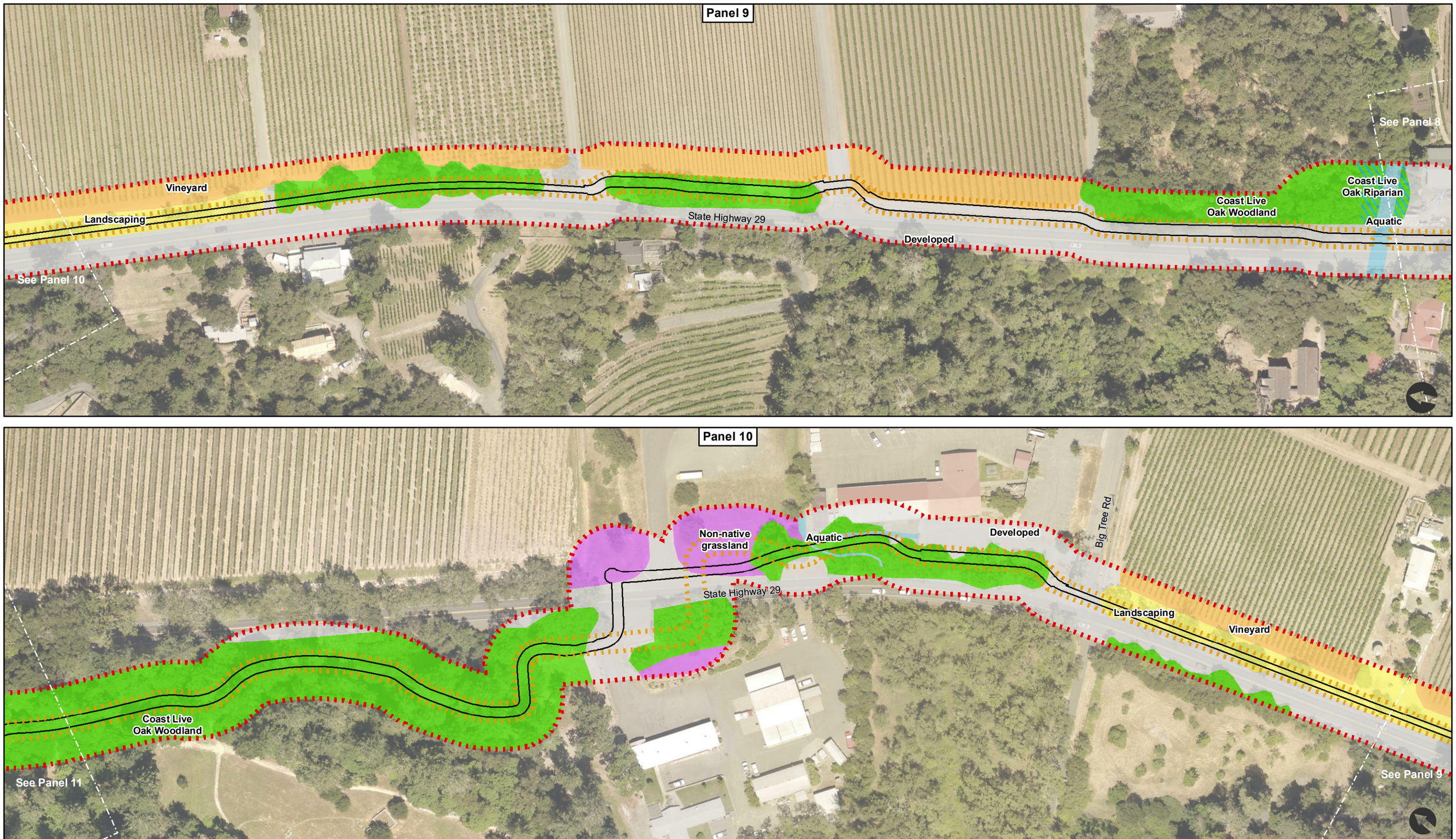

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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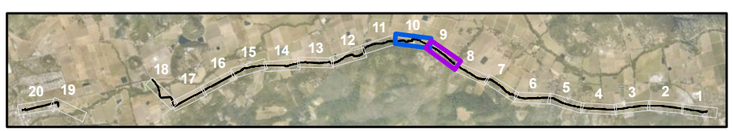
FIGURE 4E: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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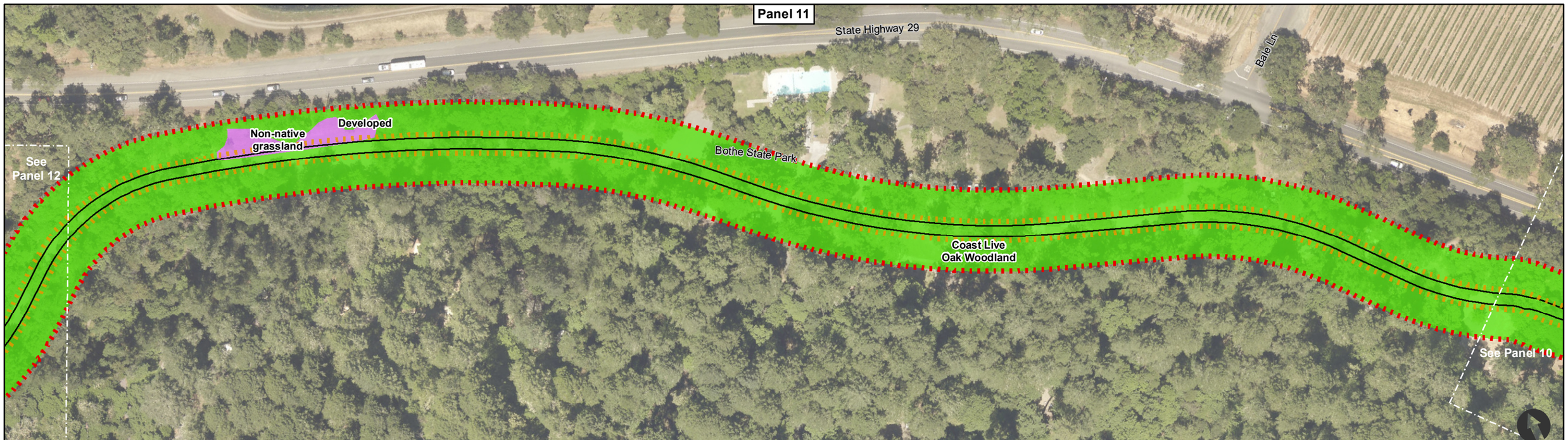

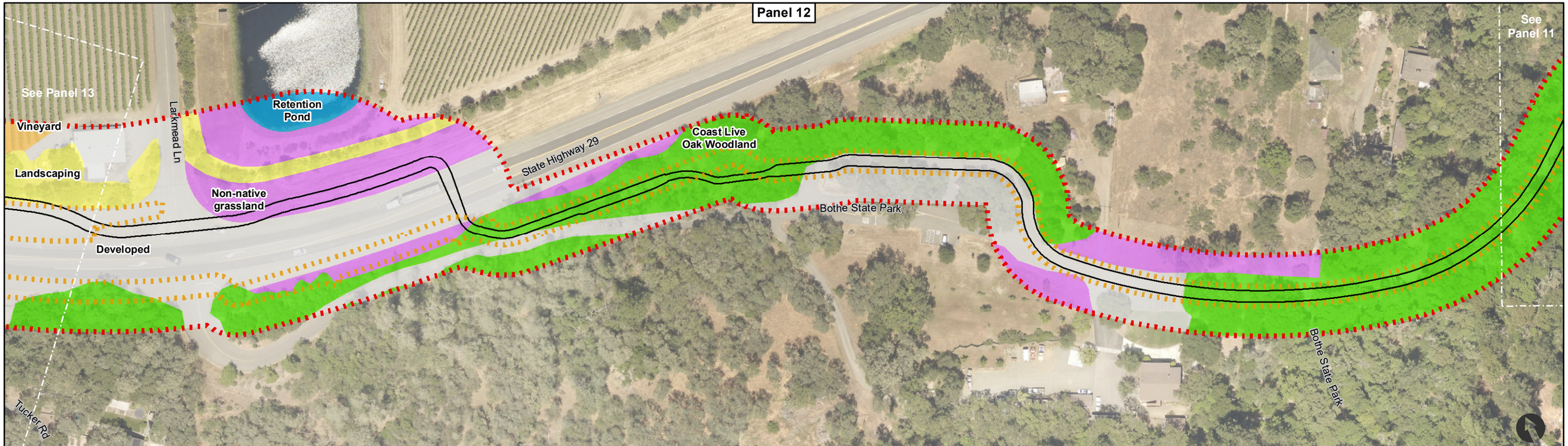

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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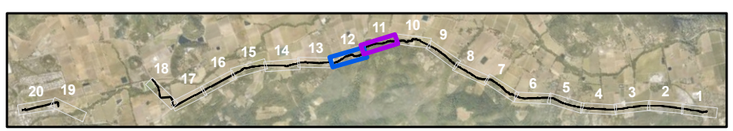
FIGURE 4F: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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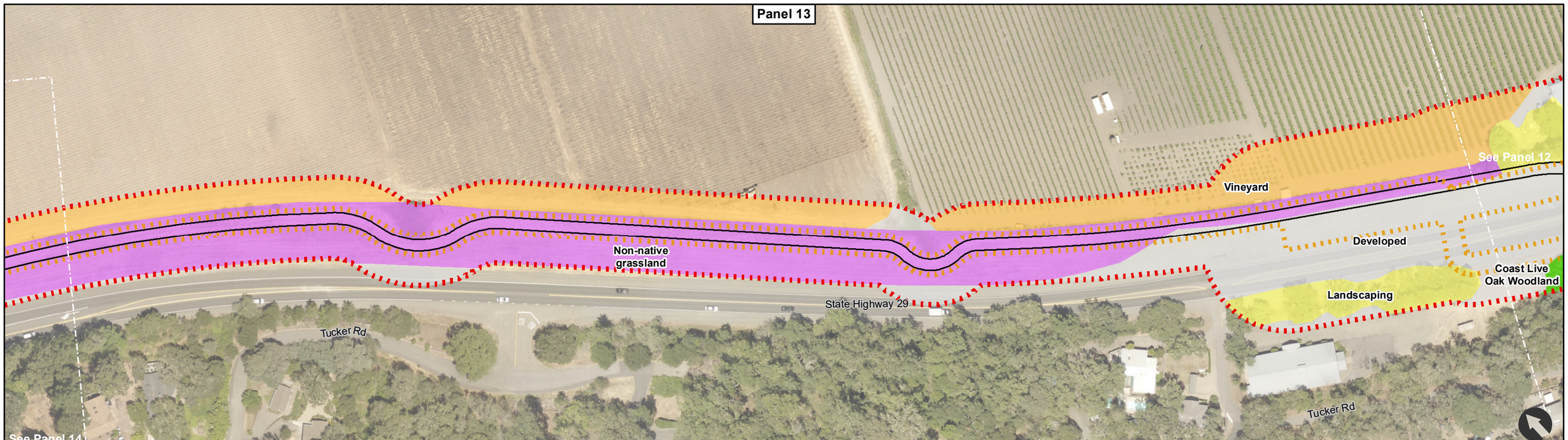

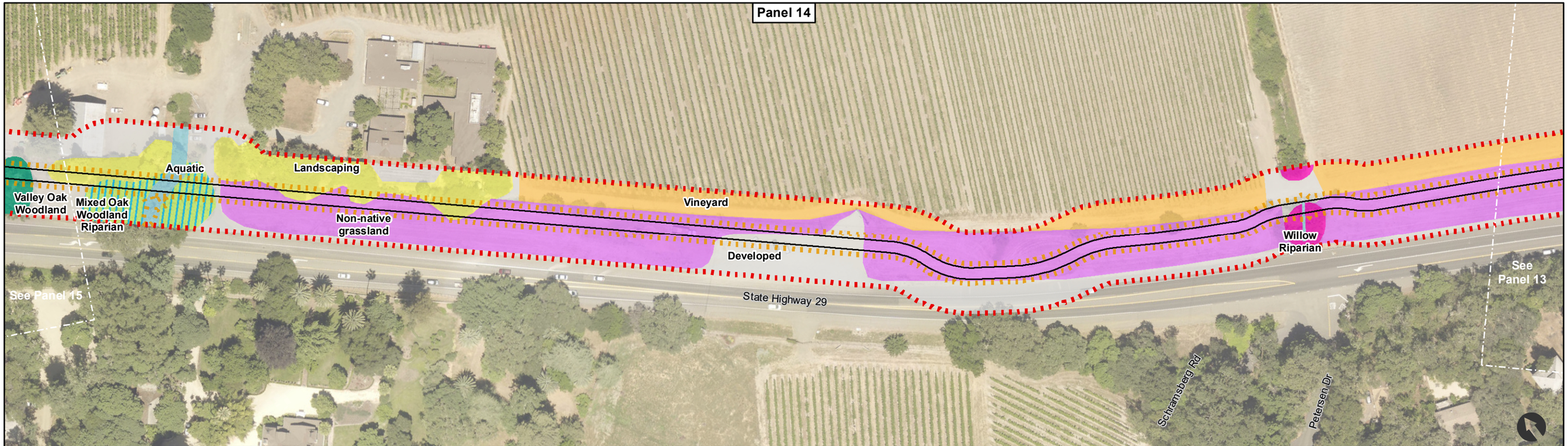

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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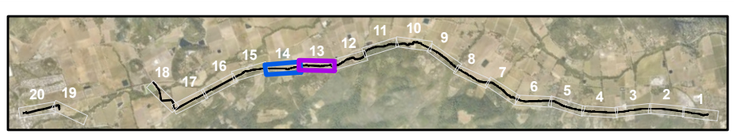
FIGURE 4G: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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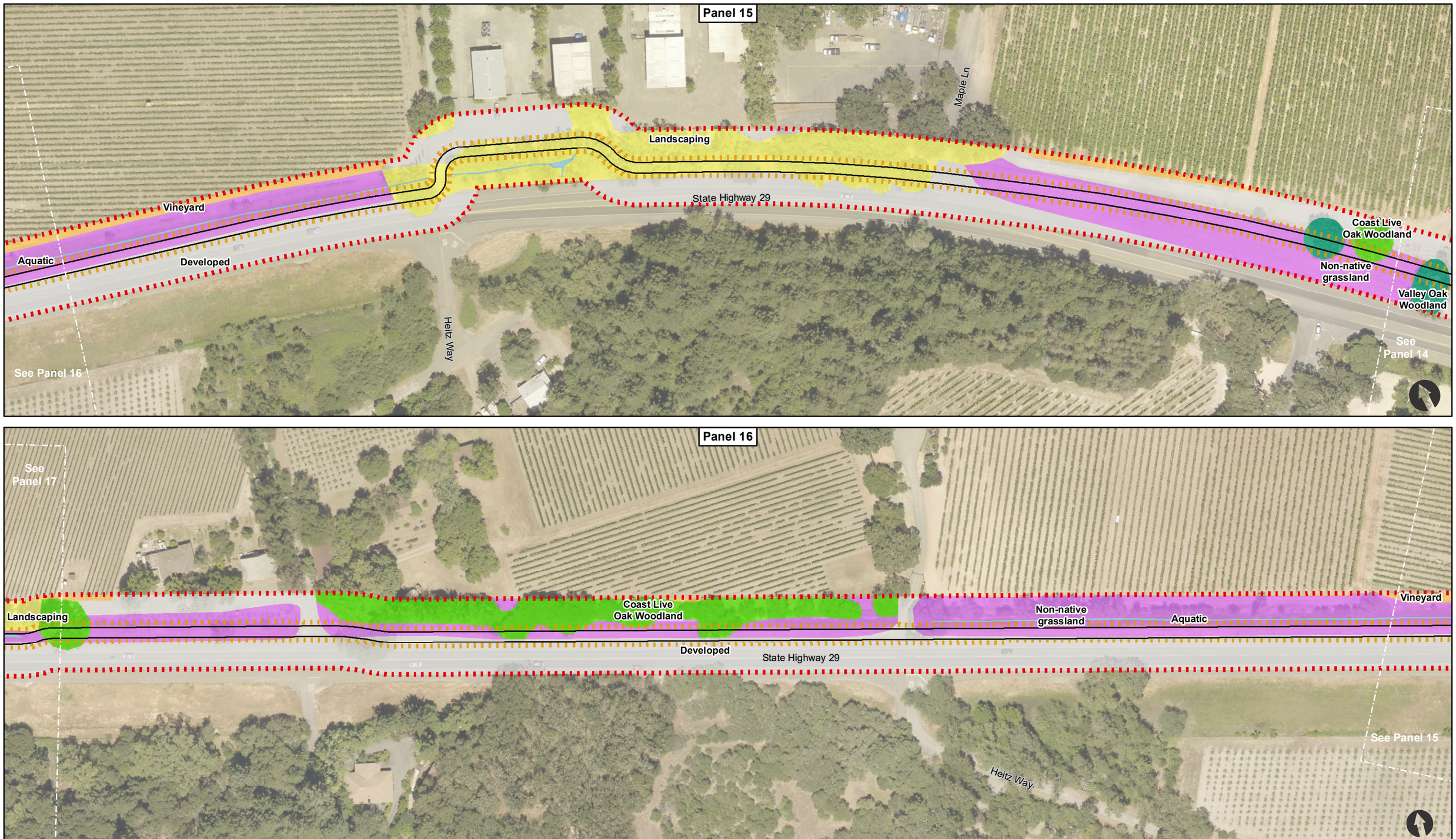

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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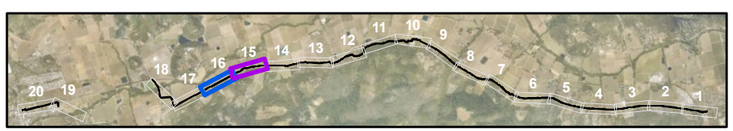
FIGURE 4H: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



0 50 100 Feet

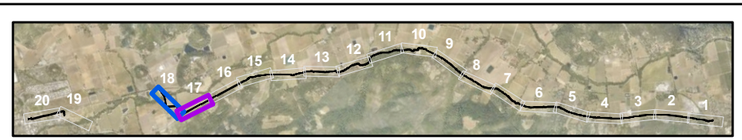
Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

FIGURE 4I: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



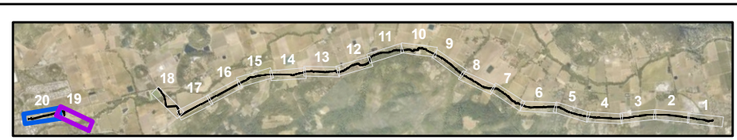
0 50 100 Feet

FIGURE 4J: Vegetation and Habitats in the Project Area

Napa Valley Vine Trail -- Fair Way Path Extension

LEGEND

- Proposed Trail
- Action Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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4.5 Cultural Resources

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

The following section is summarized from the Archaeological Survey Report (ASR) and Historical Resource Evaluation Report (HRER) [8] prepared for the proposed project (Appendix D and E, respectively).

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

Less Than Significant Impact. Two properties in the Area of Potential Effect (APE) were previously listed in the National Register of Historic Places (NRHP) and are listed in the California Register of Historical Resources (CRHR). These are the Beringer Winery Historic District at 200 Main Street, St. Helena, and the Napa Valley Railroad Calistoga Depot at 1458 Lincoln Avenue, Calistoga. The Cavanaugh/Wright house at 3107 St. Helena Highway (SR 29) is eligible for listing in the NRHP and CRHR under Criterion C/3 for its embodiment of bungalow architecture with a period of significance of 1916-1936. The remaining built environment properties in the APE do not meet the criteria for listing in the NRHP. Additionally, pursuant to Section 15064.5(a)(2)-(3) of CEQA, using criteria outlined in Section 5024.1 of the California PRC, the three properties in the APE that are listed in or determined eligible for listing in the NRHP are listed in the CRHR and are historical resources for the purposes of CEQA.

The Beringer Winery Historic District is located at the north end of St. Helena in Napa County, along the west side of SR 29, north of the intersection of Pratt Avenue and SR 29. It is comprised

[8] Pacific Legacy, Inc., 2020. Archaeological Survey Report; JRP Consulting, 2020. Historical Resources Evaluation Report, 2020.

of buildings and elements on and adjacent to the Beringer Winery property. The character defining features of the historic district include the architecture and design of individual contributors, along with circulation routes and significant landscape elements. The historic district is easily identified by an alley of elm trees lining SR 29 – the St. Helena Historic Elm Tunnel – which is a distinct boundary marker for the Beringer property and a contributing feature to the Historic District. The project would be located approximately 20 feet west of the St. Helena Historic Elm Tunnel and would not result in any potential direct or indirect uses.

The portion of the project that is adjacent to the St. Helena Historic Elm Tunnel would not affect the existing use and access to the St. Helena Historic Elm Tunnel. Neither the physical facilities, nor the functions, or activities conducted in the St. Helena Historic Elm Tunnel would be adversely affected. The proposed project would be constructed on an existing easement east of the Historic District. For project construction, existing pavers would be removed and replaced; resulting in the project being installed in previously disturbed areas. Impacts to trees would be avoided because design would be informed by an arborist report.

Access to the St. Helena Historic Elm Tunnel is anticipated to be maintained at all times during the project's construction and operation. Construction near the St. Helena Historic Elm Tunnel would be limited to removal and replacement of the existing path and there are no anticipated permanent adverse physical effects or other interferences with the activities or function of the resource. Temporarily disturbed areas would be fully restored to pre-project conditions once temporary impacts are complete. In addition, public access to the Tunnel would not be reduced as a result of the operation of the project. Therefore, impacts to historical resources would be less than significant and no mitigation is required.

While the Napa Valley Railroad Calistoga Depot and Cavanaugh/Wright house are located within the project APE, the project would not directly interface with these two resources. As such, the project would not directly affect these resources. Further, construction of the project would not indirectly affect these built resources because of construction noise and vibration.

Two previously identified archaeological resources that are eligible for listing are located within the project APE. Ground disturbing construction work would be limited to striping on the existing roadway near one of the resources, and signage which would require excavation into the subgrade would not be installed within 50 feet of this resource boundary. Near the second resource, the trail will be constructed using above ground fill and will not require any ground disturbance from where it leaves paved areas. As such, the project would not affect either of the two eligible archaeological resources.

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

Less Than Significant With Mitigation Incorporated. The horizontal area of ground disturbance for the proposed trail would measure 10 feet in width with 2-foot shoulders on either side for a maximum width of 14 feet. To account for any project changes, NVTA, in coordination with staff

from Caltrans District 4, identified a 20-foot buffer around all project activity areas for the Phase I archaeological inventory study. The Project's APE was defined as the survey area as well as the full horizontal extents of the archaeological resources recorded within and adjacent to the survey area. The archival and records search fully encompassed the APE as well as a surrounding 0.25-mile buffer. The vertical APE was defined as the expected depth of ground disturbance for the trail, which would be 1.5 to 2 feet in most areas, and the expected excavation depth for the retaining walls, which would be approximately 1.5 to 3.0 feet in most locations.

Background research and a pedestrian field inventory of the survey area revealed archaeological sites within the APE as shown in **Table 4.5-1**.

Table 4.5-1. Archaeological Sites Recorded within the Survey Area.

Primary No.	Trinomial	NRHP Evaluation Status
*Pending**	*Pending*	Not evaluated
*Pending**	*Pending*	Not evaluated
*Pending**	*Pending*	Not evaluated
*Pending**	*Pending*	Not evaluated
P-28-000062	CA-NAP-58/H	NRHP evaluation in progress, pending SHPO concurrence most likely eligible.
P-28-000240	CA-NAP-328/H	Previously determined eligible
P-28-000446	CA-NAP-563	Not evaluated
P-28-000454	CA-NAP-571/H	Determined Ineligible outside of BNVSP
P-28-000503	CA-NAP-625/H	Not evaluated
P-28-000560	CA-NAP-683	Not evaluated
P-28-000923	CA-NAP-360/H	Not evaluated
P-28-000951	CA-NAP-831	Ineligible
P-28-000952	CA-NAP-832	Ineligible
P-28-001287	CA-NAP-1016/H	Not evaluated
P-28-002528	None assigned	Not evaluated

*Newly identified archaeological sites. All other sites were previously recorded.

As shown in Table 4.5-1, four sites were newly identified and recorded, and eleven previously recorded sites were revisited and recorded. One previously recorded site (P-28-000062) is currently being evaluated for eligibility for listing in the NRHP and CRHR: Caltrans has recommended a finding of eligibility, pending State Historic Preservation Office (SHPO) concurrence. One site (P-28-000240) has been determined eligible for listing in the NRHP and CRHR. Six sites (P-28-000446, P-28-000503, P-28-000560, P-28-000923, P-28-001287, and P-28-

002528) have not been evaluated for listing in the NRHP and CRHR. Two sites (P-28-000951, and P-28-000952) have been determined not eligible for listing in the NRHP. One site (P-28-000454) has been determined not eligible for the portion of the site outside of BNVSP, the remaining portion has not been evaluated. The four newly identified sites (VT-03, VT-04, VT-05, and VT-06) are sparse prehistoric lithic scatters that may have subsurface components. New and updated DPR 523 forms have been prepared to document the field inventory results.

Construction activities for the project would include excavation and grading. Therefore, there is the potential for the project to affect previously identified and unidentified archaeological resources during ground disturbing activities. In order to avoid direct impacts to archaeological resources, the proposed project would be designed to be constructed on fill and to not excavate in native subgrade in locations which coincide with the boundary of known archaeological resources that are either potentially eligible or unevaluated. Signage which would require excavation into the native subgrade would not be installed within 50 feet of archaeological resource boundaries that coincide with the proposed trail through BNVSP. Mitigation Measures CUL-1 through CUL-3 would ensure archaeological resources that may be found on the site are properly identified and protected. With inclusion of these measures, potential project impacts would be reduced to a less than significant level.

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

Less Than Significant with Mitigation Incorporated. No known human remains occur on site. Pioneer Cemetery is located adjacent to the proposed trail alignment and the project is not expected to impact the cemetery. The proposed trail within the vicinity of the Pioneer Cemetery would be constructed on fill and would not require excavation into native subgrade. In the event that previously unknown human remains are encountered during earth removal or disturbance activities, the project would be required to comply with California Health and Safety Code Section 7050.5 and PRC as set forth in MM CUL-3. Potential impacts concerning human remains would be less than significant.

Mitigation Measures

MM CUL-1 Prior to initiating ground disturbing activities within the project area, construction personnel should be alerted to the possibility of encountering buried prehistoric or historic period cultural remains. Personnel should be advised that upon discovery of buried archaeological deposits, work in the immediate vicinity of the find should cease and a qualified archaeologist should be contacted immediately. Once the find has been identified, plans for the treatment, evaluation, and mitigation of impacts to the find shall be developed if it is found to be eligible for the National Register of Historic Places or the California Register of Historical Resources.

MM CUL-2 Archaeological resources unearthed by project construction activities shall be evaluated by a qualified archaeologist and Native American monitor. If the resources are Native American in origin, the tribe shall coordinate with the

jurisdiction regarding treatment of these resources. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and PRC Section 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) shall be the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis; provided no data recovery will be permitted to tribal cultural resources without prior consultation and consent of the Middletown.

MM CUL-3 California Health and Safety Code Section 7050.5, State CEQA Guidelines Section 15064.5, and PRC Section 5097.98 mandate the process to be followed in the event of an accidental discovery of any human remains in a location other than a dedicated cemetery. California Health and Safety Code Section 7050.5 requires that in the event that human remains are discovered, disturbance of the site shall be halted until the coroner has investigated the circumstances, manner and cause of death, and the recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation, or to his or her authorized representative, in the manner provided in PRC Section 5097.98. If the coroner determines that the remains are not subject to his or her authority and if the coroner recognizes or has reason to believe the human remains to be those of a Native American, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission.

4.6 Energy

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

Pacific Gas and Electric Company (PG&E) is the energy utility provider in Napa County, furnishing both natural gas and electricity for residential, commercial, industrial, and municipal uses. PG&E generates or buys electricity from hydroelectric, nuclear, renewable, natural gas, and coal facilities. In 2018, natural gas facilities provided 15 percent of PG&E's electricity delivered to retail customers; nuclear plants provided 34 percent; hydroelectric operations provided 13 percent; renewable energy facilities including solar, geothermal, and biomass provided 39 percent. [9]

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

No Impact. The Pacific Gas & Electric Company provides electricity and natural gas service to the project area. The proposed project would enhance pedestrian and bicycle safety and increase connectivity and mobility. The project would result in a nominal increase in electricity and natural gas demand. This nominal increase represents an insignificant percent increase compared to overall demand in PG&E's service area. Therefore, projected electrical and natural gas demand would not significantly impact PG&E's level of service.

During construction, transportation energy use depends on the type and number of trips, vehicle miles traveled, fuel efficiency of vehicles, and travel mode. Transportation energy use during construction would come from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction employee vehicles that would use diesel fuel and/or

[9] [1] Pacific Gas and Electric, Exploring Clean Energy Solutions, https://www.pge.com/en_US/about-pge/environment/what-we-are-doing/clean-energy-solutions/clean-energy-solutions.page?WT.mc_id=Vanity_cleanenergy, accessed November 7, 2019.

gasoline. The use of energy resources by these vehicles would fluctuate according to the phase of construction and would be temporary. Most construction equipment during demolition and grading would be gas-powered or diesel-powered, and the later construction phases would require electrically-powered equipment. Impacts related to transportation energy use during construction would be temporary and would not require expanded energy supplies or the construction of new infrastructure; impacts would not be significant.

During operations, energy consumption associated with the trail would be nominal. Furthermore, gasoline fuel facilities and infrastructure already exist in the surrounding area. Consequently, the proposed project would not result in a substantial demand for energy that would require expanded supplies or the construction of other infrastructure or expansion of existing facilities. Additionally, fuel consumption associated with vehicle trips generated by the proposed project would not be considered inefficient, wasteful, or unnecessary. The proposed project would not result in wasteful, inefficient, or unnecessary consumption of energy resources. Therefore, there would be no impact.

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

No Impact. The proposed project would enhance pedestrian and bicyclist safety and increase connectivity and mobility. The project would further promote alternative modes of transportation and reduce vehicle trips. The project is a trail extension and therefore would not generate any new automobile traffic or require energy use. Additionally, as discussed further in Threshold 4.8 (b), the proposed project would be consistent with the California Air Resources Board (CARB) Scoping Plan measures as well as the overall goals of the Calistoga Climate Action Plan, Napa County Climate Action Plan, and St. Helena Climate Change element in the General Plan. Although these documents are the strategic planning document to reduce GHG emissions in the cities and Napa County, the reduction in GHG emissions would occur by providing alternative transportation options, which reduces vehicle fuel consumption. The proposed project would not conflict with any strategies for renewable energy or energy efficiency. Therefore, there would be no impact.

4.7 Geology and Soils

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			X	
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?			X	
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?			X	
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?			X	
e) Have soils incapable of adequately supporting the use of septic tanks or				X

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
alternative waste water disposal systems where sewers are not available for the disposal of waste water?				
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?		X		

a) *Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:*

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

ii. *Strong seismic ground shaking?*

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

iv. *Landslides?*

Less Than Significant Impact. The Alquist-Priolo Earthquake Fault Zoning Act (1972) and the Seismic Hazards Mapping Act (1990) direct the State Geologist to delineate regulatory "Zones of Required Investigation" to reduce the threat to public health and safety and to minimize the loss of life and property posed by earthquake-triggered ground failures. Cities and counties affected by the zones must regulate certain development "projects" within them. Earthquake hazard zones define areas subject to three distinct types of geologic ground failures: (1) fault rupture, where the surface of the earth breaks along a fault; (2) liquefaction, in which the soil temporarily turns to quicksand and cannot support structures; and (3) earthquake-induced landslides. The project site is not in a Zone of Required Investigation.[10]

The project site is not within an Alquist-Priolo fault zone.[11] No known surface fault traverses the site. Therefore, the potential for surface rupture due to faulting occurring beneath the site is considered low. Therefore, the proposed project would not have any impacts in relation to a

[10] California Department of Conservation. (2019). *California Earthquake Hazard Zone Application.* Retrieved from https://maps.conservation.ca.gov/cgs/EQZApp/app/. Accessed on January 26, 2020.
[11] Ibid.

rupture of a known earthquake fault as delineated on the most recent Alquist-Priolo Earthquake Fault Map.

Napa County, as well as most of the greater San Francisco Bay area, is in a region of high seismic activity. Ground shaking originating from earthquakes along active faults in the region is expected to induce lower horizontal accelerations due to smaller anticipated earthquakes and/or greater distances to other faults. The design and construction of the project would meet the applicable standards established during final engineering. Compliance with the standard conditions would ensure that project implementation would result in a less than significant impact associated with seismic activity.

Soil liquefaction is a condition where saturated, granular soils undergo a substantial loss of strength and deformation due to pore pressure increase resulting from cyclic stress application induced by earthquakes. In the process, the soil acquires mobility sufficient to permit both horizontal and vertical movements if the soil mass is not confined. Soils most susceptible to liquefaction are saturated, loose, clean, uniformly graded, and fine-grained sand deposits. If liquefaction occurs, foundations resting on or within the liquefiable layer may undergo settlements. This would result in reduction of foundation stiffness and capacities.

According to the Napa County Liquefaction Susceptibility Map, the project site is within a high liquefaction susceptibility area. The proposed project would be required to be in conformance with the California Building Code and other applicable standards. Conformance with standard engineering practices and design criteria would reduce the effects of ground failure to a less than significant level.

Because the site is relatively flat lying, the potential for landslides and seismically induced slope failures at or near the project site is low. Additionally, the City of Calistoga Potential Landslide Risk Map indicates that the project site is in a moderate slide occurrence zone. The City of St. Helena Existing Landslide Distribution Map indicates that the project site is in an area with few landslides. Therefore, project implementation would result in less than significant impacts associated with the exposure of people or structures to potential substantial adverse effects involving landslides and no mitigation is required.

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

Less Than Significant Impact. Grading would be required to construct some segments of the trail and install the PHB crossings across SR 29. Grading and earthwork activities during construction would expose soils to potential short-term erosion by wind and water. Because the project would disturb more than one acre, a SWPPP would be developed in accordance with the *NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities* (NPDES General Construction Permit)(Order No. 2009-0009-DWQ, NPDES No. CAS000002) (California State Water Resources Control Board (SWRCB) 2009). The SWPPP would identify BMPs that would be implemented to prevent soil erosion during construction and to stabilize the

site at the end of construction. These requirements would ensure that potential project impacts are less than significant.

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

Less Than Significant Impact. According to the Napa County General Plan, the project site is within an area with high susceptibility to liquefaction. Because the potential for liquefaction is high, and because the site is relatively flat and due to the presence of creek channels within or near the site, the potential for lateral spreading is considered high. Lateral spreading is a potential hazard commonly associated with liquefaction where extensional ground cracking and settlement occur as a response to lateral migration of subsurface liquefiable material. These phenomena typically occur adjacent to free faces such as slopes and creek channels. The proposed project would be required to be in conformance with the latest version of the California Building Code and other applicable standards. Conformance with standard engineering practices and design criteria would reduce the effects of ground failure to a less than significant level.

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

Less Than Significant Impact. Expansive soils can change in volume depending on moisture content. When wet, these soils can expand; conversely, when dry, they can contract or shrink. Sources of moisture that can trigger this shrink-swell phenomenon can include seasonal rainfall, landscape irrigation, utility leakage, and/or perched groundwater. Expansive soil can exhibit wide cracks in the dry season, and changes in soil volume have the potential to damage concrete slabs, foundations, and pavement. Adherence to all construction and project design features would ensure impacts are less than significant.

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

No Impact. The project does not propose the use of septic tanks. Therefore, no impact would occur and no mitigation is required.

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

Less Than Significant with Mitigation Incorporated. Paleontological resources are the fossilized remains of organisms from prehistoric environments found in geologic strata. These resources are valued for the information they yield about the history of the earth and its past ecological settings. The potential for fossil occurrence depends on the rock type exposed at the surface in a given area. Typically, paleontological resources are found within alluvium deposits.

According to the St. Helena General Plan EIR, "the depths of these [alluvium] deposits are unknown, but likely extend for several feet below the ground surface. Below these Quaternary deposits are deposits that date from the Pliocene to the Middle Jurassic periods. These older deposits, due to their potential to contain sensitive or significant paleontological resources, are most likely at considerable depths below the ground surface." The existing surface would be excavated to a depth of 1.5 to 2 feet to install the trail surface. The existing surface would be excavated to a depth of 1.5 to 3 feet to install the retaining walls. The PHB crossing will require excavation to a depth of 11 feet. It is not anticipated that any paleontological resources would be encountered as a result of these excavations.

Although not anticipated, the potential to encounter paleontological resources during subsurface construction activities associated with the project, such as grading and trenching, still exists. If the project were to encounter paleontological resources, the project could potentially result in a significant impact to paleontological resources. Accordingly, implementation of Mitigation Measure GEO-1 is recommended to reduce potential impacts to paleontological resources that may be discovered during project construction. With the incorporation of mitigation, impacts associated with paleontological resources would be less than significant.

Standard Conditions and Requirements

SC GEO-1: Prior to issuance of a building permit, all construction shall meet the seismic building standards required in the most recent, adopted edition of the California Building Code.

SC GEO-2: Prior to issuance of a building permit, a grading permit shall be obtained, subject to review and approval by the Napa County Engineer, City of Calistoga Engineer, and City of St. Helena Engineer pursuant to the most recent, adopted edition of the California Building Code and jurisdictional grading standards.

SC GEO-3: Prior to the issuance of grading permits, the Cities and County shall review all project plans for grading, foundation, structural, infrastructure, and all other relevant construction permits to ensure compliance with the applicable recommendations from the Geotechnical Investigation and other applicable Municipal Code requirements.

Mitigation Measures

MM GEO-1: If buried paleontological materials are encountered during construction, it is Caltrans' policy that work stop in that area until a qualified paleontologist can evaluate the nature and significance of the find and excavation activities within a 100-foot radius of the find shall be temporarily halted or diverted. The certified paleontologist shall document any discoveries as needed in accordance with the Society of Vertebrate Paleontology standards and assess the significance of the find under the criteria set forth in CEQA Guidelines Section 15064.5. The paleontologist shall notify the NVTA to determine procedures that would be followed before construction activities are allowed to resume at the location of

the find. If the NVTA determines that avoidance is not feasible, the paleontologist shall prepare an excavation plan for mitigating the effect of construction activities on the discovery.

4.8 Greenhouse Gas Emissions

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

Unlike emissions of criteria and toxic air pollutants, which have local or regional impacts, emissions of greenhouse gases (GHGs) that contribute to global climate change have a broader global impact. Global climate change is a process whereby GHGs accumulating in the atmosphere contribute to an increase in the temperature of the earth's atmosphere. The principal GHGs contributing to global climate change are carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and fluorinated compounds. These gases allow visible and ultraviolet light from the sun to pass through the atmosphere, but they prevent heat from escaping back into space.

Among the potential implications of global climate change are rising sea levels, and adverse impacts to water supply, water quality, agriculture, forestry, and habitats. In addition, global climate change may increase electricity demand for cooling, decrease the availability of hydroelectric power, and affect regional air quality and public health. Like most criteria and toxic area pollutants, much of the GHG production comes from motor vehicles. GHG emissions can be reduced to some degree by improved coordination of land use and transportation planning on the city, county and sub regional level, and other measures to reduce automobile use. Energy conservation measures can also contribute to reductions in GHG emissions.

The BAAQMD CEQA Guidelines, recommend that all GHG emissions from a project be estimated, including a project's direct and indirect GHG emissions from operations. Because the proposed project is a trail project and would not generate any vehicle trips, the proposed project is not expected to generate GHG emissions and would not conflict with any plan related to the reduction of GHG emissions.

The BAQQMD does not have an adopted Threshold of Significance for construction-related GHG emissions. However, BAAQMD recommends that the Lead Agency quantify and disclose GHG

emissions that would occur during construction and decide on the significance of these construction generated GHG emission impacts in relation to meeting AB 32 GHG reduction goals. The Lead Agency is encouraged to incorporate BMPs, such as recycling at least 50 percent of construction waste or demolition materials, to reduce GHG emissions during construction, as applicable.

GHG emissions associated with implementation of the proposed project would occur over the short-term from construction activities, consisting primarily of emissions from equivalent exhaust. The proposed project would not result in significant, long-term, GHG emissions, as the proposed project consists of a trail for pedestrians and bicyclists that would not generate vehicle trips and/or source emissions.

The primary existing sources of human-caused GHGs in the project area are vehicle emissions from SR 29, which is located adjacent to the proposed project.

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

Less Than Significant Impact. Construction GHG emissions were estimated using CalEEMod. For the purpose of this environmental analysis, project construction is expected to occur over an approximately nine-month period. Construction activities would include grading, paving, and coating for striping and signage.

Project construction would result in direct emissions of CO_2, N_2O, and CH_4 from the operation of construction equipment and the transport of materials and construction workers to and from the project site. Construction GHG emissions are typically summed and amortized over the lifetime of the project (assumed to be 30 years)[12]. BAAQMD does not have a threshold for construction GHG emissions but recommends that construction GHG emissions are quantified and disclosed. Construction of the project would result in a total of 486 $MTCO_2e$, which is approximately 16.2 $MTCO_2e$/year over the project lifetime (see Appendix B).

Operational or long-term emissions occur over the life of the proposed project. Generally, GHG emissions would result from direct emissions such as project generated vehicular traffic, on-site combustion of natural gas, operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power over the life of the project, the energy required to convey water to, and wastewater from the project site, the emissions associated with solid waste generated from the project site, and any fugitive refrigerants from air conditioning or refrigerators.

The proposed project includes an approximately 6.8-mile trail extension which would not include any structures which would provide energy, waste, water, or wastewater emissions. Additionally, no vehicle trips are associated with the project. The project would use a sweeper

[12] The project lifetime is based on the standard 30-year assumption of the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13,* August 26, 2009).

occasionally to maintain the trail. However, this would generate negligible GHG emissions. Therefore, no GHG emissions are expected to be generated from operation of the proposed project and impacts are less than significant.

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

Less Than Significant Impact. In the absence of a regional or Citywide plans for reducing of GHGs, AB 32 was used in this analysis as the basis for determining the level of reductions in GHG emissions that would apply to the project. As additional information becomes available on GHG emissions reduction planning, the City may use such information or plans as a basis for evaluating GHG emissions impacts. AB 32 mandates the State to reduce GHG emissions to 1990 levels by 2020 and SB 32 requires a 40 percent reduction below 1990 levels by 2030. To achieve this goal, GHG emissions statewide must be reduced by approximately 30 percent by 2020.

The City of Calistoga has a Climate Action Plan (CAP) (2014) which includes various goals about reducing vehicle miles traveled (VMT) and promoting a pedestrian and bicycle friendly community. Some of the objectives include promoting a walking- and bicycling-friendly community (Objective T-1), reduce residents' vehicle trips outside the community for goods and services (Objective T-3), optimize the energy-efficiency of street lighting (Objective EE-4), and establish and preserve trees to sequester carbon and reduce urban heating (Objective CS-1).

Napa County has a draft CAP (2018) that includes goal and policies such as develop and implement active transportation projects (measure TR-14). The County will work with NVTA to implement the Pedestrian and Bicycle Master Plans and prioritize improvements in area where residential uses are within reasonable walking or biking distance to retail, parks, employment, or other key destinations. The County will also support existing efforts to develop multi-use trail systems (e.g., the Napa Valley Vine Trail).

The City of St. Helena does not have a CAP but has a Climate Change Element in the General Plan. The goals included in the element are increasing citywide transportation-related energy efficiency by decreasing vehicle miles traveled (VMT), reduce energy demand through improved building and design, reduce consumption and divert waste, and increase community engagement and advocacy. The project would be consistent with the goal and policies as it promotes a "walkable" and "bikeable" city (CC1.1), provides efficient modes of transportation for visitors and residents (CC1.3), and implements a pedestrian and bicycle networks within St. Helena that may connect to a countywide multi-use trail that extends from Calistoga to American Canyon (CC1.A).

In addition, the proposed project would comply with all BAAQMD applicable rules and regulations during construction and would not interfere with the State's goals of reducing GHG emission to 1990 levels by 2020 as stated in AB 32; a 40 percent reduction below 1990 levels by 2030 as noted in SB 32; and, an 80 percent reduction in GHG emissions below 1990 levels by 2050 as stated in EO S-3-05. Therefore, the proposed project would have a less than significant impact on GHG emissions.

4.9 Hazards and Hazardous Materials

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?		X		
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?		X		
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?		X		
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?				X

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			X	

An Initial Site Assessment (ISA)[13] was conducted along the project alignment to identify and evaluate the level of risk to the project associated with hazardous materials, hazardous waste, and/or contamination. The trail alignment was assessed for the potential of encountering hazardous materials during proposed construction activities and/or operations (See Appendix F).

The project area is a traffic-bearing road in Napa County. According to the ISA, these roads have supported vehicular traffic since the 1950s. Due to this vehicular activity, the soils in the project area are likely contaminated with aerially deposited lead (ADL) from when cars took leaded gasoline (through the mid-1980s). The lead levels in surface soils along highways can reach concentrations in excess of the hazardous waste thresholds requiring disposal at either a Class I landfill or on-site stabilization.

An environmental records search was conducted that identified several sites that were adjacent to the proposed project, however upon detailed review of these sites, they were either listed for air permits, generators of hazardous wastes, or storage of chemicals (refer to Appendix F). All Leaking Underground Storage Tank (LUST) sites listed within the project area have been closed. Active Underground Storage Tank (UST) sites were identified in the records search, and these are associated with vineyards adjacent to the proposed trail alignment. The physical location of the vineyards with USTs do not coincide with the proposed trail and are either down gradient of the proposed project or too far removed from the site to be of concern. Review of Envirostor and Geotracker databases identified no hazardous release sites adjacent to, or upgradient/upstream of, the proposed project that would have an adverse environmental impact.

The County of Napa has adopted an Operational Area Hazard Mitigation Plan (OAHMP) which ensures the most effective and economical allocation of resources for the protection of people and property prior to the onset and during a natural or technological disaster. The OAHMP's

[13] Parikh Consultants, INC, 2020. Phase I Initial Site Assessment, Proposed Vine Trail – St. Helena to Calistoga Napa County, California. February 14, 2020. (Appendix F)

identified the County's potential hazards, their likelihood and frequency of occurrence, and a set of mitigation measures that were created to address these risks.

Additionally, the County of Napa has prepared an Emergency Operations Plan (EOP) to ensure the most effective and economical allocation of resources for protecting people and property in case of an emergency. The objective of the EOP is to incorporate and coordinate all the facilities and personnel of the County and Operational Area member jurisdictions into an effective organization capable of responding effectively to any emergency.

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

Less Than Significant With Mitigation Incorporated. As described above, surface soils within the project area may be affected by ADL. If soils and groundwater are not properly managed during construction, exposure to these hazardous materials could pose a health hazard to construction workers. Exposure to contaminants in soil or groundwater could occur through the inhalation of fugitive dust, incidental ingestion, or dermal contact with contaminated material. The implementation of Mitigation Measures HAZ-1 and HAZ-2 described below would reduce the potential for these health hazard impacts to occur. These measures would protect construction workers from coming in contact with contaminated materials present in soil and groundwater, if present, and would reduce this potential impact to less than significant.

During operations of the proposed project, no routine transport or disposal of hazardous materials would be associated with the proposed project. The hazardous materials most likely to be used during construction include typical construction materials such as gasoline, diesel, motor oil, lubricants, solvents, and adhesives. Drips and small spills would be the most likely potential hazardous materials releases to occur, and any release that occurs in close proximity to a stream or drainage channel could have a significant impact on the environment, if not properly controlled. Given the project would disturb over one acre, a SWPPP would be developed and implemented in accordance with the *NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities* (NPDES General Construction Permit)(Order No. 2009-0009-DWQ, NPDES No. CAS000002) (SWRCB 2009). Implementation of the SWPPP would reduce the potential for hazardous materials releases to occur during construction and would reduce the potential for spills to impact sensitive habitat or human health, to less than significant.

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

Less Than Significant with Mitigation Incorporated. As described above in Section 4.9(a), it is likely that the surface soils along the project area are affected by ADL.

While some localized soil and aerial contamination may be present, construction activities are not anticipated to involve any materials or conditions that would result in risk of upset or accident that would release hazardous materials into the environment. Examples of projects that may involve such risk could include refineries, fuel storage, or tanker transportation, where accidents could result in catastrophic environmental or human consequences. The construction activity for this project would not involve such risk or circumstances. The implementation of Mitigation Measures HAZ-1 and HAZ-2 described below would reduce the potential health hazard impacts from the exposure of construction workers to contaminated material present in soil and groundwater to less than significant.

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

Less Than Significant with Mitigation Incorporated. There are 4 schools located within 0.25 mile of the proposed project: Calistoga Junior-Senior High School (0.20 mile north), Calistoga Joint Unified School (0.25 mile north), Calistoga Elementary School (0.25 mile east) and Robert Louis Stevenson School (0.20mile west). As described in 4.9 (a) above, the proposed project would not require routine use, transport or disposal of hazardous materials. Construction activities associated with construction could potentially disturb hazardous materials contained in soils or groundwater along the project alignment; however, implementation of Mitigation Measures HAZ-1 and HAZ-2 would reduce potential impacts associated with hazardous materials to less than significant.

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

No Impact. As discussed in the Phase I ISA, no active or open hazardous material sites were identified. Review of Envirostor and Geotracker databases identified no sites adjacent or upgradient of the proposed trail alignment. Thus, the proposed project would result in no impacts.

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

No Impact. The project site is not located within an airport land use plan or within two miles of a public airport or public use airport. The nearest airports are the Pope Valley Airport located approximately 7 miles east of the site and Schulz-Sonoma County Airport located approximately 15 miles west of the project site. Therefore, given that the proposed project is not located within an airport land use plan or within two miles of an existing airport, the proposed project would not result in a safety hazard for people residing or working in the project area.

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

No Impact. The proposed project would not result in interference with any adopted emergency response plans or evacuation plans. The proposed trail would be within unincorporated Napa County; the City of St. Helena; the City of Calistoga; BNVSP; Caltrans and public property; and easements on private property. During construction, road access may be disrupted temporarily. Streets and roads affected by trail construction would be appropriately signed with temporary traffic control measures per Caltrans standards and the MUTCD. After completion of the proposed trail and associated intersection improvements, temporary signage and traffic control measures would be removed. Once operational, the Vine Trail would connect two existing trail segments, providing another route that could be used by bicyclists and pedestrians in an emergency. Therefore, the proposed project would not impair or interfere with an adopted emergency response plan or evacuation plan.

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

Less Than Significant. According to the Local Responsibility Area (LRA) map, a portion of the proposed project is within a "Very High Fire Hazard Safety Zone" and portion is within a "Non-Very High Fire Hazard Severity Zone"[14]. The proposed project is also mapped within the "Very High" to "Moderate" Fire Hazard Severity Zones[15]. The proposed project would result in the construction of a trail and would result in similar uses to existing conditions, largely as a transportation corridor.

The County of Napa OAHMP has several measures in place to help reduce and address wildland fire risks. In addition, the Napa County General Plan Goal SAF-3 has incorporated many policies that protect homes and business minimize potential losses of life and property to wildfires and fire. Through consistency with the County of Napa OAHMP and Napa County General Plan goals and policies, the proposed project would not expose people or structures, either directly or indirectly, to significant loss, injury or death involving wildland fires. Thus, impacts would be less than significant.

Mitigation Measures

MM HAZ – 1: Prior to construction, a Phase II Site Assessment shall be performed to further investigate hazardous material of concern. The Phase II Site Assessment shall be conducted by a California Professional Geologist and/or a California Professional Civil Engineer with experience in contaminated site investigation. General areas

[14] California Department of Forestry and Fire Protection. VHFHSZ in LRA. Available at: https://osfm.fire.ca.gov/media/6730/fhszs_map28.pdf. Accessed on February 13, 2020.

[15] California Department of Forestry and Fire Protection. VHFHSZ in SRA. Available at: https://osfm.fire.ca.gov/media/6732/fhszl_map28.pdf. Accessed on February 13, 2020.

and contaminants of concern to be included in the Phase II Site Assessment include:

- **Soil Investigation**. Soil samples shall be collected prior to construction. Soil analytical results shall be screened against the Regional Water Quality Control Board's (2013) Environmental Screening Levels (ESLs) to determine appropriate actions to ensure the protection of construction workers and shall also be screened against hazardous waste thresholds, including total lead, to determine soil management options.

- **Hazardous Materials Management and Disposal**. Based on the findings of the Phase II Site Assessment, special soil and groundwater management and disposal procedures for hazardous materials may need to be implemented. Specialized construction worker health and safety measures during construction may also need to be implemented. Recommendations for any special management and disposal procedures should be included in the Phase II Site Assessment.

4.10 Hydrology and Water Quality

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			X	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			X	
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:			X	
i. Result in substantial erosion or siltation on- or off-site?			X	
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?			X	
iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?			X	
iv. Impede or redirect flood flows?			X	

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?			X	
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?				X

The proposed project is located near the Napa River, with much of the trail be located west of the Napa River. Runoff generally drains from the mountains west of SR 29 through various named and unnamed creeks which generally flow east and south and ultimately drain to the Napa River. The proposed project is located within the Napa River Watershed. The Napa River, constrained by Mount St. Helena to the North, the Mayacamas Mountains to the west, Howell Mountains, Atlas Peak, and Mount George to the east and the Napa-Sonoma Marsh to the south, drains a 426-square mile watershed that discharges to the San Pablo Bay. [16]

The Napa River is listed as an "impaired" water body due to nutrients, pathogens, and sedimentation/siltation. A listing of a water body as "impaired" triggers development of standards and implementation plans known as Total Maximum Daily Loads (TMDLs) for each water quality pollutant. Napa County has implemented regulations to address water quality concerns including erosion control, stream setbacks, vegetation retention requirements, shortened grading season, oversight of erosion control installations, special geologic stability assessments, and conservation sizing of water conveyance and detention facilities.

Other creeks that the proposed project crosses are York Creek, Hirsch Creek, Mill Creek, Ritchey Creek, Nash Creek, and various unnamed creeks. None of the additional creeks listed above are considered impaired water bodies.

According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps, most of the proposed project is not within a mapped flood plain. However, there is a portion of the trail between Deer Park Road and York Avenue that crosses into Zone AE and Zone X. Zone AE is the area of inundation due to the 100-year storm event (base flood), which has a 1% chance of occurring in any given year. Zone X is defined as an area with 0.2% annual chance flood, areas or

[16] Napa County, 2009.

1% annual chance flood with average depths of less than 1-foot or with drainage areas less than 1-square mile, and areas protected by levees from 1% annual chance flood.

The general NPDES stormwater permits for general construction activities require an applicant to file a NOI with the applicable RWQCB to discharge stormwater and prepare and implement a SWPPP. The SWPPP would include a site map, description of stormwater discharge activities, and BMPs that would be employed to prevent water pollution. The SWPPP for general construction activity permits must describe BMPs that would be used to control soil erosion and discharges of other construction-related pollutants that could contaminate nearby water resources.

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

Less Than Significant. While much of the proposed trail would occur on existing roadway and disturbed shoulder areas, the proposed project would result in an increase in the amount of impervious area as a result of new trail. This could result in a slight increase in flowrates and volumes of stormwater runoff, as compared to existing conditions. The path will generally drain its runoff to adjacent pervious, non-erodible surfaces. However, there are cases where the path would drain directly to pervious, non-erodible surfaces. These cases occur where the path crosses existing roads and existing paved areas on private and public properties, where existing drainage patterns flow to pervious, non-erodible surfaces.

The proposed project would be required to comply with Napa County, City of St. Helena, and City of Calistoga regulations related to stormwater runoff, including implementation of post-construction BMPs and the requirements of the Phase II Small Municipal Separate Storm Sewer System (MS4) permit (NPDES Permit Order No. 2013-0001). Compliance with these regulations would ensure that long-term operation of the proposed trail would have a less than significant impact on water quality.

Construction activities have the potential to disrupt soil and cause erosion and increase sediment runoff. Materials used during construction of paved trails may have chemicals that are potentially harmful to aquatic resources and water quality. Accidents or improper use of these materials could release contaminants into the environment. Additionally, oil and other petroleum products used to maintain and operate construction equipment could be accidentally released.

NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (NPDES General Construction Permit)(Order No. 2009-0009-DWQ, NPDES No. CAS000002) (SWRCB 2009) requires construction sites over one acre that do not qualify for a waiver to prepare and implement a SWPPP. The SWPPP shall incorporate BMPs to control sedimentation and runoff and meet CGP requirements. Compliance with the NPDES Permit is

mandated by state and federal laws. Consistent with the CGP, the SWPPP shall adhere to the following requirements:

- The SWPPP shall include measures to avoid creating contaminants, minimize the release of contaminants, and water quality control measures to minimize contaminants from entering surface water or percolating into the ground during and following the completion of construction.
- The SWPPP shall be submitted to the RWQCB in compliance with the requirements of the CGP.
- A spill prevention and countermeasure plan shall be incorporated into the SWPPP.

Consistent with the CGP a SWPPP would contain the following protective measures:

- No discharge of pollutants from vehicle and equipment cleaning into any storm drains or watercourses.
- Vehicle and equipment fueling and maintenance operations must be located away from watercourses, except at established commercial gas stations or established vehicle maintenance facility or staging areas with BMPs installed and maintained.
- Concrete wastes will be collected in washouts and water from curing operations is collected and disposed. Neither will be allowed into watercourses.
- Spill containment kits will be maintained onsite at all times during construction operations and/or staging or fueling of equipment.
- Dust control measures will include use of water trucks and organic tackifiers to control dust in excavation-and-fill areas, covering temporary access road entrances and exits with rock (rocking) or comparable stabilization techniques, and covering of temporary stockpiles when weather conditions require.

If dewatering is necessary in areas where groundwater is encountered within the planned depth of excavation, depending on surface and groundwater levels at the time of construction, the dewatering shall be consistent with RWQCB requirements and as such would not result in a violation of water quality standards or waste discharge requirements. Therefore, impacts as a result of the proposed project would be less than significant.

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

Less Than Significant. The proposed project would not result in the construction of large impervious surface areas that would prevent water from infiltrating into the groundwater nor would it result in direct additions or withdrawals to existing groundwater. The proposed project

would run above the Napa Valley Subbasin. The depth to groundwater varies from 2 feet to 20 feet. A majority of the project will require excavation at depths of 1.5 to 3 feet with a maximum excavation depth of 11 feet for the PHB crossings. Dewatering may be required if groundwater is encountered during excavation. Dewatering, if necessary, would be conducted in compliance with requirements of the RWQCB included in a Clean Water Act 401 Water Quality Certification or Waste Discharge Certification, which is required for this project. Therefore, the proposed project would have a less than significant impact.

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

i. Result in substantial erosion or siltation on- or off-site?

Less Than Significant. No significant change in either drainage patterns or on-site or off-site effects from erosion and siltation would occur. Topography along the proposed project is mostly flat and the exiting grade would not substantially change. Where needed, drainage improvements would be installed to capture stormwater and convey it into the existing storm drain systems and channels. These drainage improvements would remain after construction. Minimal alterations to the existing drainage system would result from the proposed project.

Free span, pre-fabricated bridges are proposed in three locations; one to span an existing wetland and drainage feature on private property, one to cross an existing drainage ditch located on private property south of Twomey Winery, and one to span Napa River on Dunaweal Lane. Stormwater runoff would be conveyed to a discharge location where the energy would be dissipated as to minimize erosion that may occur from concentrated flows. As describes in Section 4.10 (a) above, BMPs would be implemented during construction so that on-site and off-site erosion and sedimentation would be controlled to the extent practicable. Therefore, the proposed project would have a less than significant impact.

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

Less Than Significant. As described in Section 4.10 (a) and (c (i)), no substantial change in either drainage patterns or flooding on-or off-site would occur as a result of the proposed project. Most of the proposed trail would occur on existing roadway rights of way; however, some of the proposed trail would require new impervious surfaces to be constructed. The new impervious surface areas would increase surface runoff, but it would not be substantial enough to result in flooding as a majority of the trail runoff would be discharged to adjacent non-erodible permeable areas.

In some locations, the proposed project will perpendicularly and longitudinally cross existing ditches. A cross culvert or series of junction boxes and culverts would be installed to continue to

convey flows similar to existing conditions. During construction, BMPs identified in the SWPPP would be implemented so that on-site and off-site erosion and sedimentation would be controlled to the extent practicable. Therefore, this impact would be less than significant.

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

Less Than Significant. Refer to response 4.10 (a), (c (i)), and (c (ii)) above.

iv. Impede or redirect flood flows?

Less Than Significant. According to FEMA Flood Insurance Rate Maps, most of the proposed project is not within mapped flood plain. However, there is a portion of the trail between Deer Park Road and York Avenue that crosses into Zone AE and Zone X. Zone AE is defined as having a 1% chance of floods occurring in any given year. Zone X is defined as an area with minimal flood hazard. Neither Zone AE nor Zone X are considered to be high flood hazard areas. Since the topography along the proposed project is mostly flat and the exiting grade would not substantially change, flood waters would not be redirected as a result of the proposed project. In addition, since there are no bridge footings proposed in Flood Zone AE, the proposed project would not result in flood water displacement.

Retaining walls would not be installed in a location or manner that would impede or redirect flood flows. In a few locations where retaining walls are proposed, near the BNVSP park entrance road and near Krug Winery entrance, existing roadside drainage ditches would be shifted a few feet from current location and graded to maintain the current capacity and flow line of the drainage ditch. Where necessary, stormwater runoff would be collected at the base of a retaining wall and conveyed to a suitable discharge location.

The proposed project crosses several creeks. As described in Section 4.10 (a) and (c(i)) above, runoff from the bridges will be collected and conveyed to a discharge location where the energy will be dissipated as to minimize erosion that may occur from concentrated flows. The discharge location will vary depending on various constraints in each location. The runoff would not discharge directly into the creeks, but instead discharge to a nearby area to allow for it to take a natural course into the various creeks. In addition, the proposed project will perpendicularly and longitudinally cross existing ditches. A cross culvert or series of junction boxes and culverts will be installed to continue to convey the flows similar to existing conditions. Therefore, impacts as a result of the proposed project would be less than significant.

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

Less Than Significant. Seiches are caused when earthquake ground motions cause water to oscillate from one side to the other of a closed or partially closed body of water such as a lake,

bay or channel. Since no such bodies of water are located in the vicinity of the project site, there is no risk of release of pollutants due to project inundation.

Tsunamis, or seismic tidal waves, are caused by off-shore earthquakes that can trigger large, destructive sea waves. The project site is located approximately 36 miles east of the Pacific Ocean. Therefore, no impact would occur as a result of tsunamis or seismic tidal waves.

The project site is relatively flat so the potential for risk release of pollutants due to project inundation is unlikely. Therefore, due to the geographic location of the project, no impacts are likely to occur due to flood hazard, tsunami, or seiche zones. Thus, a less than significant impact would occur.

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

No Impact. Water quality impacts other than those described in response 4.10(a) above are not anticipated with implementation of the proposed project. The proposed project would be required to comply with Napa County, City of St. Helena, and City of Calistoga regulations related to stormwater runoff, including implementation of post-construction BMPs, the requirements of the Phase II Small Municipal Separate Storm Sewer System (MS4) permit (NPDES Permit Order No. 2013-0001), and requirements of the SWPPP and therefore there would be no impact.

4.11 Land Use and Planning

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

The project site extends from the City of St. Helena at the intersection of Pratt Avenue and SR 29, through Napa County, to the City of Calistoga at Dunaweal Lane and an existing segment of the Vine Trail. The proposed trail is located entirely within Napa County along SR 29; the trail passes through St. Helena, Calistoga, BNVSP, Caltrans' ROW, and public and private property. With exception of a portion of trail through BNVSP, most of the proposed trail would be on the east side and parallel to SR 29.

The proposed project is located within three separate jurisdictions: Napa County, City of Calistoga, and City of St. Helena. The relevant land use and zoning designations are included below and further described and illustrated within each jurisdiction's General Plan. According to the County of Napa General Plan, land uses along the project alignment are designated as Agricultural, Watershed and Open Space and Agricultural Resource. Corresponding zoning designations include Industrial (I) and Agricultural Preserve (AP). According to the Napa County General Plan, land uses along the project alignment designated for Agricultural Resource (applicable zoning designation includes AP), are intended for the preservation and protection of agricultural uses and recreational and public land uses that are compatible with adjacent land uses. The Industrial Zoning District is intended to develop and protect a variety of industrial uses.

According to the City of St. Helena General Plan, the only land use along the project alignment is designated as Agriculture (AG). Corresponding zoning designations are Winery (W) and Public/Quasi (PQ). The applicable City of St. Helena General Plan land use designation and zoning designations for the project site is intended for winery uses and public uses.

According to the City of Calistoga General Plan, land use along the project alignment is designated as Public/Quasi-Public. The City of Calistoga General Plan land use designation and zoning designation is intended for publicly owned and operated facilities.

The City of Calistoga has adopted the goal of working to preserve the global environment by promoting decreased reliance on motor vehicle travels through effective land use policies, improved public transit and facilities to accommodate bicycle and pedestrian modes of travel. The City of St. Helena General Plan also has policies to provide for convenient pedestrian and bicycle connections to encourage walking and reduce vehicle trips within the commercial area. The Napa County General Plan includes a Land Use element that encourages transit-oriented development, energy conservation, and promotes healthy, walkable communities.

a) Physically divide an established community?

No Impact. The physical division of an established community typically refers to the construction of a physical feature (such as an interstate highway or railroad tracks) or removal of a mean of access (such as local road or bridge) that would impair the mobility within an existing community, or between a community and outlying areas. The proposed project would provide a new Class I bicycle and pedestrian trail within Caltrans and public ROW, and on private property easements. The proposed project would not physically divide an established community, and in fact would provide for better connectivity. Therefore, the project would have a less than significant impact.

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

Less Than Significant. The plans, policies, and regulations applicable to the proposed project include the Napa County General Plan, the City of St. Helena General Plan, the City of Calistoga General Plan, the Napa County Municipal Code, NVTA's Mitigated Negative Declaration (MND) for Napa Countywide Bicycle Plan, BNVSP's General Plan, and the City of St. Helena Municipal Code and the City of Calistoga Municipal Code. As discussed above, the proposed project is an allowable land use according to the County of Napa, City of St. Helena, and City of Calistoga General Plan land use designation and zoning designation for the project site.

The proposed project would be consistent with County of Napa General Plan land use designation and zoning which allows for recreational and public uses that are compatible with surrounding land uses. The proposed project would also be consistent with the City of St. Helena and City of Calistoga General Plan land use designation and zoning allowing for public uses and visitor accommodations where development provides opportunities for amenities for serving the local community.

Generally, the proposed project is in direct support of many relevant plans and policies, which contain goals and policies in support of bicycle and pedestrian trails, and specific goals and policies in support of completion of the Vine Trail. Additional relevant policies relate to the protection of natural resources, water quality, cultural resources, visual resources, air quality,

and public safety from natural and human-caused hazards, provision of public services, noise and traffic. In addition, the proposed project would be consistent with BNVSP's General Plan, which anticipated an increase in visits by bicyclists and pedestrians. BNVSP has acknowledged the need for safer access for pedestrians, hikers, and bicyclists. The proposed project was also anticipated in the Napa Countywide Bicycle Plan MND to improve the bicycling environment for residents and visitors in Napa County by providing a bicycle-friendly community with bicycling infrastructure.

Many of the project impacts related to these topics are less than significant or are limited to the short-term construction phase of the project as described in the relevant sections of this document. With implementation of the mitigation measures contained in this document, the proposed project is consistent with all of these policies with all the relevant regulations and policies contained in these documents. This impact would be less than significant.

4.12 Mineral Resources

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

The State Mining and Reclamation Act of 1972 (SMARA) identifies and protects California's mineral resources. State mineral resource zones (MRZ) maps do not exist for the portion of the project within Napa County since MRZ zone maps were not created for the bulk of Napa County. According to the Napa County General Plan, three mines in Napa County are designated as active by the State Department of Conservation, Office of Mine Reclamation: 1) Napa Quarry (Syar Industries, Inc.), Pope Creek Quarry (Don Wesner, Inc.), and American Canyon Quarry (Syar Industries, Inc.) (initiated reclamation in July 2007). Only the Napa Quarry is a significant mining operation. None are located within 5 miles of the proposed project site.

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

No Impact. The proposed project would consist of a bicycle and pedestrian trail and associated improvements. The proposed project is not located in an area known to contain regionally significant mineral resources and would not result in the loss of the availability of a known mineral resource of regional value. Therefore, the proposed project would have no impact.

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

No Impact. The project site is not located in an area that has been identified by the County of Napa, City of Calistoga, or City of St. Helena as a locally important mineral resource recovery site.

Therefore, the proposed project would not result in the loss of the availability if any locally important mineral recovery site. Therefore, the proposed project would have no impact.

4.13 Noise

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?		X		
b) Generation of excessive groundborne vibration or groundborne noise levels?			X	
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				X

Sound is technically described in terms of amplitude (loudness) and frequency (pitch). The standard unit of sound amplitude measurement is the decibel (dB). The decibel scale is a logarithmic scale that describes the physical intensity of the pressure vibrations that make up any sound. The pitch of the sound is related to the frequency of the pressure vibration. Since the human ear is not equally sensitive to a given sound level at all frequencies, a special frequency-dependent rating scale has been devised to relate noise to human sensitivity. The A-weighted decibel scale (dBA) provides this compensation by discriminating against frequencies in a manner approximating the sensitivity of the human ear.

Noise is typically defined as unwanted sound. A typical noise environment consists of a base of steady ambient noise that is the sum of many distant and indistinguishable noise sources. Superimposed on this background noise is the sound from individual local sources. These can vary from an occasional aircraft or train passing by to virtually continuous noise from traffic on a major highway.

Several rating scales have been developed to analyze the adverse effects of community noise on people. Since environmental noise fluctuates over time, these scales consider that the effect of noise on people is largely dependent on the total acoustical energy content of the noise as well as the time of day when the noise occurs. For example, the equivalent continuous sound level (L_{eq}) is the average acoustic energy content of noise for a stated period of time; thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure.

The Day-Night Sound level (L_{dn}) is a 24-hour average L_{eq} with a 10 dBA "weighting" added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the nighttime. The Community Noise Equivalent Level (CNEL) is a 24-hour average L_{eq} with a 10-dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. and an additional 5 dBA weighting during the hours of 7:00 p.m. to 10:00 p.m. to account for noise sensitivity in the evening and nighttime.

The primary existing noise source in the project area is vehicular traffic, including cars, trucks, buses, and motorcycles on roadways near or in the project vicinity, especially along SR 29. The level of vehicular noise generally varies with traffic volume, the number of trucks or buses, the speed of traffic, and the distance from the roadway. According to the Napa County General Plan existing noise levels for SR 29 in the project area are approximately 68 L_{dn} at 100 feet from the centerline of the roadway (County of Napa, 2007).

The proposed project would construct an approximately 6.8-mile segment of trail from the City of St. Helena at the intersection of Pratt Avenue and SR 29, through Napa County, to the Calistoga city limits on Dunaweal Lane at the intersection of an existing segment of the Vine Trail. The closest residential property line is located approximately 10 feet from the proposed construction area.

Local Regulations

The proposed project is located within three separate jurisdictions: Napa County, City of Calistoga, and City of St. Helena. The relevant policies and municipal code sections are included below.

Napa County Noise Ordinance: Noise limits for construction activities are limited to 75 dBA between 7:00 a.m. and 7:00 p.m. in residential areas and 80 dBA in commercial areas (section 8.16.080). Between 7:00 p.m. and 7:00 a.m., noise generated from construction activities is limited to 60 dBA in residential areas and 65 dBA in commercial areas. Exterior noise standards for unincorporated Napa County are 55 dBA in suburban residential areas between 7:00 a.m. and 10:00 p.m. and 50 dBA in rural residential areas. According to the Noise Compatibility Guidelines

residential uses are completely compatible at 55 dBA L_{dn} and tentatively compatible between 55 and 60 dBA L_{dn}[17]

City of Calistoga Noise Ordinance: Construction noise standards for the City require construction activity to occur between 7:00 a.m. and 7:00 p.m. on weekdays and that equipment is properly muffled. Construction activities would be conducted in compliance with the City's Noise Ordinance (section 8.20.025). According to the General Plan Noise Element (2003) exterior noise exposure levels for residential uses is normally acceptable to 60 dB CNEL.

City of St. Helena Noise Ordinance: The City limits construction activities to the hours of 8:00 a.m. and 5:00 p.m. Monday through Saturday (section 8.24.010). However, delivery of materials/equipment and cleaning and servicing machines/equipment is permitted between 7:00 a.m. and 6:00 p.m. No construction activities that would generate noise that can be heard at property lines are allowed Sundays and holidays. The General Plan Public Health, Safety, and Noise Element (Update 2018) has a Noise Land Use Compatibility standard of up to 55 dBA CNEL for residential areas. However, 55-60 dBA is tentatively compatible. According to the General Plan, daytime intrusive noise levels shall not exceed 45 dBA L_{eq} from 7:00 a.m. to 7:00 p.m. for residential receptors.

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant With Mitigation Incorporated.

Construction Noise. Construction noise represents a short-term impact on ambient noise levels. The project would involve minimal construction activities which would be temporary and be short duration resulting in periodic increases in the ambient noise environment. Construction activities would primarily require the use of excavators, backhoes, pavers, and paving equipment. For the construction and placement of the three pre-fabricated bridges some crane equipment could be required on a limited basis. The heavy-duty equipment would be utilized for one-half to one full-day per bridge. Cranes have a low acoustical usage factor (meaning a brief period of time operating at full power). No pile driving would occur as part of the project.

Groundborne noise and other types of construction-related noise impacts typically occur during the initial earthwork phases. Operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Other primary sources of acoustical disturbance would be due to random incidents, which would last less than one minute (such as dropping large pieces of equipment or

[17] *Completely Compatible*: Specified land use is satisfactory, based on the assumption that any buildings involved are or normal conventional construction. *Tentatively Compatible*: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features are included in the design. Conventional construction, but with closed windows and fresh air supply systems of air conditioning will normally suffice. (Table 9.2 in the St. Helena General Plan Update 2040, 2018).

the hydraulic movement of machinery lifts). It should be noted that as project construction would not use large heavy-duty pieces of construction equipment such as a pile driving, graders, or scrapers, noise levels would be less intense than typical construction projects. Additionally, due to the width of the trail, only one or two small pieces of equipment would be used simultaneously.

Since it is a trail project, equipment would move in a linear fashion as opposed to operating adjacent to any one sensitive receptor for an extended period of time. Segments of the trail are bordered by residential uses; with the nearest approximately 10 feet from of the project site. The majority of residences are 100 feet or more from the project site. In addition, construction activities would occur throughout the project site and would not be concentrated at a single point near sensitive receptors.

Noise levels typically attenuate (or drop off) at a rate of 6 dB per doubling of distance from point sources, such as industrial machinery. During construction, exterior noise levels could affect the residential neighborhoods near the construction site. Construction activities would be relatively minor and would not produce excessive levels of noise (e.g., replacing construction machinery to be equipped with properly operating noise attenuation devices, designating haul routes away from sensitive receptors, locating staging areas away from receptors) would be required. Construction activities would be limited to daylight hours and equipment would be properly muffled.

Compliance with the applicable noise ordinance would ensure that construction noise does not disturb residents during the times they are most likely to be home or during hours when ambient noise levels are likely to be lower (e.g., at night). Implementation MM NOI-1 includes best practices that would reduce construction noise impacts on adjacent noise-sensitive land uses to a less than significant level.

Mitigation Measures

MM NOI-1: The following multipart measure shall be implemented to reduce construction noise impacts to a less-than-significant level:

- All equipment shall have sound-control devices that are no less effective than those provided on the original equipment. No equipment shall have unmuffled exhaust.
- All equipment shall be properly maintained and operated.
- The contractor shall implement appropriate additional measures to reduce noise when adjacent to receptor locations including but not limited to, changing the location of stationary construction equipment, using temporary noise barriers, and placing noise blankets around pile drivers.

- Within 14 days of starting construction, the contractor shall notify adjacent residents in advance of construction of the work hours and scheduled work.
- The construction contractor's specifications shall stipulate that noise-generating construction activities not be allowed between the hours of 7:00 p.m. and 7:00 a.m. daily for unincorporated Napa County or City of Calistoga or at any time on Sunday or a legal holiday except when permitted by the governing Planning Director for an extreme situation. For the City of St. Helena, construction activities shall not be allowed between 5:00 p.m. and 8:00 a.m. Monday through Saturday. Although the delivery of materials/equipment, and cleaning and servicing machines/equipment is allowed between 7:00 a.m. and 6:00 p.m.
- A Noise Control Plan shall be required of the construction contractor. The Plan would describe abatement measures to be utilized to comply with the noise regulations. The Plan shall also include a noise monitoring program to be implemented by the construction contractor. Special attention shall be given to minimizing noise effects near sensitive receptors.

Operational Noise. The proposed project would not introduce any new uses that would result in an increase of noise levels. The project would enhance pedestrian and bicyclist connectivity and safety. The project would serve existing pedestrians and bicyclists and no uses are proposed that would directly increase vehicular trips in the study area. Additionally, the project has been designed to be a pedestrian-oriented area and does not include any stationary noise sources. The project would include occasional street sweeping and landscape equipment for trail maintenance, however, this would be infrequent and temporary. The street sweeping and landscape equipment would not be substantial alter the existing ambient noise levels. Therefore, no long-term noise impacts would result with implementation of the proposed project. Operational noise impacts would be less than significant.

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

Less Than Significant Impact. Project construction can generate varying degrees of groundborne vibrations, depending on the construction procedure and the construction equipment used. Operation of construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. The effect on buildings located near a construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver buildings. The results from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at the highest levels. Groundborne vibrations from construction activities rarely reach levels that damage structures.

The Federal Transit Administration (FTA) has published standard vibration velocities for construction equipment operations. In general, the FTA architectural damage criterion for continuous vibrations (i.e., 0.20 inch/second) appears to be conservative. The types of construction vibration impact include human annoyance and building damage. Human annoyance occurs when construction vibration rises significantly above the threshold of human perception for extended periods of time. Building damage can be cosmetic or structural. Typical vibration levels produced by construction equipment is identified in **Table 4.13-1**.

Table 4.13-1: Typical Vibration Levels for Construction Equipment

Equipment	Approximate peak particle velocity at 25 feet (inches/second)[1]	Approximate peak particle velocity at 100 feet (inches/second)[1]
Loaded trucks	0.076	0.01
Small bulldozer	0.003	0.00
Large bulldozer	0.089	0.01
Jackhammer	0.035	0.00
Vibratory compactor/roller	0.210	0.03

Notes:
1. Peak particle ground velocity measured at 25 feet per Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, September 2018. Table 7-4.
2. Calculated using the following formula:
   $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$
   where:
   PPV (equip) = the peak particle velocity in in/sec of the equipment adjusted for the distance
   PPV (ref) = the reference vibration level in in/sec from Table 7-4 of the FTA *Transit Noise and Vibration Impact Assessment Manual* (2018).
   D = the distance from the equipment to the receiver.

Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual,* September 2018.

Groundborne vibration decreases rapidly with distance. As indicated in **Table 4.13-1**, based on the FTA data, vibrational velocities from typical heavy construction equipment operations that would be used during project construction range from 0.003 to 0.21 inches per second peak particle velocity (PPV) at approximately 25 feet from the source of activity. The closest sensitive receptors would be approximately 25 feet away from active construction zones. However, the nearest sensitive receptor structures are approximately 100 feet or more from the project site. Vibration from construction activities experienced at the nearest sensitive residential structures would range between 0.01 and 0.35 inch per second PPV, which is below the 0.20 inch-per-second PPV significance threshold. Therefore, a less than significant impact would occur.

Operational use of the project would not generate vibrational impacts. Use of the sidewalks and trails would not generate groundborne vibration that could be felt at surrounding uses. The proposed project would not involve railroads or substantial heavy truck operations, and therefore would not result in vibration impacts at surrounding uses. Impacts would be less than significant.

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

No Impact. The nearest airports are the Pope Valley Airport located approximately 7 miles east of the site and Schulz-Sonoma County Airport located approximately 15 miles west of the project site. Therefore, the project would not be exposed to aircraft overflight noise that exceeds noise exposure thresholds. There are no private airstrips within the project site vicinity. No impacts would occur.

4.14 Population and Housing

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

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

No Impact. The proposed project would not involve the construction of in new housing or new businesses. The project consists of the extension of a trail and would not induce substantial unplanned population growth in the area. Therefore, no impact would occur and no mitigation is required.

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

No Impact. The project site does not include any existing housing and no housing would be removed to accommodate the proposed project. Therefore, no impacts would occur and no mitigation is required.

4.15 Public Services

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i) Fire protection?				X
ii) Police protection?				X
iii) Schools?				X
iv) Parks?				X
v) Other public facilities?				X

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

i. Fire protection?

ii. Police protection?

No Impact. The project would not hinder the fire departments of Napa County, the City of Calistoga, and the City of St. Helena or the police departments of the City of Calistoga and the City of St. Helena from maintaining acceptable service ratios, levels of effort, response times or

other performance objectives given the nature of the project. As identified in the project description, the project would be constructed adjacent to SR 29 in most locations, including the two PHBs. However, no roadways would be completely closed during construction. Also, Napa County Fire Department and Cal Fire staff would have the ability to activate the PHBs when responding to emergency incidents. Therefore, no significant impacts would occur during construction or operation of the project. Implementation of the proposed project would not cause an increase in population, and therefore, service ratios for fire and police services would not be affected. Therefore, impacts to fire and police protection services would be less than significant.

iii. Schools?

iv. Parks?

v. Other public facilities?

No Impact. The project does not involve residential development or new employment-generating land uses and would therefore not generate an increase in the City's population. No major additional public services would be required to serve the proposed project. Therefore, no impacts to schools, parks, and other public facilities would occur.

4.16 Recreation

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

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

No Impact. The project's primary purpose is to help close a gap in the regional bicycle and pedestrian transportation network, which would provide bicyclists and pedestrians with a safe alternative to using SR 29 between the cities of St. Helena and Calistoga and beyond. Further, the project would run through the BNVSP, adding pedestrian and bicycle connectivity to the BNVSP. While the project could induce visitor use of the BNVSP by increasing the bicycle and pedestrian connectivity, it is not anticipated that any increased use of the BNVSP would result in physical deterioration of the facility. Therefore, the project would not increase the use of existing neighborhoods or regional parks or create a demand for construction of new or expansion of existing recreational facilities. No impacts would occur.

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

No Impact. The project would not result in the need for construction or expansion of recreational facilities. The proposed project would not materially increase the use of existing neighborhood or regional parks or require the expansion of recreational facilities which may have an adverse effect on the environment. Further, a portion the project would be located within the BNVSP

and would include several improvements to the BNVSP existing facilities. The added recreational opportunities and connectivity to existing recreational uses as a result of the project would be beneficial to the BNVSP. Therefore, no impacts would occur.

4.17 Transportation

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

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

Less Than Significant Impact. Implementation of the proposed project would result in the construction of a trail. Short-term construction trips would include the transfer of construction equipment, construction worker trips, and hauling trips for construction materials; however, impacts in this regard would be temporary in nature and would cease upon project completion. Long-term operation of the project would not generate vehicle trips that would adversely affect the circulation system; no impacts would occur. No project components would require removal of vehicular lanes such that capacity would be reduced, or that would affect transit service. Therefore, impacts would be less than significant.

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

Less Than Significant Impact. Implementation of the proposed project would enhance pedestrian and bicyclist safety and increase connectivity and mobility. The project would further

promote alternative modes of transportation and reduce vehicle trips. The project is not a land use associated with the generation of traffic and no project components would require removal of vehicle lanes such that capacity would be affected. Therefore, impacts are less than significant.

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

No Impact. The proposed improvements consist of bicycle and pedestrian facility improvements, bridges, retaining walls, drainage features, and PHB crossings. These improvements would provide bicyclists and pedestrians with a safe alternative to using SR 29 between the cities of St. Helena and Calistoga. The PHB crossings would further increase safety for both pedestrians and drivers on SR 29.

Portions of the trail within the BNVSP would be co-located on the existing roadway, which is utilized by vehicular traffic. Parts of the trail would be a Class 3 bicycle route within the BNVSP, which means pedestrian and bicycle users would share space with vehicles. However, pedestrians and bicyclists utilizing the BNVSP already utilize the roadway and the project would not introduce a new use or geometry that would substantially increase a hazard.

Overall, the project would introduce safer routes of travel and reduce several roadway hazards and not include any incompatible uses. Therefore, no impact would occur.

d) *Result in inadequate emergency access?*

Less Than Significant Impact. The City of Calistoga General Plan designates SR 29 as an evacuation route. Construction of the project would require flagger-controlled, one-way traffic control on SR 29 for construction of the PHB crossings. The proposed project includes pedestrian and bicyclist improvements and would not impact evacuation routes. During construction, one through travel lane in each direction on SR 29 would remain operational for emergency vehicle access. No roadways would be completely closed during construction. Therefore, impacts to an emergency response plan would be less than significant.

4.18 Tribal Cultural Resources

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

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

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

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

Less Than Significant with Mitigation Incorporated. Chapter 532 Statutes of 2014 (i.e., Assembly Bill [AB] 52) requires that lead agencies evaluate a project's potential impact on "tribal cultural resources." Such resources include "sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are eligible for inclusion in the California Register of Historical Resources or included in a local register of historical resources." AB 52 also gives lead agencies the discretion to determine, based on substantial evidence, whether a resource qualifies as a "tribal cultural resource."

In compliance with PRC Section 21080.3.1(b), NVTA provided formal notification to California Native American tribal representatives identified by the California Native American Heritage Commission (NAHC). Native American groups may have knowledge about cultural resources in the area and may have concerns about adverse effects from development on tribal cultural resources as defined in PRC Section 21074. NVTA sent letters to tribal representatives on the NAHC contact list and to the Federated Indians of Graton Rancheria on November 20, 2019. The letters informed them about the project and provided them with location maps as well as a description of proposed construction activities. The individuals contacted were as follows:

- Mr. Charlie Wright, Kletsel Dehe Band of Wintun Indians;
- Mr. Jose Simon III, Middletown Rancheria;
- Mr. Scott Gabaldon, Mishewal-Wappo Tribe of Alexander Valley;
- Mr. Anthony Roberts, Yocha Dehe Wintun Nation; and,
- Ms. Buffy McQuillen, Tribal Historic Preservation Officer, Federated Indians of Graton Rancheria.

Responses were received from Middletown Rancheria and the Yocha Dehe Wintun Nation. In a letter dated December 9, 2019, the Middletown Rancheria Tribal Historic Preservation Department indicated the project and surrounding area is a site of cultural, historical, and religious significance to the tribe. They requested documentation regarding archaeological studies and other associated documents in order to review them. They also provided mitigation measures applicable to the project and requested further consultation with NVTA.

On January 6, 2020, NVTA received a response from the Cultural Resources Office of the Yocha Dehe Wintun Nation. They stated that the project is not within the aboriginal territory of the

Yocha Dehe Wintun Nation and declined to comment on the project. They also identified Scott Gabaldon of the Mishewal Wappo Tribe of Alexander Valley as a contact.

On Wednesday, February 26, 2020, Rebecca Schenck of NVTA and John Holson of Pacific Legacy, Inc. met with Sally Peterson and Ryan Peterson of Middletown Rancheria in Calistoga to discuss the St. Helena to Calistoga section of the Napa Valley Vine Trail Project. Marcy Kamerath of Kimley-Horn participated via phone. An archaeological survey report was provided to Middletown Rancheria on February 24, 2020, prior to the meeting for their review and John Holson provided a copy of relevant cultural resource records at the meeting. Mr. Ryan of Middletown indicated they would provide comments on the ASR. Comments were requested from Middletown by March 13, 2020. Middletown Rancheria presented their site mapping and requested incorporation of five mitigation measures into the project environmental document. These were noted by NVTA and Pacific Legacy and were similar to those contained in the December 9, 2019, correspondence from Middletown Rancheria to NVTA. Mr. Holson presented the results of the Caltrans review of the ASR and indicated most likely Extended Phase I (XPI) and/or Phase II Evaluation studies would be required at several of the sites within the project area in order to address requirements for NEPA and Section 106 of the NHPA, for which Caltrans is the lead agency. Middletown Rancheria requested that a tribal monitor be present during archaeological survey and excavation for the project as well as during construction activities.

Middletown Rancheria also requested ongoing consultation throughout pre-construction and construction phases of the project. Middletown indicated that they would review the ASR and identify areas of concern not noted in the draft report. Pacific Legacy notified Middletown Rancheria they had received the permit to conduct studies for BNVSP on March 4, 2020. Middletown was invited to participate in the survey but was unable to attend due to prior commitments. Meeting notes summarizing the February 26 meeting were distributed to Middletown Rancheria on March 11, 2020. On April 1st, NVTA provided proposed tribal consultation resources mitigation measures to Middletown Rancheria for review and comment. On April 9th, Middletown Rancheria provided suggested changes to mitigation measures for tribal cultural resources and a section of the ASR. NVTA incorporated these changes into this document and the ASR.

There is the potential for ground disturbing activities associated with the project to inadvertently affect previously unidentified Native American tribal cultural resources. Due to the possibility of unearthing tribal cultural resources which include, but is not limited to, Native American human remains, funerary objects, items or artifacts, sites, features, places, landscapes or objects with cultural values during ground disturbance activities MM TCR-1 through MM TCR-5 have been identified to mitigate this potential impact to archaeological resources. Compliance with the mitigation measures would mitigate potential impacts to tribal cultural resources to a less than significant level.

Mitigation Measures

MM TCR-1: Prior to initial ground disturbance, NVTA shall, in consultation with Tribal Contacts, approve a Tribal Cultural Advisor. The Tribal Cultural Advisor will collaborate with project applicants to develop a monitoring plan for project-related ground disturbing activities. Tribal monitoring shall be conducted by qualified tribal monitor(s) approved by NVTA in consultation with Tribe Contacts. This individual(s) shall have experience with identification, collection and treatment of tribal cultural resources of value to the Tribe.

The project applicant shall coordinate with Tribal Contacts, at least 45 days prior to commencing project-related ground disturbing activities to address specific notification, protection, treatment, care and handling of any discovered tribal cultural resources.

Monitoring Frequency/Duration. All ground disturbing activities shall be monitored on a full-time basis by qualified tribal monitor(s) approved by NVTA, in consultation with the Tribe Contacts and supervised by the project Tribal Cultural Advisor. Duration and timing of monitoring will be determined by the project Tribal Cultural Advisor. Once ground disturbing activities are completed, the on-site tribal monitoring shall end monitoring activities or recommend that tribal monitoring be reduced to periodic spot-checking, if warranted. Tribal monitoring would be reinstated in the event of any new or unforeseen ground disturbances or discoveries.

MM TCR-2: Project-related ground disturbing activities are defined as soils testing requiring excavation, installation of concrete pilings, mechanical brush removal, rescrapes, pot-holing or auguring, boring, grading, trenching, foundation excavation, and any other activities requiring ground disturbance involving the moving of dirt or rocks with heavy equipment or hand tools within the project area.

MM TCR-3: Prior to initiation of ground disturbing activities, the applicant shall ensure that all on-site project personnel shall receive adequate cultural resource sensitivity training through the project's Worker Environmental Awareness Program (WEAP). This training shall be developed in collaboration with the project's Tribal Cultural Advisor or his or her authorized designee. The training shall ensure worker awareness of requirements regarding the protection of tribal cultural resources and the procedures to be implemented in the event that tribal resources are encountered. All training materials related to Tribal cultural resources shall be prepared in collaboration with the project's Tribal Cultural Advisor or his or her authorized designee and shall be confidential and excluded from public records.

MM TCR-4: In the event that unanticipated tribal cultural resources are encountered during ground-disturbing activities, the project Tribal Cultural Advisor and tribal

monitor(s) shall notify the project applicants by phone and may halt ground disturbance activities in the immediate area of discovery until further evaluation can be made in determining their significance and appropriate treatment or disposition.

MM TCR-5: The Tribe shall have an opportunity to inspect and determine the nature of the discovered resources and the best course of action for further avoidance, protection and/or treatment of tribal cultural resources to the extent permitted by law. If a resource is determined to be a tribal cultural resource of value to the Tribe, the Tribe will coordinate with the project applicant to establish appropriate treatment and disposition of the resources with appropriate dignity; this could include reburial or preservation of resources. The project applicant shall facilitate and ensure that the determination of treatment and disposition by the Tribe is followed to the extent permitted by law. No laboratory studies, scientific analysis, curation, or video recording are permitted for tribal cultural resources without prior written consent of the Tribe.

4.19 Utilities and Service Systems

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

A variety of local and regional purveyors in this area provide and maintain utility and service system facilities associated with electricity, water, stormwater, wastewater, solid water, communications and natural gas. Existing routes of underground gas and water pipelines are underground fiber-optic cables would remain. Utility poles and overhead utility lines that are in

conflict with the proposed trail alignment would be relocated in coordination with the affected utility provider prior to construction of the proposed project.

The proposed trail alignment has been designed to conform to existing grade and provide minimal alteration to existing drainage conditions. Where constrained by property lines, easement or change in grade such that a built-up slope would not be feasible, short retaining structures would be built.

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

Less Than Significant Impact. Existing storm drain facilities would be maintained as part of the proposed project. As described above, inlets or other means would be provided, where needed, to convey stormwater into existing storm drainage system and channels with minimal alteration to existing drainage patterns. These drainage improvements would remain after completion of the proposed project. The proposed project would not require or result in the construction of new stormwater drainage facilities that could result in significant environmental effects. This impact would be less than significant.

The proposed project would not require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities as no potable water and/or toilets would be provided as part of the proposed trail alignment. Therefore, the proposed project would have a less than significant impact.

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

No Impact. See 5.19a.

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

No Impact. See 5.19a.

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

Less Than Significant Impact. Project construction would generate waste including construction materials, trench spoils, and general refuse, and these wastes would need to be disposed of in local or regional facilities. Waste generated from construction would include: non-hazardous metal waste, non-hazardous non-metal waste (concrete rubble, organic waste [vegetation],

boxes and crates, refuse from construction workers), and trenching spoils (rubble, soil, broken asphalt). Non-hazardous metal and non-metal waste would be hauled to local disposal centers for recycling or taken to landfills. Trenching and excavation spoils would be reused to the maximum extent possible. The disposal demand would be reasonable relative to the solid waste disposal capacities of area landfills. The project would not generate additional waste once completed. Impacts related to solid waste disposal would be considered less than significant.

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

No Impact. The proposed project would comply with all federal, State, and local statutes and regulations related to solid waste. Therefore, the proposed project would have no impact.

4.20 Wildfire

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

According to the Local Responsibility Area (LRA) map, a portion of the proposed project is within a "Very High Fire Hazard Safety Zone" and portion is within a "Non-Very High Fire Hazard Severity Zone"[18]. The proposed project is also mapped within the "Very High" to "Moderate" Fire Hazard Severity Zones[19]

[18] California Department of Forestry and Fire Protection. VHFHSZ in LRA. Available at: https://osfm.fire.ca.gov/media/5935/san_jose.pdf. Accessed on February 13, 2020.

[19] California Department of Forestry and Fire Protection. VHFHSZ in SRA. Available at: https://osfm.fire.ca.gov/media/5935/san_jose.pdf. Accessed on February 13, 2020.

The County of Napa has adopted an OAHMP which ensures the most effective and economical allocation of resources for protection of people and property prior to the onset of a natural or technological disaster, including wildland interface fires. The OAHMP's identified the County's potential hazards, their likelihood and frequency of occurrence, and a set of mitigation measures that were created to address these risks.

Additionally, the County of Napa, has prepared an Emergency Operations Plan (EOP) to ensure the most effective and economical allocation of resources for protection for people and property in case of an emergency. The objective of the EOP is to incorporate and coordinate all the facilities and personnel of the County and Operational Area member jurisdictions into an effective organization capable of responding effectively to any emergency. The County of Napa has also formed, Napa Communities Firewise Foundation (Napa Firewise), which is a program dedicated to providing the residents of Napa County with information on the dangers of wildland fires. Napa Firewise provides specific steps residents and property owners can take to protect themselves in the event of a wildland fire. Napa Firewise provides extensive information and services to the community regarding fire safety. In addition, the Napa County General Plan has adopted multiple policies and actions with the main goal of protecting homes and businesses from fire and wildfire and minimize potential losses of life and property.

The City of Calistoga General Plan has also adopted several policies and actions to protect lives and property from wildland fire hazards by achieving a full understanding of local wildfire threats and behavior, and appropriate mitigation actions and responding to wildfires in an effective and coordinated manner. The City of St. Helena General Plan has plans and policies in place to help ensure that adequate levels of fire protection are maintained, particularly on hillsides and fire-prone areas, and to support regional collaboration for disaster preparedness.

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

No Impact. The County of Napa has adopted an EOP, which includes standard operating procedures for hazards, including wildfires. Although, the proposed project is zoned as "Very High Fire Hazard Safety Zone" and "Non-Very High Fire Hazard Severity Zone" on the Very High Hazard Severity Zones and "Very High" to "Moderate" on the Fire Hazard Severity Zones, the proposed project would not impair emergency response or evacuation plans identified in the EOP because it would not affect any service ratios or evacuation routes. Rather, the project would increase multi-modal connectivity, thereby adding a potential benefit for emergency evacuations. Thus, no impact would occur.

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

Less than Significant Impact. The proposed project is zoned as "Very High Fire Hazard Safety Zone" and "Non-Very High Fire Hazard Severity Zone" on the Very High Hazard Severity Zones

and "Very High" to "Moderate" on the Fire Hazard Severity Zones. The proposed project would result in the construction of a trail within the developed public ROW along local streets and roads and would result in similar uses to the existing conditions, as a transportation corridor. The County of Napa OAHMP has several mitigation measures in place to help reduce and address wildland fire risks. In addition, the Napa County General Plan Goal SAF-3 has incorporated many policies that protect homes and business from fire and wildfire and minimize potential losses of life and property. Through consistency with the County of Napa OAHMP and Napa County General Plan goals and policies, the proposed project would not exacerbate wildfire risk. Thus, impacts would be less than significant.

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

Less than Significant Impact. Most of the proposed project would be located on the east side SR 29, which is already connected to associated infrastructure. The proposed project would result in the construction of an additional transportation corridor and would have similar uses to the existing conditions. Underground utilities would remain in place. Utility poles in conflict with the proposed project would be moved in coordination with utility companies prior to construction of the project and would be separate from this proposed project. No additional or expanded use of water or wastewater facilities are proposed as part of the proposed project.

Although the proposed project is zoned as "Very High Fire Hazard Safety Zone" and "Non-Very High Fire Hazard Severity Zone" on the Very High Hazard Severity Zones and "Very High" to "Moderate" on the Fire Hazard Severity Zones, the project would not require the installation of associated infrastructure that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment. Thus, impacts would be less than significant.

d) *Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?*

Less than Significant Impact. As discussed above, some portions of the proposed project are zoned as "Very High Fire Hazard Safety Zone" and is located adjacent to Flood Zone "AE" of the FEMA Flood Zone Map. In a few locations of the proposed project, new storm drain infrastructure manholes and junction boxes would be installed to convey road and trail runoff to existing or extended culverts. With exception of the storm drain infrastructure mentioned above, stormwater runoff from the proposed project would be conveyed to adjacent permeable non-erodible areas.

Napa County has in operation a FEMA approved Flood Plain Management Ordinance, which manages development in the flood-prone areas to minimize the potential for flood-related losses, both public and private. In addition, Napa County General Plan Goal SAF-4, has policies that help protect residents and businesses from hazards caused by flooding. Through consistency

of the Flood Plain Management Ordinance, OAHMP, and Napa County General Plan goals and policies, the proposed project would not expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes. Thus, impacts would be less than significant.

4.21 Mandatory Findings of Significance

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

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

Less than Significant Impact. As described in this IS/MND, implementation of the proposed project would occur in the vicinity of special status plants and animals and known and previously undiscovered cultural resources. However, the project has been designed to avoid and minimize the potential for adverse impacts to these resources. The project would occur within a developed corridor for much of its length, and where it would occur in sensitive areas habitat impacts would be avoided by the project design (i.e., free span bridges) and are minor with respect to the available habitat in the region (0.23 acres of permanent impact to Valley oak woodland and riparian). Also, the trail would not require excavation into native subgrade in areas of known archeological and cultural resources. Thus through careful design, construction and operation the proposed project would not: 1) degrade the quality of the environment; 2) substantially reduce the habitat of a fish or wildlife species; 3) cause a fish or wildlife population to drop below self-sustaining levels; 4) threaten to eliminate a plant or animal community; 5) reduce the number or restrict the range of a rare or endangered plant or animal; or 6) eliminate important examples of the major periods of California history or prehistory.

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

Less than Significant Impact. The impacts of the proposed project would be individually limited and not cumulatively considerable. The proposed project would be a multi-use trail and associated intersection improvements. All environmental impacts that could occur as a result of the proposed project would be reduced to a less-than-significant level through implementation of the mitigation measures recommended in this IS/MND.

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

Less than Significant Impact. As identified throughout this IS/MND, the project would not have significant air quality, noise, traffic, or hazardous materials impacts that might directly or indirectly harm human beings. Therefore, the proposed project would not cause adverse effects on human beings.

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Appendix A

Visual Impact Assessment Memorandum

Kimley»Horn

MEMORANDUM

To:	Rebecca Schenck Napa Valley Transportation Authority
From:	Marcy Kamerath, Randall Kopff Kimley-Horn and Associates, Inc.
Date:	April 2020
Subject:	Napa Valley Vine Trail – St. Helena to Calistoga Visual Impact Assessment

The purpose of this memorandum is to provide a visual impact assessment for the Napa Valley Vine Trail – St. Helena to Calistoga (proposed project) to support review under the National Environmental Policy Act (NEPA). This Visual Impacts Assessment (VIA) was documented in this technical memorandum based on the result of the Questionnaire to Determine Visual Impact Assessment Level; see Attachment A, reviewed by Caltrans.

Project Description & Affected Environment

The proposed project would construct two segments of Class 1 bicycle and pedestrian trail from St. Helena to Calistoga in Napa County. The first segment would be approximately 6.8-miles from the City of St Helena at the intersection of Pratt Avenue and State Route (SR) 29 to the City of Calistoga at the intersection of an existing segment of the Vine Trail at Dunaweal Lane (Postmile NAP-29.25 to 35.3). In this segment, approximately 3.1 miles of the trail would be constructed in Caltrans right of way (ROW) and approximately 3.7 miles would be in public ROW and on easements to be secured with private property owners, and state land owners.

The second segment, the Fair Way Path Extension, would be a 0.6-mile Class I trail within City of Calistoga ROW. The trail would extend north from an existing segment of the Napa Valley Vine Trail, from Washington Street in Calistoga (38°34'35.1"N 122°34'15.9"W) to the intersection of Fair Way and Lincoln Avenue in Calistoga. A CEQA document for the Fair Way Path Extension was completed and approved by the City of Calistoga in 2014[1] but was not analyzed under the National Environmental Policy Act (NEPA). Given the proposed project is subject to federal funds, the Fair Way Path Extension is being analyzed as part of this project under NEPA.

[1] Calistoga Planning Commission, 2014. Initial Study and Mitigated Negative Declaration. Fair Way Extension Path Project. PC Resolution 2014-29

The project site area includes a mix of scenic, agricultural and developed areas. The scenic areas include higher concentrations of vegetation [e.g., Bothe-Napa Valley State Park (BNVSP)] and agricultural areas that consist mostly of vineyards. The developed areas include a mix of residential, recreational, retail, commercial, civic, and agriculture uses with roads and surface parking lots.

The proposed path would be an asphalt trail 10-feet wide with 2-foot shoulders for a total width of 14 feet in most locations, narrowing in some constrained locations or to avoid impacts to sensitive resources and trees. The trail would be designed consistent with bicycle facility standards in the Caltrans Highway Design Manual (HDM) and recommendations in the California Manual on Uniform Traffic Control. While the Federal Highway Administration (FHWA) prefers 12 to 14-feet widths, the recommended width for two-directional trails is 10-feet. This width reduces conflicts between various user groups and helps to create a safer experience for multiple ages and abilities. The trail would cross multiple intersections and private driveways.

Pedestrian hybrid beacon signal (PHB) crossings would be installed at two locations where the trail would cross SR 29 in order to route the trail through BNVSP. The first proposed location for the PHB would occur near postmile NAP-29 32.6 near the Cal Fire and Napa County Fire Department. The second location would occur within approximately 400 feet of the entrance road to Bothe-Napa Valley State Park (approximately PM NAP-29 33.5 or 33.4). The PHB crossings would consist of an approximately 25-foot high new vertical mast arm pole with horizontal signal mast arms spanning across SR 29 lanes at a height of approximately 15 feet. The horizontal mast arms would be installed on the vertical mast arms. The crossing also includes PHB signals affixed to the end of the arm and one horizontal luminaire mast arm located at the top of the vertical mast arm (a height of 25 feet). Signage, striping, and barriers along the shoulder would be installed at the approach to PHB crossings, bike path crossings with roads, and as required along the alignment in accordance with local and State standards.

Retaining walls are proposed at locations throughout the St. Helena to Calistoga segment. Retaining walls would be installed where the trail alignment is constrained either by existing physical or topographic features, property lines, or easement boundaries. Retaining wall types would include mechanically stabilized earth, concrete barrier, block walls, and Caltrans Type 1 standard walls. A majority of retaining walls would not exceed a height of 3.5 feet, though in a few locations the elevation change between the proposed trail and adjacent area would require up to 8- foot high retaining walls to conform the trail to finished grades. The walls have the potential to be viewed

by a sensitive viewer group, residents driving or walking in the area. However, the retaining walls would be designed to closely resemble existing visual elements of existing walls in the area. The tallest (up to 8-foot walls) walls would be fill walls, meaning the top of the wall would meet or be near finished grade on one side of the wall and so conforms to existing topography, resulting in minimal obstruction of visual corridors. The following includes the location of the walls proposed to be constructed as a result of the project and how they will blend with the existing topography and built-up environment:

- Twomey Cellars - There is a small section of wall proposed to be constructed adjacent to Twomey Cellars, where the trail comes into the property at the northeast corner. This would be a fill wall as described above. There is a slope down from the road to the vineyard access road. The wall would be constructed from the higher elevation down to the lower elevation in order to minimize impacts to vineyards. At the south end there is a small bridge over a ditch and walls would ramp over the ditch.
- Sterling Vineyards – Similar to the walls at Twomey, a fill wall would ramp down from the road, then extend up to the trail area, and then down again, keeping the vertical scale of the wall minimal.
- Trinchero - There is a steep slope from the highway to the property on the east side where the trail would be located. The tallest wall in this location would be a fill wall at an elevation lower than the SR 29 so it would not obstruct views from SR 29.

Free span, pre-fabricated bridges are proposed in three locations: one to span a wetland feature on private property north of Hirsch Creek; the second to span an open channel on Twomey winery property, located south of Dunaweal Lane; and the third to span Napa River adjacent to the existing vehicle bridge over Napa River on Dunaweal Lane.

The proposed project would include new culverts or culvert extensions which would occur at or below the existing road and proposed trail surface elevation. The type, size and material of culvert extensions would match existing conditions and hydraulic requirements. Existing or new box culverts would be installed in up to three locations to provide trail crossings over an ephemeral drainage, the existing culvert crossing of Hirsch Creek at SR 29, and the existing culvert crossing of Nash Creek at SR 29. New or replacement headwalls and wingwalls would be installed for new culverts or culvert extensions, similar to other headwalls within culverts in other roadside ditches in the area. Storm drain infrastructure, including junction boxes and manholes, would be installed

as part of some culvert extension in some locations.

Vegetation and tree removal would be required to construct the trail and would include native trees, landscape trees, and non-native trees. Approximately 300 trees occur directly adjacent to the proposed project. It is estimated that approximately 47 trees would be removed in the project area. Of these, 37 have been identified and the remaining species have not been confirmed. Of the 37 trees, 10 are native trees that are coast live oaks with a trunk diameter from 6 - 21", measured as diameter at breast height (DBH). Five of 69 valley oaks along the proposed project would be removed, ranging in size from 5-16" DBH. Three blue oak trees would be removed that are 18, 19, and 45" DBH. Large clusters or stands of trees would not be removed from a single location. Rather, tree removal would occur at scattered locations across the approximately 6.4 mile length of the St. Helena to Calistoga segment (no tree removal is anticipated in the Fair Way Path Extension).

Implementation of MM BIO-1 will require protected trees to be replanted within the project area at a ratio consistent with local tree protection requirements, Caltrans, and CDFW replanting requirements for riparian trees removed within CDFW's jurisdiction. Trees removed from Caltrans ROW shall be approved by the Office of Landscape Architecture prior to construction and will be replanted at a minimum ratio of 1:1, unless applicable State, County or local policies require a higher ratio. Tree replanting locations will occur along the Fair Way Path Extension and within the St. Helena to Calistoga project area where possible. Replanting in the St. Helena to Calistoga segment is constrained by existing trees, SR 29, utilities, and private property. For remaining replacement plantings which cannot occur directly in the project area, NVTA will work with Napa County Open Space District and Caltrans to identify replanting locations as close to the project area as is feasible.

A portion of landscaped areas, including walls, fencing and signage on private property would be removed to accommodate the trail. Landscaping and site features would be replaced in-like kind, as agreed to and in accordance with easements to be granted by private property owners. Removal and replacement of these features would maintain the visual appearance of the area.

Construction staging and access would occur along and within the proposed alignment. Proposed staging and laydown areas are also designated in previously disturbed areas near the proposed alignment. Exhibit 1 represents the areas along the project where the relatively substantive visual changes would occur (e.g. location of new bridge crossing and PHB locations) as well as typical views along the corridor.

Visual Preferences and Viewer Groups

The following analysis discusses the visual impacts to specific viewer groups within the project site area. The 2016 Federal Highway Administration (FHWA) Visual Impact Assessment Methodology recognizes viewer activity and awareness, local values, and cultural significance as key factors in predicting viewer sensitivity. This methodology was considered as part of the visual impact assessment. Visual impacts occur when sensitive viewer groups (e.g., residential and/or recreational neighbors) experience a significant decrease in visual quality; which would occur through a collectively significant change to natural harmony, cultural order, and project coherence, as described below.

Viewer Preferences

Natural Harmony: Viewing the visual resources of the natural environment creates a sense of natural harmony in people. People interpret the visual resources of the natural environment as being harmonious or inharmonious. The perception of natural harmony can be determined by viewing the character of the visual resources of the natural environment through the lens of viewer preferences. Viewers have a concept of what constitutes natural harmony. The greater the degree to which the natural visual resources of the Area of Visual Effect (or a particular Landscape Unit within the Area of Visual Effect) (AVE) meet the viewer's preferred concept of natural harmony, the higher value the viewer places on those visual resources.

Cultural Order: Viewing the visual resources of the cultural environment creates in people a sense of cultural order. People interpret the visual resources of the cultural environment as being orderly or disorderly. Like the evaluation of natural harmony, the perception of cultural order can be determined by viewing the character of the visual resources of the cultural environment through the lens of viewer preferences. Viewers have a concept of what constitutes cultural order. The greater the degree to which the visual resources of the Area of Visual Effect (or a particular Landscape Unit) meet the viewer's preferred concept of cultural order, the higher value the viewer places on those visual resources.

Project Coherence: Viewing the visual resources of the project environment creates in people a sense of project coherence. People interpret the visual resources of the project environment as being either coherent or incoherent. Like the evaluation of natural harmony and cultural order, the perception of project coherence can be determined by viewing the character of the visual resources of the project environment through the lens of the viewer preferences. Viewers have a concept of what constitutes

project cohesion. The greater the degree to which the visual resources of the project environment meet the viewer's preferred concept of project coherence, the higher value the viewer places on those visual resources.

Viewer Groups (Neighbors)

The term neighbor does not always mean that a person is adjacent to the roadway. Rather, it refers to people who are not traveling on the roadway but may see it from their geographic location in the project site area. Neighbors who are traveling (but not on the highway under study) are also considered as neighbors, even though they may be pedestrians, bicyclists, or motorists on other routes. The following descriptions identify the members in each viewer group present in the project site area and the standard visual preferences of that viewer group according to FHWA guidance for visual impact assessment.

Residential Neighbors (highly sensitive): Residential neighbors live within viewing distance of the project site. This includes residents of single-family homes, condominium or apartment dwellers, and others who occupy permanent shelter. They can be owners or renters and tend to be permanent rather than transitory. Their visual preferences tend toward a desire to maintain the existing landscape as it is—they settled where they are for a reason, including how their neighborhood looks. They are not very interested in change, even change that purports to improve the quality of their lives, unless they participated in defining the changes. Depending on their location, residential neighbors are often interested in cultural order and natural harmony, with less emphasis on project coherence unless it impacts their ability to appreciate the other two aspects of visual quality.

Recreational Neighbors (highly sensitive): Recreational neighbors provide or participate in recreation within the project site area. Recreation includes organized sporting events, indoor and outdoor leisure activities, and cultural events. Recreational neighbors include those that live in the project area and visitors to the project site. The visual preferences of recreational neighbors tend to be focused on and associated with their recreational activity. As a whole, neighbors tend to prefer the status quo though may entertain improvements to visual resources that enhance their recreational experience. Depending on the type of recreation, recreational neighbors are very interested in cultural order and natural harmony, with some emphasis on project coherence as it impacts their experience traveling to their recreational activity.

Retail Neighbors (moderately sensitive): Retail neighbors sell goods and services to the public, and the public who buy the goods and services. Retail neighbors are merchants

and shoppers. Merchants tend to be more permanent than shoppers, although shoppers may frequent the same location. Merchants prefer heightened visibility, free of competing visual intrusions. Shoppers prefer visual clarity to guide them to their destination; once at their destination, they prefer to concentrate on the shopping experience with few distractions. Retail neighbors are dependent on good project coherence and although an interest in cultural order would typically dominate, some merchants use natural harmony as a method for attracting shoppers. It is important to note, that while the FHWA typically classifies retail neighbors as 'moderately sensitive', those within the Napa Valley area are anticipated to have a higher level of concern for visual impacts based on the expectations of their customers given the surrounding scenic resources and expectations. This has been evaluated and considered as a part of the recommendations outlined in this analysis.

Commercial Neighbors (moderately sensitive): Commercial neighbors occupy commercial property within the project site area. They include people who occupy or use office buildings, warehouses, and other commercial structures. Workers are often permanent, while visitors and customers are transitory. The visual preferences of commercial interests vary depending on the business. Those with many visitors and customers mimic the visual preferences of retail neighbors. Others are more inclined to align themselves with the visual preferences of institutional or industrial neighbors. Commercial neighbors are dependent on good cultural order and project coherence. Some commercial developments use natural harmony as a method for attracting and keeping tenants.

Civic Neighbors (moderately sensitive): Civic neighbors are located within the AVE and provide or receive services from a government organization, such as a military reservation or a Federal, State, or local agency. This group comprises workers, who are often permanent, and visitors who are more transitory. Depending on the mission of the particular government organization, views from the road may or may not be desired. Those organizations that allow views from adjacent highways sometimes prefer to maintain the status quo unless the organization believes that visibility is inadequate. If an organization does believe visibility is inadequate, visual preferences are probably similar to institutional or commercial neighbors. If the government organization has substantial interaction with the public, its visual preferences may align more with those of retail neighbors. Civic neighbors are very interested in cultural order and project coherence. If located in a decidedly natural environment, they will also be concerned with natural harmony.

Agricultural Neighbors (moderately sensitive): Agricultural neighbors are farmers of crops or herd animals. They often work in fields and pastures. Some are permanent; many are migratory but may return to the same area again and again over the years. For this particular project, viticulture is the predominant agricultural use and borders a majority of the project site. Agricultural neighbors, regard cultural order and natural harmony as critical components of the landscape. They are less interested in project coherence.

Impact Analysis

Scenic Vistas

In some locations, the Vine Trail would be located directly adjacent to highly sensitive residential, retail and recreational neighbors, as these viewer groups are found in various locations along the trail alignment. Other viewer groups, such as retail tourists will experience the entire alignment. Construction activities in the viewshed of residential and retail viewers would create a temporary visual nuisance at locations where highly visually responsive viewers are present.

Vine Trail construction may temporarily alter views on scenic vistas but would not substantially or permanently obstruct views of scenic vistas. Construction activities that may temporarily alter views would consist of operation of construction equipment that could temporarily interrupt views of scenic vistas. Obstruction to views of scenic vistas are expected to occur during construction but shall cease upon completion of the proposed project.

The most substantial vertical features associated with the Vine Trail would include two PHB crossings and three free span bridges; refer to Exhibit 1. The proposed hybrid pedestrian beacon crossings would be installed to provide safe bicycle and pedestrian crossing of SR 29 and would be visible within the immediate SR 29 corridor but would not obstruct views from sensitive viewpoints. The viewer groups present at the southern PHB crossing include retail neighbors (tourists) and employees of Cal Fire (moderately sensitive). The northern crossing would be located within approximately 400 feet of the vehicular entrance to BNVSP. The viewer groups present at the northern crossing will be motorists and retail tourists (moderate sensitivity), whose visual impact will be minimal given the existing adjacent developed areas and vehicular driveways/ intersections, except for instances when the crossing has been activated by a pedestrian. In this case the visual impact will be briefly moderate and more impactful.

Recreational neighbors within BNVSP would have limited to no views of the PHB crossings from within the park, day or night, due to the location of the crossings with respect to park facilities and the presence of dense tree cover present in BNVSP. The southern crossing would be located south of the BNVSP boundary. In this location the nearest recreational uses within the Park include a cemetery that is surrounded by the History Trail and does not include uses that would expose recreational users to nighttime or prolonged views of the crossing. In addition, if there are views of the southern crossing from the History Trail and cemetery, the views would be limited due to the dense tree cover. Finally, the southern crossing would not be in high contrast with the surrounding uses because it would be located directly adjacent to developed uses and vehicular driveways/ intersections associated with the Cal Fire Station, Napa County Fire Department and SR29. The northern crossing location is proposed near the park entrance road. This area consists of steeper slopes on the west side of the park entry road and so recreational use in this park is limited to ingress and egress to the park. Campgrounds or other recreational day uses are not present near the park entry road at the location of the proposed crossing. Thus, recreational users would not have prolonged exposure to the northern PHB crossing.

The bridge structures would be free span pre-fabricated bridges and would be constructed adjacent to SR 29 or on private property and would be of similar or lessor height to existing bridges within the SR 29 corridor. The bridges would be designed to be harmonious with existing bridges in the area, consisting of earth tones and natural materials and other appropriate finishes appropriate with the surrounding environment. Therefore, due to the harmonious design of the bridges, no substantial adverse impacts would occur to scenic vistas and aesthetic/visual quality due to the free span bridges.

Additional project elements include culvert extensions, retaining walls and bridges. The culverts' size and material would match the existing conditions and would be designed to conform to the existing grade. Retaining walls would be designed to have a consistent visual appearance with other retaining walls throughout the corridor. A majority of the retaining walls would not exceed a height of 3.5 feet, with a few locations requiring an up to 8-foot retaining wall. Where retaining walls are proposed, they would be used to conform the trail to existing grade and are not anticipated to obstruct views from sensitive viewpoints.

Scenic Highways

There are no officially-designated State scenic highways within or near the project site. The project is located on or adjacent to the SR 29 corridor. SR 29 is eligible for state

scenic highway designation but has not received official designation as a Scenic Highway.[2]

Still, the project would not substantially degrade or obstruct scenic views. The grading plan and trail location has been designed to minimize excavation and cuts so the trail would conform to and blend with existing topography. Retaining walls would be designed and placed in locations so as not to obstruct views along the SR 29 corridor. Retaining walls would also consist of natural finishes consistent with other walls and the natural aesthetic in the area. The presence of PHB crossings would occur in two locations though would not substantially obstruct or narrow views of the SR 29 corridor. There is a lack of vertical development associated with the project, and the trail location and design factored in ways to minimize impacts to the scenic character of the area, thus the proposed project is not anticipated to substantially degrade scenic resources along SR 29. In addition, since SR 29 is not an officially designated scenic highway, the proposed project would not affect scenic resources along an officially designated scenic highway.

Visual Quality

Construction - During the construction period, construction equipment storage, earthmoving, would temporarily alter the existing visual quality of the affected area for adjacent sensitive viewers. Construction could cause dust and material stockpiles that could create an untidy appearance, collectively degrading the natural harmony, cultural order, and project coherence of the site and surroundings. Where these temporary construction activities occur in residential and/or recreational areas where highly visually responsive viewer groups are present, the activities would temporarily degrade the existing visual quality.

These construction impacts should be reduced by storing unsightly material and equipment in staging areas beyond direct view of residents and recreationists and in already disturbed shoulder areas, to the greatest extent practicable. Staging areas will not be located in areas where tree or vegetation removal would be required, and staging areas will be delineated on maps, or with Environmentally Sensitive Area (ESA) fencing, so equipment staging would not occur within the dripline of native or protected trees or shrubs. Areas of temporary disturbance for the trail would be re-vegetated or stabilized with erosion control measures implemented in accordance with National Pollutant Discharge Elimination System (NPDES) and environmental permit

[2] Caltrans. 2017. Designated and Eligible State Scenic Highways. Available at https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways. Accessed on November 30, 2019.

requirements. Following these requirements would reduce temporary visual impacts to viewer groups. Vegetation clearing would occur at limited areas to construct the trail and proposed improvements. This would primarily consist of non-native grasslands in disturbed shoulder areas, landscape plantings, and some tree removal.

Areas of temporary disturbance would be revegetated in accordance with private property easement conditions and Caltrans requirements. Where applicable, a seed mix appropriate for the climate and location would be used to revegetate disturbed areas. Trees would be replanted within the project area at a ratio consistent with applicable tree protection requirements, as discussed previously, and in consultation with Caltrans Environmental Planning and the Office of Landscape Architecture. Plant establishment periods would be required, per Caltrans policy. Replacement plantings, revegetation, and adherence to MM BIO-1 and Caltrans plant establishment periods would reduce the visual impacts of the project. If planting and maintenance (e.g., irrigation) costs exceed $300K, Caltrans policy requires 3 years of a plant establishment period. Similarly, a temporary irrigation system would likely require 3 years of a plant establishment period.

Operation - When considering if an impact is significant in a rural environment, the visibility of the Vine Trail alignment depends on the visibility of the project components considering the area's landform (topography), land cover (vegetation and structures), and atmospheric conditions (dust, fog, precipitation). Most of the Vine Trail alignment would be at grade with few components extending above grade (hybrid beacon crossings, bridges, some retaining walls, and fencing). The Vine Trail alignment would not significantly contrast with the existing environmental setting because most of the alignment would be constructed directly adjacent to and parallel to SR 29. A small portion of the trail would traverse through a generally undeveloped area in Bothe State Park. However, in this location, a majority of the Vine Trail would be constructed over existing gravel and paved roads, and in a vegetated area between the SR29 shoulder and existing access road to the park. The trail has been sited to minimize tree removal through Bothe State park. Any anticipated tree and vegetation removals would be subject to replanting requirements, as previously discussed.

The proposed project would slightly reduce natural harmony through the implementation of the trail through once vegetated areas; would increase cultural order by adding a well-designed and maintained trail to the existing environmental setting; and would result in no change in project coherence because the trail alignment would be located adjacent and parallel to an existing highway (SR 29). Therefore, through carefully selected staging areas, replacement plantings and site features, and minimal

vertical structures, the proposed project would not significantly impact visual quality to sensitive viewer groups along the trail alignment and impacts would be less than significant.

Lighting

Project construction would occur during daylight hours and thus no impacts from nighttime construction lighting would occur. No permanent lighting sources would be constructed as part of the proposed project.

Conclusion

This review indicates the project would not adversely affect visual resources as defined by NEPA and FHWA guidance for visual assessment. When evaluating aesthetic impacts several factors must be considered. The study area for aesthetic impacts is the viewshed that includes the project site and surrounding areas. The context in which a project is being viewed will also influence the significance of the aesthetic impact. The contrast a project has with its surrounding environment is determined through assessment of the existing conditions.

The proposed project includes a trail that would be constructed adjacent to an existing highway with new vertical structures limited to PHBs bridges, retaining walls, bridges, and signage adjacent to the highway. The vertical elements of the project that have the potential to stand out from the existing conditions include two PHB crossings and three bridges. The PHB crossings are located in the SR29 corridor and located adjacent to developed areas and vehicular driveways/ intersections where viewer sensitivity is moderate, or where recreational users would not have prolonged views from sensitive viewpoints.

The three bridges would be designed to have a consistent visual appearance as other similar features in the area. All three bridges would be located in areas that would not substantially obstruct the viewshed. Therefore, these elements would not cause a substantial adverse impact to scenic vistas and aesthetic/visual quality.

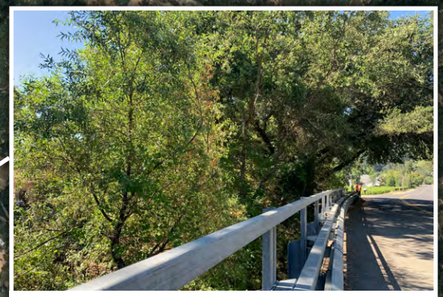
Culverts, retaining walls, and signage would be installed in a manner that is consistent with the surrounding environment. These features would not be constructed in a manner that would obstruct the visual corridor. Therefore, these elements would not cause a substantial adverse impact to scenic vistas and aesthetic/visual quality.

Implementation of MM BIO-1 will require protected trees to be replanted within the

project area at a ratio consistent with local tree protection requirements, Caltrans, and CDFW replanting requirements for riparian trees removed within CDFW's jurisdiction. With the maturation of replacement trees, impacts on visual character from the loss of trees would be reduced. Thus, through location of the proposed trail and features, design of the project features to be consistent with the surrounding environment, and implementation of MM BIO-1, the project would not cause a substantial adverse impact to scenic vistas and aesthetic/visual quality.

> **MM BIO-1**: Vegetation and tree removal would be required to construct the trail. Trees would be replanted within the project area at a ratio consistent with local tree protection requirements for trees removed within local agency jurisdiction, Caltrans requirements for trees removed within Caltrans ROW, and CDFW replanting requirements for trees removed within the riparian zone in CDFW's jurisdiction.

Fairway

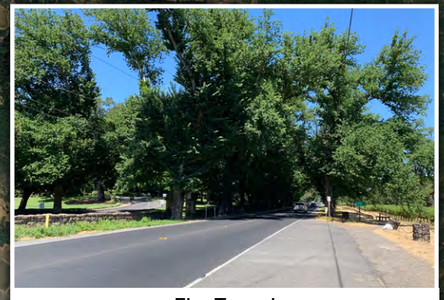


Napa River Crossing

South Hawk Crossing

North HAWK Crossing

Bothe State Park



Elm Tunnel

Lincoln Ave
Washington St
Dunaweal Ln
Bale Ln
Big Tree Rd
Deer Park Rd
Main St
Pratt Ave
29

Project Area

EXHIBIT 1: Project Site Photos

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

0 250 5000 Feet

Kimley»Horn

Questionnaire to Determine Visual Impact Assessment (VIA) Level

Use the following questions and subsequent score as a guide to help determine the appropriate level of VIA documentation. This questionnaire assists the VIA preparer (i.e. Landscape Architect) in estimating the probable visual impacts of a proposed project on the environment and in understanding the degree and breadth of the possible visual issues. The goal is to develop a suitable document strategy that is thorough, concise and defensible.

Enter the project name and consider each of the ten questions below. Select the response that most closely applies to the proposed project and corresponding number on the right side of the table. Points are automatically computed at the bottom of the table and the total score should be matched to one of the five groups of scores at the end of the questionnaire that include recommended levels of VIA study and associated annotated outlines (i.e., minor, moderate, advanced/complex).

This scoring system should be used as a preliminary guide and should not be used as a substitute for objective analysis on the part of the preparer. Although the total score may recommend a certain level of VIA document, circumstances associated with any one of the ten question-areas may indicate the need to elevate the VIA to a greater level of detail. For projects done by others on the State Highway System, the District Landscape Architect should be consulted when scoping the VIA level and provide concurrence on the level of analysis used.

The Standard Environmental Reference, Environmental Handbook, Volume I: Chapter 27-Visual & Aesthetics Review lists preparer qualifications for conducting the visual impact assessment process. Landscape Architects receive formal training in the area of visual resource management and can appropriately determine which VIA level is appropriate.

Preparer Qualifications:

> "Scenic Resource Evaluations and VIA's are performed under the direction of licensed Landscape Architects. Landscape Architects receive formal training in the area of visual resource management with a curriculum that emphasizes environmental design, human factors, and context sensitive solutions. When recommending specific visual mitigation measures, Landscape Architects can appropriately weigh the benefits of these different measures and consider construction feasibility and maintainability."

Calculate VIA Level Score

Project Information

Project Name

Vine Trail - St. Helena to Calistoga

Project Identification #

EA2Q260

Preparer Name

Kimley-Horn

Caltrans District Landscape Architect (DLA)

For projects on State Highway System Only, Name of Caltrans District Landscape Architect (DLA) providing VIA Questionnaire Score Concurrence - if different than above.

TBD

Change to Visual Environment

1. **Will the project result in a noticeable change in the physical characteristics of the existing environment?**

   Consider all project components and construction impacts - both permanent and temporary, including landform changes, structures, noise barriers, vegetation removal, railing, signage, and contractor activities.

   Moderate Level of Change (2 points)

2. **Will the project complement or contrast with the visual character desired by the community?**

   Evaluate the scale and extent of the project features compared to the surrounding scale of the community. Is the project likely to give an urban appearance to an existing rural or suburban community? Do you anticipate that the change will be viewed by the public as positive or negative? Research planning documents, or talk with local planners and community representatives to understand the type of visual environment local residents envision for their community.

   High Compatibility (1 point)

3. **What level of local concern is there for the types of project features (e.g., bridge structures, large excavations, sound barriers, or median planting removal) and construction impacts that are proposed?**

   Certain project improvements can be of special interest to local citizens, causing a heightened level of public concern, and requiring a more focused visual analysis.

   Low Concern (1 point)

4. **Will the project require redesign or realignment to minimize adverse change or will mitigation, such as landscape or architectural treatment, likely be necessary?**

   Consider the type of changes caused by the project, i.e., can undesirable views be screened or will desirable views be permanently obscured so a redesign should be considered?

   Mitigation Likely (1 point)

5. **Will this project, when seen collectively with other projects, result in an aggregate adverse change (cumulative impacts) in overall visual quality or character?**

   Identify any projects (both Caltrans and local) in the area that have been constructed in recent years and those currently planned for future construction. The window of time and the extent of area applicable to possible cumulative impacts should be based on a reasonable anticipation of the viewing public's perception.

   Cumulative Impacts Unlikely to Occur (1 point)

Viewer Sensitivity

1. **What is the potential that the project proposal will be controversial within the community, or opposed by any organized group?**

   This can be researched initially by talking with Caltrans and local agency management and staff familiar with the affected community's sentiments as evidenced by past projects and/or current information.

Low Potential (1 point)

2. **How sensitive are potential viewer-groups likely to be regarding visible changes proposed by the project?**

Consider among other factors the number of viewers within the group, probable viewer expectations, activities, viewing duration, and orientation. The expected viewer sensitivity level may be scoped by applying professional judgment, and by soliciting information from other Caltrans staff, local agencies and community representatives familiar with the affected community's sentiments and demonstrated concerns.

Moderate Sensitivity (2 points)

3. **To what degree does the project's aesthetic approach appear to be consistent with applicable laws, ordinances, regulations, policies or standards?**

Although the State is not always required to comply with local planning ordinances, these documents are critical in understanding the importance that communities place on aesthetic issues. The Caltrans Environmental Planning branch may have copies of the planning documents that pertain to the project. If not, this information can be obtained by contacting the local planning department. Also, many local and state planning documents can be found online at the California Land Use Planning Network.

High Compatibility (1 point)

4. **Are permits going to be required by outside regulatory agencies (i.e., Federal, State, or local)?**

Permit requirements can have an unintended consequence on the visual environment. Anticipated permits, as well as specific permit requirements - which are defined by the permitted, may be determined by talking with the project Environmental Planner and Project Engineer. Note: coordinate with the Caltrans representative responsible for obtaining the permit prior to communicating directly with any permitting agency.

Yes (3 points)

5. **Will the project sponsor or public benefit from a more detailed visual analysis in order to help reach consensus on a course of action to address potential visual impacts?**

Consider the proposed project features, possible visual impacts, and probable mitigation recommendations.

No (1 point)

Calculate Total

It is recommended that you print a copy of these calculations for the project file.

Project Score: 14

Select An Outline Based Upon Project Score

The total score will indicate the recommended VIA level for the project. In addition to considering circumstances relating to any one of the ten questions-areas that would justify elevating the VIA level, also consider any other project factors that would have an effect on level selection.

Score 6-9

No noticeable visual changes to the environment are proposed and no further analysis is required. Print out a copy of this completed questionnaire for your project file or Preliminary Environmental Study (PES).

Score 10-14

Negligible visual changes to the environment are proposed. A brief Memorandum(see sample)addressing visual issues providing a rationale why a technical study is not required.

Score 15-19

Noticeable visual changes to the environment are proposed. An abbreviated VIA is appropriate in this case. The assessment would briefly describe project features, impacts and any avoidance and minimization measures. Visual simulations would be optional. Go to the Directions for using and accessing the Minor VIA Annotated Outline.

Score 20-24

Noticeable visual changes to the environment are proposed. A fully developed VIA is appropriate. This technical study will likely receive public review.Go to the Directions for using and accessing the Moderate VIA Annotated Outline.

Score 25-30

Noticeable visual changes to the environment are proposed. A fully developed VIA is appropriate that includes photo simulations. It is appropriate to alert the Project Development Team to the potential for highly adverse impacts and to consider project alternatives to avoid those impacts.Go to the Directions for using and accessing the Advanced/Complex VIA Annotated Outline.

Statewide Campaigns

- ADA Access
- Adopt-A-Highway
- Amber Alert
- Arrive Alive
- Be Work Zone Alert
- CAL FIRE
- California Census 2020
- California Climate Investments
- California Transportation Plan 2050
- Energy Upgrade
- Flex Alert
- Keep Your Home
- Move Over Law
- Response.CA.gov: Power Outage and Fire Recovery Resources
- REAL ID
- Save Our Water
- Unclaimed Property

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Appendix B

Air Quality Data

Vine Trail (Construction Only) - Napa County, Summer

Vine Trail (Construction Only)

Napa County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	15.00	Acre	15.00	653,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.6	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction Only

Land Use -

Construction Phase - Anticipated Construction schedule

Off-road Equipment - Anticipated construction equipment

Off-road Equipment - Anticipated equipment

Off-road Equipment -

Grading - Assumes soil export and vegetation/trees

Architectural Coating - Paint for striping and signage

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - Basic Construction BAAQMD

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	80,000.00
tblAreaCoating	Area_EF_Parking	150	0
tblAreaCoating	Area_Parking	39204	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	30.00	130.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	PhaseEndDate	4/9/2021	8/27/2021
tblConstructionPhase	PhaseEndDate	5/7/2021	12/31/2021
tblConstructionPhase	PhaseEndDate	6/4/2021	12/31/2021
tblConstructionPhase	PhaseStartDate	4/10/2021	8/28/2021
tblConstructionPhase	PhaseStartDate	5/8/2021	10/1/2021
tblFleetMix	HHD	0.04	0.00
tblFleetMix	LDA	0.59	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0000e-003	0.00
tblFleetMix	MCY	5.4970e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	9.8800e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	3.8800e-003	0.00
tblFleetMix	SBUS	1.0270e-003	0.00
tblFleetMix	UBUS	1.8010e-003	0.00

tblGrading	MaterialExported	0.00	6,000.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	WorkerTripNumber	25.00	35.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	15.0959	43.4536	29.1706	0.0616	12.4422	1.9781	14.4203	6.7258	1.8201	8.5458	0.0000	6,022.2960	6,022.2960	1.7343	0.0000	6,065.6526
Maximum	**15.0959**	**43.4536**	**29.1706**	**0.0616**	**12.4422**	**1.9781**	**14.4203**	**6.7258**	**1.8201**	**8.5458**	**0.0000**	**6,022.2960**	**6,022.2960**	**1.7343**	**0.0000**	**6,065.6526**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	15.0959	43.4536	29.1706	0.0616	5.7928	1.9781	7.7710	3.0789	1.8201	4.8990	0.0000	6,022.2960	6,022.2960	1.7343	0.0000	6,065.6526
Maximum	**15.0959**	**43.4536**	**29.1706**	**0.0616**	**5.7928**	**1.9781**	**7.7710**	**3.0789**	**1.8201**	**4.8990**	**0.0000**	**6,022.2960**	**6,022.2960**	**1.7343**	**0.0000**	**6,065.6526**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.44**	**0.00**	**46.11**	**54.22**	**0.00**	**42.67**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2316	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2316**	**1.0000e-005**	**1.5300e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**		**3.2800e-003**	**3.2800e-003**	**1.0000e-005**	**0.0000**	**3.5000e-003**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2316	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2316**	**1.0000e-005**	**1.5300e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**		**3.2800e-003**	**3.2800e-003**	**1.0000e-005**	**0.0000**	**3.5000e-003**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2021	8/27/2021	5	130	
2	Paving	Paving	8/28/2021	12/31/2021	5	90	
3	Architectural Coating	Architectural Coating	10/1/2021	12/31/2021	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 15

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 80,000; Striped Parking Area: 39,204

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Grading	Excavators	3	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Pavers	2	8.00	130	0.42
Architectural Coating	Air Compressors	2	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	10	35.00	0.00	750.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	55.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.0541	0.0000	12.0541	6.6220	0.0000	6.6220			0.0000			0.0000

Off-Road	4.0281	41.8177	27.8691	0.0544		1.9712	1.9712		1.8135	1.8135		5,268.4330	5,268.4330	1.7039		5,311.0309
Total	**4.0281**	**41.8177**	**27.8691**	**0.0544**	**12.0541**	**1.9712**	**14.0253**	**6.6220**	**1.8135**	**8.4355**		**5,268.4330**	**5,268.4330**	**1.7039**		**5,311.0309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0447	1.5591	0.3141	4.5100e-003	0.1006	5.0400e-003	0.1056	0.0275	4.8200e-003	0.0324		482.0029	482.0029	0.0233		482.5858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1315	0.0768	0.9874	2.7300e-003	0.2875	1.8600e-003	0.2894	0.0763	1.7200e-003	0.0780		271.8601	271.8601	7.0300e-003		272.0359
Total	**0.1762**	**1.6359**	**1.3016**	**7.2400e-003**	**0.3881**	**6.9000e-003**	**0.3950**	**0.1038**	**6.5400e-003**	**0.1103**		**753.8631**	**753.8631**	**0.0303**		**754.6217**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4243	0.0000	5.4243	2.9799	0.0000	2.9799			0.0000			0.0000
Off-Road	4.0281	41.8177	27.8691	0.0544		1.9712	1.9712		1.8135	1.8135	0.0000	5,268.4330	5,268.4330	1.7039		5,311.0309
Total	**4.0281**	**41.8177**	**27.8691**	**0.0544**	**5.4243**	**1.9712**	**7.3956**	**2.9799**	**1.8135**	**4.7934**	**0.0000**	**5,268.4330**	**5,268.4330**	**1.7039**		**5,311.0309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0447	1.5591	0.3141	4.5100e-003	0.0960	5.0400e-003	0.1010	0.0264	4.8200e-003	0.0312		482.0029	482.0029	0.0233		482.5858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1315	0.0768	0.9874	2.7300e-003	0.2725	1.8600e-003	0.2744	0.0726	1.7200e-003	0.0743		271.8601	271.8601	7.0300e-003		272.0359
Total	**0.1762**	**1.6359**	**1.3016**	**7.2400e-003**	**0.3685**	**6.9000e-003**	**0.3754**	**0.0990**	**6.5400e-003**	**0.1055**		**753.8631**	**753.8631**	**0.0303**		**754.6217**

3.3 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4367					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6922**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0329	0.4232	1.1700e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		116.5115	116.5115	3.0100e-003		116.5868
Total	**0.0563**	**0.0329**	**0.4232**	**1.1700e-003**	**0.1232**	**8.0000e-004**	**0.1240**	**0.0327**	**7.4000e-004**	**0.0334**		**116.5115**	**116.5115**	**3.0100e-003**		**116.5868**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4367					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6922**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0563	0.0329	0.4232	1.1700e-003	0.1168	8.0000e-004	0.1176	0.0311	7.4000e-004	0.0318		116.5115	116.5115	3.0100e-003		116.5868
Total	**0.0563**	**0.0329**	**0.4232**	**1.1700e-003**	**0.1168**	**8.0000e-004**	**0.1176**	**0.0311**	**7.4000e-004**	**0.0318**		**116.5115**	**116.5115**	**3.0100e-003**		**116.5868**

3.4 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.5571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5837	4.0716	4.8468	7.9200e-003		0.2509	0.2509		0.2509	0.2509		750.5281	750.5281	0.0515		751.8158
Total	**13.1408**	**4.0716**	**4.8468**	**7.9200e-003**		**0.2509**	**0.2509**		**0.2509**	**0.2509**		**750.5281**	**750.5281**	**0.0515**		**751.8158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2066	0.1207	1.5517	4.2900e-003	0.4518	2.9300e-003	0.4547	0.1198	2.7000e-003	0.1225		427.2088	427.2088	0.0111		427.4850
Total	**0.2066**	**0.1207**	**1.5517**	**4.2900e-003**	**0.4518**	**2.9300e-003**	**0.4547**	**0.1198**	**2.7000e-003**	**0.1225**		**427.2088**	**427.2088**	**0.0111**		**427.4850**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.5571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5837	4.0716	4.8468	7.9200e-003		0.2509	0.2509		0.2509	0.2509	0.0000	750.5281	750.5281	0.0515		751.8158
Total	**13.1408**	**4.0716**	**4.8468**	**7.9200e-003**		**0.2509**	**0.2509**		**0.2509**	**0.2509**	**0.0000**	**750.5281**	**750.5281**	**0.0515**		**751.8158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2066	0.1207	1.5517	4.2900e-003	0.4283	2.9300e-003	0.4312	0.1141	2.7000e-003	0.1168		427.2088	427.2088	0.0111		427.4850
Total	**0.2066**	**0.1207**	**1.5517**	**4.2900e-003**	**0.4283**	**2.9300e-003**	**0.4312**	**0.1141**	**2.7000e-003**	**0.1168**		**427.2088**	**427.2088**	**0.0111**		**427.4850**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2316	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Unmitigated	0.2316	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Total	**0.2316**	**1.0000e-005**	**1.5300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2800e-003**	**3.2800e-003**	**1.0000e-005**		**3.5000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Total	**0.2316**	**1.0000e-005**	**1.5300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2800e-003**	**3.2800e-003**	**1.0000e-005**		**3.5000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Vine Trail (Construction Only) - Napa County, Winter

Vine Trail (Construction Only)

Napa County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	15.00	Acre	15.00	653,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.6	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction Only

Land Use -

Construction Phase - Anticipated Construction schedule

Off-road Equipment - Anticipated construction equipment

Off-road Equipment - Anticipated equipment

Off-road Equipment -

Grading - Assumes soil export and vegetation/trees

Architectural Coating - Paint for striping and signage

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - Basic Construction BAAQMD

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	80,000.00
tblAreaCoating	Area_EF_Parking	150	0
tblAreaCoating	Area_Parking	39204	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	30.00	130.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	PhaseEndDate	4/9/2021	8/27/2021
tblConstructionPhase	PhaseEndDate	5/7/2021	12/31/2021
tblConstructionPhase	PhaseEndDate	6/4/2021	12/31/2021
tblConstructionPhase	PhaseStartDate	4/10/2021	8/28/2021
tblConstructionPhase	PhaseStartDate	5/8/2021	10/1/2021
tblFleetMix	HHD	0.04	0.00
tblFleetMix	LDA	0.59	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0000e-003	0.00
tblFleetMix	MCY	5.4970e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	9.8800e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	3.8800e-003	0.00
tblFleetMix	SBUS	1.0270e-003	0.00
tblFleetMix	UBUS	1.8010e-003	0.00

tblGrading	MaterialExported	0.00	6,000.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	WorkerTripNumber	25.00	35.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	15.1091	43.5143	29.1596	0.0614	12.4422	1.9782	14.4204	6.7258	1.8202	8.5459	0.0000	5,994.2496	5,994.2496	1.7351	0.0000	6,037.6279
Maximum	**15.1091**	**43.5143**	**29.1596**	**0.0614**	**12.4422**	**1.9782**	**14.4204**	**6.7258**	**1.8202**	**8.5459**	**0.0000**	**5,994.2496**	**5,994.2496**	**1.7351**	**0.0000**	**6,037.6279**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	15.1091	43.5143	29.1596	0.0614	5.7928	1.9782	7.7711	3.0789	1.8202	4.8990	0.0000	5,994.2496	5,994.2496	1.7351	0.0000	6,037.6279
Maximum	**15.1091**	**43.5143**	**29.1596**	**0.0614**	**5.7928**	**1.9782**	**7.7711**	**3.0789**	**1.8202**	**4.8990**	**0.0000**	**5,994.2496**	**5,994.2496**	**1.7351**	**0.0000**	**6,037.6279**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.44**	**0.00**	**46.11**	**54.22**	**0.00**	**42.67**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2316	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2316**	**1.0000e-005**	**1.5300e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**		**3.2800e-003**	**3.2800e-003**	**1.0000e-005**	**0.0000**	**3.5000e-003**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2316	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.2316**	**1.0000e-005**	**1.5300e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**		**3.2800e-003**	**3.2800e-003**	**1.0000e-005**	**0.0000**	**3.5000e-003**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2021	8/27/2021	5	130	
2	Paving	Paving	8/28/2021	12/31/2021	5	90	
3	Architectural Coating	Architectural Coating	10/1/2021	12/31/2021	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 15

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 80,000; Striped Parking Area: 39,204

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Grading	Excavators	3	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Pavers	2	8.00	130	0.42
Architectural Coating	Air Compressors	2	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	10	35.00	0.00	750.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	55.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.0541	0.0000	12.0541	6.6220	0.0000	6.6220			0.0000			0.0000

Off-Road	4.0281	41.8177	27.8691	0.0544		1.9712	1.9712		1.8135	1.8135		5,268.4330	5,268.4330	1.7039		5,311.0309
Total	**4.0281**	**41.8177**	**27.8691**	**0.0544**	**12.0541**	**1.9712**	**14.0253**	**6.6220**	**1.8135**	**8.4355**		**5,268.4330**	**5,268.4330**	**1.7039**		**5,311.0309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0459	1.5991	0.3372	4.4400e-003	0.1006	5.1200e-003	0.1057	0.0275	4.9000e-003	0.0324		474.3588	474.3588	0.0245		474.9723
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1381	0.0975	0.9534	2.5300e-003	0.2875	1.8600e-003	0.2894	0.0763	1.7200e-003	0.0780		251.4578	251.4578	6.6700e-003		251.6246
Total	**0.1840**	**1.6966**	**1.2906**	**6.9700e-003**	**0.3881**	**6.9800e-003**	**0.3951**	**0.1038**	**6.6200e-003**	**0.1104**		**725.8166**	**725.8166**	**0.0312**		**726.5969**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4243	0.0000	5.4243	2.9799	0.0000	2.9799			0.0000			0.0000
Off-Road	4.0281	41.8177	27.8691	0.0544		1.9712	1.9712		1.8135	1.8135	0.0000	5,268.4330	5,268.4330	1.7039		5,311.0309
Total	**4.0281**	**41.8177**	**27.8691**	**0.0544**	**5.4243**	**1.9712**	**7.3956**	**2.9799**	**1.8135**	**4.7934**	**0.0000**	**5,268.4330**	**5,268.4330**	**1.7039**		**5,311.0309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0459	1.5991	0.3372	4.4400e-003	0.0960	5.1200e-003	0.1011	0.0264	4.9000e-003	0.0313		474.3588	474.3588	0.0245		474.9723
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1381	0.0975	0.9534	2.5300e-003	0.2725	1.8600e-003	0.2744	0.0726	1.7200e-003	0.0743		251.4578	251.4578	6.6700e-003		251.6246
Total	**0.1840**	**1.6966**	**1.2906**	**6.9700e-003**	**0.3685**	**6.9800e-003**	**0.3755**	**0.0990**	**6.6200e-003**	**0.1056**		**725.8166**	**725.8166**	**0.0312**		**726.5969**

3.3 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4367					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6922**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0592	0.0418	0.4086	1.0800e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		107.7676	107.7676	2.8600e-003		107.8391
Total	**0.0592**	**0.0418**	**0.4086**	**1.0800e-003**	**0.1232**	**8.0000e-004**	**0.1240**	**0.0327**	**7.4000e-004**	**0.0334**		**107.7676**	**107.7676**	**2.8600e-003**		**107.8391**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4367					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6922**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0592	0.0418	0.4086	1.0800e-003	0.1168	8.0000e-004	0.1176	0.0311	7.4000e-004	0.0318		107.7676	107.7676	2.8600e-003		107.8391
Total	**0.0592**	**0.0418**	**0.4086**	**1.0800e-003**	**0.1168**	**8.0000e-004**	**0.1176**	**0.0311**	**7.4000e-004**	**0.0318**		**107.7676**	**107.7676**	**2.8600e-003**		**107.8391**

3.4 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.5571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5837	4.0716	4.8468	7.9200e-003		0.2509	0.2509		0.2509	0.2509		750.5281	750.5281	0.0515		751.8158
Total	**13.1408**	**4.0716**	**4.8468**	**7.9200e-003**		**0.2509**	**0.2509**		**0.2509**	**0.2509**		**750.5281**	**750.5281**	**0.0515**		**751.8158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2170	0.1532	1.4981	3.9700e-003	0.4518	2.9300e-003	0.4547	0.1198	2.7000e-003	0.1225		395.1479	395.1479	0.0105		395.4101
Total	**0.2170**	**0.1532**	**1.4981**	**3.9700e-003**	**0.4518**	**2.9300e-003**	**0.4547**	**0.1198**	**2.7000e-003**	**0.1225**		**395.1479**	**395.1479**	**0.0105**		**395.4101**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.5571					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5837	4.0716	4.8468	7.9200e-003		0.2509	0.2509		0.2509	0.2509	0.0000	750.5281	750.5281	0.0515		751.8158
Total	**13.1408**	**4.0716**	**4.8468**	**7.9200e-003**		**0.2509**	**0.2509**		**0.2509**	**0.2509**	**0.0000**	**750.5281**	**750.5281**	**0.0515**		**751.8158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2170	0.1532	1.4981	3.9700e-003	0.4283	2.9300e-003	0.4312	0.1141	2.7000e-003	0.1168		395.1479	395.1479	0.0105		395.4101
Total	**0.2170**	**0.1532**	**1.4981**	**3.9700e-003**	**0.4283**	**2.9300e-003**	**0.4312**	**0.1141**	**2.7000e-003**	**0.1168**		**395.1479**	**395.1479**	**0.0105**		**395.4101**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2316	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Unmitigated	0.2316	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Total	**0.2316**	**1.0000e-005**	**1.5300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2800e-003**	**3.2800e-003**	**1.0000e-005**		**3.5000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Total	**0.2316**	**1.0000e-005**	**1.5300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.2800e-003**	**3.2800e-003**	**1.0000e-005**		**3.5000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Vine Trail (Construction Only) - Napa County, Annual

Vine Trail (Construction Only)

Napa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	15.00	Acre	15.00	653,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.6	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction Only

Land Use -

Construction Phase - Anticipated Construction schedule

Off-road Equipment - Anticipated construction equipment

Off-road Equipment - Anticipated equipment

Off-road Equipment -

Grading - Assumes soil export and vegetation/trees

Architectural Coating - Paint for striping and signage

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - Basic Construction BAAQMD

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	80,000.00
tblAreaCoating	Area_EF_Parking	150	0
tblAreaCoating	Area_Parking	39204	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	30.00	130.00
tblConstructionPhase	NumDays	20.00	90.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	PhaseEndDate	4/9/2021	8/27/2021
tblConstructionPhase	PhaseEndDate	5/7/2021	12/31/2021
tblConstructionPhase	PhaseEndDate	6/4/2021	12/31/2021
tblConstructionPhase	PhaseStartDate	4/10/2021	8/28/2021
tblConstructionPhase	PhaseStartDate	5/8/2021	10/1/2021
tblFleetMix	HHD	0.04	0.00
tblFleetMix	LDA	0.59	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.0000e-003	0.00
tblFleetMix	MCY	5.4970e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	9.8800e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	3.8800e-003	0.00
tblFleetMix	SBUS	1.0270e-003	0.00
tblFleetMix	UBUS	1.8010e-003	0.00

tblGrading	MaterialExported	0.00	6,000.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	WorkerTripNumber	25.00	35.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.7916	3.5493	2.7769	5.4600e-003	0.8275	0.1675	0.9950	0.4422	0.1548	0.5970	0.0000	482.8680	482.8680	0.1334	0.0000	486.2026
Maximum	**0.7916**	**3.5493**	**2.7769**	**5.4600e-003**	**0.8275**	**0.1675**	**0.9950**	**0.4422**	**0.1548**	**0.5970**	**0.0000**	**482.8680**	**482.8680**	**0.1334**	**0.0000**	**486.2026**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.7916	3.5493	2.7769	5.4600e-003	0.3943	0.1675	0.5618	0.2049	0.1548	0.3597	0.0000	482.8675	482.8675	0.1334	0.0000	486.2021
Maximum	**0.7916**	**3.5493**	**2.7769**	**5.4600e-003**	**0.3943**	**0.1675**	**0.5618**	**0.2049**	**0.1548**	**0.3597**	**0.0000**	**482.8675**	**482.8675**	**0.1334**	**0.0000**	**486.2021**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**52.35**	**0.00**	**43.54**	**53.66**	**0.00**	**39.75**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**3-1-2021**	**5-31-2021**	1.5667	1.5667
2	**6-1-2021**	**8-31-2021**	1.5188	1.5188
3	**9-1-2021**	**9-30-2021**	0.1575	0.1575
		Highest	1.5667	1.5667

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0423	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0423**	**0.0000**	**1.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.7000e-004**	**2.7000e-004**	**0.0000**	**0.0000**	**2.9000e-004**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0423	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0423**	**0.0000**	**1.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.7000e-004**	**2.7000e-004**	**0.0000**	**0.0000**	**2.9000e-004**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2021	8/27/2021	5	130	
2	Paving	Paving	8/28/2021	12/31/2021	5	90	

3	Architectural Coating	Architectural Coating	10/1/2021	12/31/2021	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 15

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 80,000; Striped Parking Area: 39,204

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	3	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Pavers	2	8.00	130	0.42
Architectural Coating	Air Compressors	2	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	10	35.00	0.00	750.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	55.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7835	0.0000	0.7835	0.4304	0.0000	0.4304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2618	2.7182	1.8115	3.5300e-003		0.1281	0.1281		0.1179	0.1179	0.0000	310.6637	310.6637	0.1005	0.0000	313.1756
Total	**0.2618**	**2.7182**	**1.8115**	**3.5300e-003**	**0.7835**	**0.1281**	**0.9116**	**0.4304**	**0.1179**	**0.5483**	**0.0000**	**310.6637**	**310.6637**	**0.1005**	**0.0000**	**313.1756**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9400e-003	0.1035	0.0210	2.9000e-004	6.3200e-003	3.3000e-004	6.6500e-003	1.7400e-003	3.2000e-004	2.0500e-003	0.0000	28.2330	28.2330	1.4100e-003	0.0000	28.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1400e-003	5.6800e-003	0.0597	1.7000e-004	0.0180	1.2000e-004	0.0181	4.7800e-003	1.1000e-004	4.8900e-003	0.0000	14.9902	14.9902	3.9000e-004	0.0000	15.0000
Total	**0.0111**	**0.1092**	**0.0807**	**4.6000e-004**	**0.0243**	**4.5000e-004**	**0.0248**	**6.5200e-003**	**4.3000e-004**	**6.9400e-003**	**0.0000**	**43.2232**	**43.2232**	**1.8000e-003**	**0.0000**	**43.2681**

Mitigated Construction On-Site

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

Category	tons/yr										MT/yr					
Fugitive Dust					0.3526	0.0000	0.3526	0.1937	0.0000	0.1937	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2618	2.7182	1.8115	3.5300e-003		0.1281	0.1281		0.1179	0.1179	0.0000	310.6634	310.6634	0.1005	0.0000	313.1752
Total	**0.2618**	**2.7182**	**1.8115**	**3.5300e-003**	**0.3526**	**0.1281**	**0.4807**	**0.1937**	**0.1179**	**0.3116**	**0.0000**	**310.6634**	**310.6634**	**0.1005**	**0.0000**	**313.1752**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9400e-003	0.1035	0.0210	2.9000e-004	6.0300e-003	3.3000e-004	6.3600e-003	1.6700e-003	3.2000e-004	1.9800e-003	0.0000	28.2330	28.2330	1.4100e-003	0.0000	28.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1400e-003	5.6800e-003	0.0597	1.7000e-004	0.0170	1.2000e-004	0.0172	4.5500e-003	1.1000e-004	4.6700e-003	0.0000	14.9902	14.9902	3.9000e-004	0.0000	15.0000
Total	**0.0111**	**0.1092**	**0.0807**	**4.6000e-004**	**0.0231**	**4.5000e-004**	**0.0235**	**6.2200e-003**	**4.3000e-004**	**6.6500e-003**	**0.0000**	**43.2232**	**43.2232**	**1.8000e-003**	**0.0000**	**43.2681**

3.3 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0565	0.5814	0.6594	1.0300e-003		0.0305	0.0305		0.0281	0.0281	0.0000	90.1057	90.1057	0.0291	0.0000	90.8342
Paving	0.0197					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.0762**	**0.5814**	**0.6594**	**1.0300e-003**		**0.0305**	**0.0305**		**0.0281**	**0.0281**	**0.0000**	**90.1057**	**90.1057**	**0.0291**	**0.0000**	**90.8342**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4100e-003	1.6900e-003	0.0177	5.0000e-005	5.3300e-003	4.0000e-005	5.3700e-003	1.4200e-003	3.0000e-005	1.4500e-003	0.0000	4.4476	4.4476	1.2000e-004	0.0000	4.4505
Total	**2.4100e-003**	**1.6900e-003**	**0.0177**	**5.0000e-005**	**5.3300e-003**	**4.0000e-005**	**5.3700e-003**	**1.4200e-003**	**3.0000e-005**	**1.4500e-003**	**0.0000**	**4.4476**	**4.4476**	**1.2000e-004**	**0.0000**	**4.4505**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0565	0.5814	0.6594	1.0300e-003		0.0305	0.0305		0.0281	0.0281	0.0000	90.1056	90.1056	0.0291	0.0000	90.8341
Paving	0.0197					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0762**	**0.5814**	**0.6594**	**1.0300e-003**		**0.0305**	**0.0305**		**0.0281**	**0.0281**	**0.0000**	**90.1056**	**90.1056**	**0.0291**	**0.0000**	**90.8341**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4100e-003	1.6900e-003	0.0177	5.0000e-005	5.0600e-003	4.0000e-005	5.0900e-003	1.3500e-003	3.0000e-005	1.3800e-003	0.0000	4.4476	4.4476	1.2000e-004	0.0000	4.4505
Total	**2.4100e-003**	**1.6900e-003**	**0.0177**	**5.0000e-005**	**5.0600e-003**	**4.0000e-005**	**5.0900e-003**	**1.3500e-003**	**3.0000e-005**	**1.3800e-003**	**0.0000**	**4.4476**	**4.4476**	**1.2000e-004**	**0.0000**	**4.4505**

3.4 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4144					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0193	0.1344	0.1599	2.6000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003	0.0000	22.4686	22.4686	1.5400e-003	0.0000	22.5072
Total	**0.4336**	**0.1344**	**0.1599**	**2.6000e-004**		**8.2800e-003**	**8.2800e-003**		**8.2800e-003**	**8.2800e-003**	**0.0000**	**22.4686**	**22.4686**	**1.5400e-003**	**0.0000**	**22.5072**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4900e-003	4.5400e-003	0.0476	1.3000e-004	0.0143	1.0000e-004	0.0144	3.8200e-003	9.0000e-005	3.9000e-003	0.0000	11.9592	11.9592	3.1000e-004	0.0000	11.9670
Total	**6.4900e-003**	**4.5400e-003**	**0.0476**	**1.3000e-004**	**0.0143**	**1.0000e-004**	**0.0144**	**3.8200e-003**	**9.0000e-005**	**3.9000e-003**	**0.0000**	**11.9592**	**11.9592**	**3.1000e-004**	**0.0000**	**11.9670**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4144					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0193	0.1344	0.1599	2.6000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003	0.0000	22.4686	22.4686	1.5400e-003	0.0000	22.5072
Total	**0.4336**	**0.1344**	**0.1599**	**2.6000e-004**		**8.2800e-003**	**8.2800e-003**		**8.2800e-003**	**8.2800e-003**	**0.0000**	**22.4686**	**22.4686**	**1.5400e-003**	**0.0000**	**22.5072**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4900e-003	4.5400e-003	0.0476	1.3000e-004	0.0136	1.0000e-004	0.0137	3.6300e-003	9.0000e-005	3.7200e-003	0.0000	11.9592	11.9592	3.1000e-004	0.0000	11.9670
Total	**6.4900e-003**	**4.5400e-003**	**0.0476**	**1.3000e-004**	**0.0136**	**1.0000e-004**	**0.0137**	**3.6300e-003**	**9.0000e-005**	**3.7200e-003**	**0.0000**	**11.9592**	**11.9592**	**3.1000e-004**	**0.0000**	**11.9670**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-...	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0423	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Unmitigated	0.0423	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Consumer Products	0.0422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Total	**0.0423**	**0.0000**	**1.4000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.7000e-004**	**2.7000e-004**	**0.0000**	**0.0000**	**2.9000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.7000e-004	2.7000e-004	0.0000	0.0000	2.9000e-004
Total	**0.0423**	**0.0000**	**1.4000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.7000e-004**	**2.7000e-004**	**0.0000**	**0.0000**	**2.9000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix C

Natural Environment Study
Napa Valley Vine Trail – St. Helena to Calistoga

Napa Valley Vine Trail – St. Helena to Calistoga

Natural Environment Study

Napa County, California
State Route 29
PM 29.24-35.28
EA 04-2Q260

June 2020

Caltrans
CALIFORNIA DEPARTMENT OF TRANSPORTATION

NVTA
NAPA VALLEY TRANSPORTATION AUTHORITY

Natural Environment Study

STATE OF CALIFORNIA
Department of Transportation
And Napa Valley Transportation Authority

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CALIFORNIA DEPARTMENT OF TRANSPORTATION

NAPA VALLEY TRANSPORTATION AUTHORITY

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Summary

This Natural Environmental Study (NES) has been prepared following California Department of Transportation (Caltrans) procedures. This report analyzes the potential effects of the proposed Napa Valley Vine Trail St. Helena to Calistoga project on natural resources and identifies measures to avoid adverse impacts to those resources.

The Napa Valley Transportation Authority (NVTA), in partnership with the Caltrans, is proposing to construct two segments of Class I bicycle and pedestrian trail for a total of 7.4 miles within St. Helena, Napa County, and the City of Calistoga.

Completion of the proposed project would help close a gap in the regional bicycle and pedestrian transportation network; would provide bicyclists and pedestrians with a safe alternative to using State Route (SR) 29 from St. Helena to Calistoga; and would encourage the use of non-motorized travel, which is described in the policies and objectives of the Napa County General Plan and the Napa County Bicycle Plan. The proposed project is one part of the larger Napa Valley Vine Trail vision, which is envisioned as a 47-mile Class I mixed-use path for pedestrians and cyclists that will run the length of the Napa Valley (Calistoga to American Canyon) and connect to the ferry terminal in Vallejo, California.

Project Description

NVTA is proposing to construct two segments of a Class I bicycle/pedestrian trail from Pratt Avenue in the City of St. Helena to the intersection of Lincoln Avenue and Fair Way Avenue in the City of Calistoga ("proposed project"). The St. Helena to Calistoga segment, is an approximately 6.8-mile trail within Caltrans' right of way (ROW), public property, Bothe-Napa Valley State Park (BNVSP), and easements to be granted from private property owners.

The St. Helena to Calistoga segment begins in St. Helena at the intersection of Pratt Avenue and SR 29 at postmile (PM) 29.244 and extends to the north end where it would terminate at Dunaweal Lane east of SR 29 near the city limit of Calistoga (PM 35.308).

The second segment, called the Fair Way Path Extension, comprises a 0.6-mile trail that extends north from Washington Avenue to the intersection of Fair Way and Lincoln Avenue in Calistoga (PM 36.45 to 37.22). The Fair Way Path Extension was previously analyzed under the California Environmental Quality Act

(CEQA) and a Mitigated Negative Declaration was approved by the City of Calistoga's Planning Commission (PC Resolution 2014-29; November 26, 2014). However, the Fair Way Path Extension was not analyzed under the National Environmental Policy Act (NEPA), and the proposed project is subject to federal funds, thus the Fair Way Path Extension is being analyzed under NEPA as part of this proposed project.

For the purposes of this report, the proposed trail has been broken into six sections as shown in Appendix 1, Figure 1 and described in Chapter 1.

Table S-1: Description of Trail Sections with Mile Markers – Napa Valley Vine Trail

Trail Section (South to North)	City or County Location	Extent Description	Postmile location[1] (PM on SR 29, Napa County)
1	St. Helena	Trail beginning at Pratt Avenue at SR 29 to St. Helena	PM 29.3 – 30.1
2	Unincorporated Napa County	Deer Park Rd to Lodi Lane	PM 30.1 – 30.7
3	Unincorporated Napa County	Lodi Lane to Big Tree Road	PM 30.7 – 32.5
4	Unincorporated Napa County, Bothe Napa-Valley State Park	Big Tree Road to North of Larkmead Lane	PM 32.5 – 33.5
5	Unincorporated Napa County	North of Larkmead Lane to Dunaweal Lane	PM 33.5 – 35.5
6	Calistoga	Fair Way Path Extension	PM 36.2 – 37.2

1. Caltrans Postmile Query Tool - https://postmile.dot.ca.gov/PMQT/PostmileQueryTool.html?

Within the project area, there are four perennial watercourses: York Creek, Mill Creek, Ritchey Creek, and the Napa River; and two intermittent streams: Hirsch Creek and Nash Creek. No construction would occur within the perennial waterways. The trail would cross York and Mill Creeks on existing bridges within the Caltrans ROW. The trail would cross Ritchey Creek in BNVSP at a location where this creek is already culverted. The trail would be constructed to completely span the Napa River using an approximately 120-foot free span bridge; the abutments would be sited outside the bed and bank of the river. Where SR 29 crosses over Hirsch and Nash Creeks, the existing culverts across the highway would be extended to accommodate the trail.

Within the project area there is also a vernal pool seasonal wetland and two seasonal wetland drainage ditches. These features would be completely spanned: the proposed design includes the use of an 80-foot free-span bridge over the vernal pool and a 30-foot bridge over an existing canal located on private property south of Twomey Winery near PM 35.282.

Project Footprint, Project Impact Area and Biological Study Area

The project impact area (PIA) totals 21.42 acres and includes both the project footprint (i.e., trail path with shoulders and structures, comprising 11.7 acres) and temporary impacts (i.e., areas that would be temporarily disturbed to construct the project features and includes staging and access areas, comprising 9.72 acres).

The biological study area (BSA) for this project includes the PIA and areas that could be potentially indirectly impacted by the project and to accommodate potential future design changes. The BSA is 99.7 acres, including developed areas. In most locations, the BSA includes a 50-foot buffer on either side of the proposed trail alignment (for a total buffer width of 100 feet) and is considered sufficient based on the habitats adjacent to the PIA (e.g., vineyards and non-native grasslands adjacent to SR 29); these areas do not support suitable habitat for special status plant and wildlife species. In areas with sensitive habitats that may support nesting birds, or other sensitive resources, the BSA was expanded in the following areas:

- Napa River – 300 feet upstream and downstream from proposed trail location, and 100 feet on each side of the River
- Nash Creek – 75 feet downstream, and 100 feet on each side of the creek
- All other creeks – 100 feet downstream (to the east)
- Vernal pool wetland – 100 feet off centerline of the trail to the east

Further details are discussed in Chapter 2. Appendix A, Figures 2 A-J depicts the proposed project footprint, the PIA and BSA.

Summary of Impacts

The project has been designed to avoid and minimize overlap with sensitive biological resources, including regulated species and their habitats and waters. However, the proposed project would have direct and indirect impacts to natural resources. Direct impacts include ground disturbance related to construction activities, placement of the trail path, new structures and culverts. The project

(excluding areas already developed such as existing paved areas associated with driveways, parking lots and existing structures) would result in 8.46 acres of permanent impacts, and 6.34 of temporary impacts. A majority of the trail has been designed to occur on or adjacent to roadway shoulder areas, or on the edge of vineyard rows in order to minimize impacts to special status species and their habitats. Table S-2 contains a detailed list of habitat types and impacts.

Table S-2: Impact Acreages to Waters and Habitats

Habitats	Impact Acreages	
	Permanent	**Temporary**
Aquatic (wetlands/waters)	0.04	0.10
Coast Live Oak Woodland	2.07	1.52
Coast Live Oak Riparian	0.01	0.01
Valley Oak Woodland	0.20	0.13
Valley Oak Woodland Riparian	0.03	0.02
Blue Oak Woodland	0.09	0.06
Mixed Oak Woodland Riparian	0.03	0.02
Landscaping/non-native grassland	4.48	3.33
Vineyard	1.49	1.13
Willow Riparian	0.01	0.01
Developed	3.23	3.40
Total (excluding developed)	**8.46**	**6.34**

The proposed project would have potential direct or indirect impacts on one special status plant species and seven special status animal species. Direct impacts could result from the temporary or permanent loss of habitat (primarily non-native grasslands, some oak woodland and seasonal wetlands), while indirect impacts could result from construction activities in the vicinity of the species habitat. The following species listed by U.S. Fish and Wildlife (USFWS) and/or California Department of Fish and Wildlife (CDFW) as threatened or endangered listed species have potential to or are known to occur in the BSA. The potential for impacts to these species were evaluated in this document:

- Sebastopol meadowfoam (*Limnanthes vinculans*) – federal- and state-listed species, classified as Rank 1B by the California Native Plant Society (CNPS), which includes plants that are considered rare under CEQA.

- California freshwater shrimp (*Syncaris pacifica*) – federal- and state-listed endangered
- steelhead (*Onchorhynchus mykiss*) – federally listed threatened

The remaining wildlife species with potential to occur in the BSA are State Species of Special Concern (SSC) and are evaluated under CEQA:

- foothill yellow-legged frog (*Rana boylii*) – SSC
- western pond turtle (*Emys marmorata*) – SSC
- Migratory raptors and passerines – MBTA
- Bats – pallid bat (*Antrozous pallidus*) and western red bat (*Lasiurus blossevilii*) – SSC

The following sensitive areas contain habitats that support federally-listed species:

- **Vernal Pool Wetland** - Construction of the wetland crossing that supports special status plant species would occur outside the flowering season or between June 15 and October 15 to prevent take of listed plant species. A buffer would be maintained between the wetland and the trail construction to avoid direct impacts to the wetland. Staging, access, and construction for the trail and free span bridge would occur in upland areas.

- **Napa River** – The crossing of the Napa River at Dunaweal Lane supports fisheries, invertebrate and amphibian species, roosting bats and nesting birds. Construction of the bridge and footings would occur in upland areas only. Bridge construction would be completed between September 1 and October 15 to avoid a potential take of SSC wildlife species.

  Potential temporary effects include tree trimming in the location of the proposed free span bridge; vegetation removal in upland areas for installation of the bridge footings; and the movement of machinery for the construction.

Table S-3 lists the permits anticipated to be required for the project.

Table S-3: Permits Anticipated for the Project

Permit	Agency	Biological Resource
Clean Water Act (CWA) section 404 Nationwide Permit	USACE	Waters of the U.S.
Waste quality certification, Section 401 CWA	SFBRWQCB	Waters of the State
Section 1602 Streambed Alteration Agreement	CDFW	Riparian areas and waters where work would occur below the bed and bank of streams
Letters of Concurrence	USFWS; NMFS	Sebastopol meadowfoam, California freshwater shrimp, CCC steelhead

Plant species identified by the California Invasive Plant Council that were observed in the BSA are listed in Appendix B. Many of the non-native grasses, such as wild oats and bromes have become “naturalized”. It would not be practical to implement an eradication program for these species or for all of the non-native and invasive plants observed within the trail alignment. Best management practices would be implemented to minimize the spread of invasive species.

AVOIDANCE AND MINIMIZATION EFFORTS

Caltrans and NVTA have designed this project and developed several AMMs listed below to reduce impacts to special status species and protected resources. Implementation of the AMMs listed below would reduce the potential for impacts to special status species. Additionally, no permanent impacts to federal or state listed species habitats are anticipated, and as a result, no compensatory mitigation is required. A detailed description of these AMMs as well as some additional species-specific AMMs are provided in Chapter 4.

- Seasonal work restrictions
- Avoid nighttime work
- Worker environmental awareness training
- Environmentally sensitive area fencing
- Avoidance of entrapment
- Replanting and reseeding of disturbed areas

- Establish and maintain a tree protection zone
- Implementation of BMPs and construction site management practices
- Preconstruction surveys
- protection of roosting bat habitat
- Reduce spread of invasive species

.

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List of Abbreviated Terms

ADA	Americans with Disabilities Act
AMM	Avoidance and Minimization Measure
BA	Biological Assessment
BCC	Birds of Conservation Concern
BGEPA	Bald and Golden Eagle Protection Act
BMP	best management practices
BNSVP	Bothe-Napa Valley State Park
BSA	biological study area
Cal IPC	California Invasive Plant Council
Caltrans	California Department of Transportation
CDF	California Department of Forestry
CDFA	California Department of Food and Agriculture
CDFG	California Department of Fish and Game
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CNDDB	California Natural Diversity Database
CFGC	California Fish and Game Code
CFR	Code of Federal Regulations
CNPS	California Native Plant Society
CWA	Clean Water Act
DBH	diameter at breast height
EFH	Essential Fish Habitat
EO	Executive Order
FESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
ft	foot/feet
ITP	Incidental Take Permit
MBTA	Migratory Bird Treaty Act
MTC	Metropolitan Transportation Commission
NCTPA	Napa County Transportation and Planning Agency
NEPA	National Environmental Policy Act
NES	Natural Environment Study

NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NPPA	Native Plant Protection Act
NVTA	Napa Valley Transportation Authority
NWP	nationwide permits
OHWM	ordinary high water mark
PC	Planning Commission
PIA	project impact area
PM	post mile
ROW	right of way
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SR	State Route
SSC	Species of Special Concern
SWANCC	Solid Waste Agency of Northwestern Cook County
SWPPP	Storm Water Pollution Prevention Plan
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service
USGS	U. S. Geological Survey

Chapter 1 – Introduction

This Natural Environment Study has been prepared to provide information about the physical and biological conditions of the project location and general vicinity and to evaluate the potential impacts of the project activities on biological resources within the study area. This document provides information to support the environmental determinations made under the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA). For this project, the California Department of Transportation (Caltrans) is the lead agency for NEPA, and Napa Valley Transportation Authority (NVTA) is the lead agency under CEQA.

NVTA, in partnership with Caltrans, is proposing to construct two segments of Class I bicycle and pedestrian trail for a total of 7.4 miles within the cities of St. Helena and Calistoga in Napa County.

Purpose and Need

The purpose and need of the project are to:

- Provide bicyclists and pedestrians with a safe alternative to using the existing shoulder of State Route (SR) 29 from the St Helena to Calistoga in unincorporated Napa County.
- Achieve the goals of the Napa Countywide Bicycle Plan.
- Encourage the use of non-motorized travel, as described in the policies and objectives of the Napa County General Plan.
- Close a gap in the regional bicycle and pedestrian transportation network by connecting to the St Helena to Calistoga.
- Connect to the Bay Area Ridge Trail at Bothe-Napa Valley State Park (BNVSP) and its future planned connection to Sonoma County. The Ridge Trail and Vine Trail routes will use the same proposed alignment between BNVSP and Calistoga.

Project History

The following is a synopsis of the meetings with the Napa Valley Vine Trail Coalition and State, County and City agencies that are involved with the proposed project.

- 2007 – The Napa Valley Vine Trail was originally developed as the 2007 Napa Greenway Feasibility Study commissioned by Napa County Transportation and Planning Agency (NCTPA). This study outlined a plan for a multi-use trail from Calistoga to Vallejo. Napa Valley Vine Trail has an open and inclusive pledge for its board; as a result, there are 32 organizations in Napa Valley that are represented on the board. All board and committee meetings are open to the public and 279 meetings have occurred between 2011 and 2015. Of these meetings, 14 were with the NVTA and three were with Caltrans.
- 2009 – The Napa Valley Greenway Study adopted by NCTPA.
- 2009 – Vine Trail Coalition formed. Advisory members included representatives from County and City Public Works, elected officials, and state agencies such as the California Department of Fish and Wildlife (CDFW) and Caltrans District 4.
- 2012 – Napa County Bicycle Plan adopted the Vine Trail to be included in all jurisdictions and the Unincorporated County of Napa.
- 2014 – Dedication of the Ridge Trail at BNVSP. This event was supported by the Napa Valley Vine Trail Coalition.
- 2016 – NCTPA changes its name to NVTA.
- 2019 – Napa County Bicycle Plan updated and adopted.

Project Description

The NVTA is proposing to construct two segments of a Class I bicycle/pedestrian trail from Pratt Avenue in St. Helena to Lincoln at Fair Way Avenue in the Calistoga ("proposed project") (Appendix A. Figure 1). The first segment, the Napa Valley Vine Trail – St. Helena to Calistoga segment, is an approximately 6.8-mile trail within Caltrans and public right of way (ROW), State Park lands, and easements to be granted from private property owners. The St. Helena to Calistoga segment begins in St. Helena at the intersection of Pratt Avenue and SR 29 at postmile (PM) PM 29.244 and extends to north where it would terminate at Dunaweal Lane, east of SR 29 near the city limits of Calistoga (PM 35.308).

The second segment, called the Fair Way Path Extension, comprises a 0.6-mile trail that extends north from Washington Avenue to the intersection of Fair Way and Lincoln Avenue in Calistoga (PM 36.45 to 37.22). The Fair Way Path Extension was previously analyzed under CEQA and a Mitigated Negative Declaration was approved by the City of Calistoga's Planning Commission (PC

Resolution 2014-29; November 26, 2014). However, the Fair Way Path Extension was not analyzed under NEPA, and the proposed project is subject to federal funds. This trail segment is being analyzed under NEPA as part of this proposed project.

The project area is in the northwestern portion of the Calistoga and St. Helena 7.5-minute topographic quadrangles, within Township 8 and 9N and Range 6 and 7W. The scenic areas include parks with higher concentrations of vegetation (e.g., BNVSP) and vineyards. The developed areas include a mix of residential, recreational, retail, commercial, civic, and agriculture uses with roads and surface parking lots.

The proposed path would be 10 feet wide with 2-foot shoulders for a total width of 14 feet in most locations, narrowing to a lessor width in constrained locations. In most locations the trail would be an asphalt trail installed over aggregate base, with gravel shoulders. Permeable asphalt or a pervious material may be used in some locations (e.g., along vineyard edges or aisles). In most locations, the existing surface would be excavated to a depth of 1.5 to 2 feet to install the trail surface. Grading would occur beyond the shoulders to conform the trail to existing grade up to a maximum slope of 2:1, as allowed by geotechnical conditions.

The trail would be located within rural Napa County and the cities of Calistoga and St. Helena under public ownership; along local streets and roads, along SR 29 in Caltrans' ROW; and private property easements. With exception of a portion of trail through BNVSP, most of the proposed trail would be on the east side of SR 29. Most of the trail would be separated from SR 29; although, a few portions of would be located on the shoulder of SR 29.

The trail would cross multiple roads and private driveways and would cross SR 29 in two locations. Americans with Disabilities Act (ADA) compliant curb ramps would be installed where the trail alignment would cross existing major roads such as Deer Park Road, Lodi Lane, Big Tree Lane, Maple Lane and Dunaweal Lane. Where the trail would cross several private driveways, truncated domes would be installed on either side of the driveways.

Additional improvements include stop signs and trail signage, benches, interpretive signage, fencing along the edge of some property lines, and bus stop relocation and improvements. Proposed improvements on private property would include conform work to match existing grade of the trail and driveways, striping, relocation of mailboxes, removal and replacement of landscaping where it

coincides with the proposed trail alignment. Where the trail would cross SR 29, pedestrian hybrid beacons (PHBs) with crosswalks would be installed.

Some tree removal and limbing would occur to access and construct the trail. Chapter 4 contains details on location and species of trees to be removed.

Some mailboxes and private property frontage features and landscaping may be removed and replaced or relocated in accordance with easements to be granted by private property owners. Safety improvements and signage would be installed along the trail corridor where required in order to conform to applicable local and state standards. For the purposes of this report, the trail is divided into six sections and summarized in Table 1-1.

Table 1-1: Description of Trail Sections with Mile Markers – Napa Valley Vine Trail

Trail Section (South to North)	City or County Location	Extent Description	Postmile location[1] (PM on SR 29, Napa County)
1	St. Helena	Trail beginning at Pratt Avenue at SR 29 to St. Helena City Limit	PM 29.3 -30.1
2	Unincorporated Napa County	Deer Park Rd to Lodi Lane	PM 30.1 – 30.7
3	Unincorporated Napa County	Lodi Lane to Big Tree Road	PM 30.7 – 32.5
4	Unincorporated Napa County, Bothe Napa-Valley State Park	Big Tree Road to North of Larkmead Lane	PM 32.5 – 33.5
5	Unincorporated Napa County	North of Larkmead Lane to Dunaweal Lane	PM 33.5 – 35.5
6	Calistoga	Fairway Path Extension	PM 36.2 - 37.2

1. Caltrans Postmile Query Tool - https://postmile.dot.ca.gov/PMQT/PostmileQueryTool.html?

TRAIL SECTION 1 – TRAIL BEGINNING TO ST. HELENA CITY LIMIT

The trail would begin in St. Helena at the intersection of SR 29 and Pratt Avenue, at Caltrans PM 29.3. The trail would be located on the right shoulder and would cross over York Creek Bridge on SR 29. The roadway would be restriped to accommodate the trail. Signage, striping, and barriers along the shoulder would be installed for the bike path at these bridge crossings. No work would be required outside of the existing roadway footprint at York Creek.

After crossing York Creek, the trail would shift from the shoulder of SR 29 to the east of the Elm Tunnel at PM 29.4. Pavers installed in the 1980's immediately east of the Elm Tunnel would be removed and replaced with permeable pavement or similar material to meet ADA requirements and to allow water to pass through the trail surface to underlying soil. The trail would cross the entrance at Krug Winery and require installation of new culverts and headwalls in an existing roadside drainage ditch. Retaining walls less than 4 feet tall (and associated minor fill slopes) would be constructed at the entrance to Krug Winery (PM 29.8). At the northern limit of St Helena, where the trail crosses Deer Park Road, the existing culvert would be extended, and existing headwalls would be removed and replaced with new headwalls.

TRAIL SECTION 2 – DEER PARK ROAD TO LODI LANE

In this segment, most of the trail would be located on private property easements, in between agricultural lands on the east side of the proposed path and SR 29 on the west side. Some existing landscaping and signage would be removed and relocated where the trail would cross vineyard entrances or private driveways. Replacement and removal would be done in accordance with easements from private property owners. A fire hydrant near Markham Winery conflicts with the proposed trail and would be relocated. Minor fill slopes or retaining walls are proposed within private property for approximately 560 feet along Ballentine Vineyards. The trail would then continue at-grade on private property, crossing York Lane. The trail would continue along private property frontage to Lodi Lane.

TRAIL SECTION 3 – LODI LANE TO BIG TREE LANE

Segment 3 would be located on SR 29 within Caltrans' ROW and private property. The proposed trail would cross Lodi Lane, into Caltrans' ROW and continue north to parallel Freemark Abbey Winery. A portion of this segment would be on the SR 29 shoulder. Signage, striping and safety improvements would be installed. At PM 30.8, the trail would transition from the northbound shoulder of SR 29 to what is currently existing vegetated and bare areas between SR 29 and adjacent vineyards.

Near the southern edge of Trinchero Napa Valley Winery (PM 30.9), the proposed trail location diverges eastward from the grade of SR 29. The trail would be constructed along the edge of the Trinchero Vineyard and retaining walls and fill slopes would be installed to minimize extent of areal grading and to conform final grades. Wall heights would vary from two to eight feet. Vineyard rows would be removed to accommodate the trail path and shoulders, and to provide for suitable areas for tractor turn-around during vineyard operations. After Trinchero, the trail would cross Ehler's Lane at its intersection with SR 29. Existing landscaping and signage would be removed and replaced or relocated.

From Trinchero to Turley Wine Cellars, retaining walls three to eight feet high would be constructed. Box culverts and a free span bridge would be constructed to cross Hirsch Creek, an ephemeral drainage, and a vernal pool wetland feature, all located on private property. Hirsch Creek is culverted west of and underneath SR 29 and then daylights just east of SR 29. The existing culvert on the east side of SR 29 would be extended to provide a trail crossing. Further north of Hirsch Creek (PM 31.4), a new box culvert would be installed across an agricultural ditch

at the edge of a vineyard. The new box culvert would extend for approximately 30 linear feet.

Within this trail section, the proposed alignment overlaps with a vernal pool that supports a population of Sebastopol meadowfoam (*Limnanthes viculans*), a state and federally listed plant species. In this area, the trail has been designed to minimize the likelihood of adversely affecting this species as much as practicable. Trail construction would be sited in upland areas with the exception of a free span bridge at the narrowest part of the wetland. The bridge would be oriented in a north-south direction. Bridge abutments would be constructed in adjacent upland areas to avoid impacts to the wetland.

The bridge abutments would be supported by Cast-in-Drilled-Hole (CIDH) concrete piles, approximately 65'-80' in depth and located more than five feet from the wetland's edge. Installation of the abutments and bridge structure would not require encroachment into the limits of the wetland. The bridge would be installed via crane from existing road and shoulder areas along SR 29. The proposed elevation of the bridge and bridge deck is designed to be above the 100-year flood level. At this location trees along SR 29 would be trimmed or limbed to provide clearance for installation of the crane. Some overhead utility lines may require temporary removal but would be restored immediately following installation of the bridge. After crossing the wetland, the trail would continue in upland areas along the edges of vineyards.

Additionally, stormwater runoff from select sections of the trail near the vernal pool would be conveyed away from the wetland through the use of curbs and gutters or similar feature where runoff would dissipate before discharging into the wetland. Existing culverts which discharge to the wetland area would cross underneath the trail.

Near Turley Cellars (PM 32.04) the trail enters Caltrans' ROW along the northbound shoulder of SR 29 and on the existing SR 29 bridge over Mill Creek (PM 32.1). North of the Mill Creek crossing on SR 29, new storm drainage infrastructure would be installed at the current flowline of an existing roadside swale. Here the trail would be located adjacent to a buckeye grove. North of the buckeye grove, the trail would then be along the edge of vineyards through private property easements, crossing private driveways and local streets until reaching Big Tree Road. Within this segment, retaining walls up to 2.5 feet would be constructed adjacent to the trail. North of Vineyard 29, the trail would again enter

Caltrans' ROW where new culvert storm drain infrastructure with headwalls and junction boxes would be installed in a roadside drainage ditch.

TRAIL SECTION 4 – BIG TREE LANE TO NORTH OF LARKMEAD LANE

From Big Tree Lane, the trail would be constructed on Cal Fire property parallel to SR 29. An existing culvert discharges into a drainage ditch that would be spanned by a culvert or boardwalk. Some retaining walls may be constructed in upland areas on the west edge near the Cal Fire parking lot and near the approach to the drainage crossing.

The trail would cross SR 29 with two at-grade crossings using PHBs across the north and southbound lanes of SR 29 as noted previously. The PHBs would be installed across SR 29 near the California Department of Forestry and Fire Protection (Cal Fire) Sonoma-Lake-Napa Unit Headquarters at Big Tree Road, and within 400 feet either north or south of the entry road to BNVSP. Cal Fire staff would have the ability to activate the pedestrian hybrid beacons when responding to emergency incidents.

A culvert with headwalls would be installed in a ditch on the west side of SR 29. The trail would cross Cal Fire property and connect to an existing gate at the BNVSP and Cal Fire property line.

The trail through BNVSP was sited to avoid and minimize tree removals and to avoid and minimize excavation. Where the trail begins within BNVSP, the proposed trail would follow an old road alignment. In this location, the trail would be constructed in a manner that would avoid excavation into previously undisturbed subgrade. The trail would continue onto existing paved areas and park roads up to the park entry kiosk. Work in this section would be limited to striping and signage which would require excavation into the subgrade.

Beyond the park entry kiosk, the trail would be constructed on fill and would be parallel to and between the park entrance road and SR 29. Drainage improvements would be constructed in an existing ditch just west of SR 29. New culverts would be installed to provide a crossing and substantial footing for the trail path. Retaining walls up to 6 feet high would be installed along the west shoulder of the trail just south of the park entry road. Some tree limbing, tree removal, and vegetation removal would occur north of the park entry kiosk.

TRAIL SECTION 5 – NORTH OF LARKMEAD LANE TO DUNAWEAL LANE

After crossing SR 29, a majority of this section would be in Caltrans ROW along a wide shoulder on the east side of SR 29, with the exception of approximately 600 feet occurring on a private property easement just north of the intersection of Maple Lane and SR 29 (PM 34.4), and a portion within Twomey Cellars just south of Dunaweal Lane.

In this segment, retaining walls 1.5 to 8 feet tall would be constructed, with most walls being less than 3.5 feet. Taller walls are located in areas where there is a larger difference in elevation and SR 29 is at a higher elevation with respect to the proposed trail location. Drainage improvements would include culvert extensions with headwalls to cross two unnamed drainages and Nash Creek.

Approximately 400 linear feet south of the intersection of SR 29 and Dunaweal Lane, the trail would turn east and enter Twomey Cellars property. The trail would be located on a private property easement that parallels an unnamed drainage along Twomey's southern boundary. The trail would cross an existing drainage with an approximately 30-foot-long free span bridge. The trail would continue on until it intersects with Dunaweal Lane. The trail may be constructed with permeable pavement through the Twomey Cellars property.

The trail would parallel the south shoulder of Dunaweal Lane then would cross the Napa River on a new, 120-foot-long free span bridge. There would be limbing of some riparian vegetation, but no tree or vegetation removal below the bed and bank or within the creek channel. There will be removal of upland trees and vegetation on the approach to the proposed bridge. The bridge abutments would be constructed in upland areas and built approximately 50 feet from the top of bank and outside the bed, bank and ordinary high water mark (OHWM) of the Napa River. The bridge abutments would be supported by Cast-In-Drilled-Hole (CIDH) concrete piles up to 80 feet in depth. The free span bridge would be installed via crane that would operate from Dunaweal Lane.

An existing open ditch that currently conveys roadside drainage and agricultural runoff into the Napa River would be culverted for approximately 250 linear feet to provide footing for the trail. The existing outfall of this culvert is located in an upland area and would remain in place. No work would occur at the location of the outfall as part of the proposed project. There would be no new flows into the Napa River as a result of the proposed project.

After the bridge crossing, the trail will cross to the north side of Dunaweal Lane via a striped, at-grade crosswalk. The trail would parallel the north shoulder of Dunaweal Lane and then terminate at an existing segment of the Vine Trail on Dunaweal Lane across from the entrance to Sterling Vineyard. This one-mile section of the Vine Trail terminates near the Calistoga Public Works Center on Washington Street. No work would occur along the existing segment of the Vine Trail as part of this project.

TRAIL SECTION 6 – FAIR WAY PATH EXTENSION

The Fair Way Path Extension would begin near the City of Calistoga Public Works Center at Washington Street. The Fair Way Path Extension trail would be constructed on property owned by the city of Calistoga. The segment begins to the north of and adjacent to the Calistoga Little League Tedeschi Field for the length of the field and then the trail would turn north. The trail would continue on city ROW along an existing gravel and paved area that is north of and parallel to Washington Street.

In this area, the trail would be located parallel to but offset from a drainage ditch. A swale would be constructed on the west side of the trail and culverts installed underneath the proposed trail. Stormwater runoff from the trail would be conveyed to the new swale and then through culverts to the existing drainage ditch. No work is proposed in the existing drainage ditch. The trail would then terminate at the intersection of Lincoln Avenue and Fair Way, where signing, striping, and a pedestrian crosswalk would be installed in accordance with applicable standards.

Table 1-2 summarizes proposed creek crossings.

Table 1-2: Creek Crossings within the BSA – Napa Valley Vine Trail

Creeks (Trail Segment)	Proposed Crossings
Hirsch Creek (Segment 3)	Existing box culvert would be extended by up to 30 feet to cross Hirsch Creek.
vernal pool wetland (Segment 3)	An approximately 70-foot free span prefabricated bridge would be installed. Abutments and retaining walls would be constructed from adjacent upland areas.
Unnamed drainage S1	Install approximately 20 linear feet of new 30-inch reinforced concrete pipe culvert with headwalls at both ends
Nash Creek (Segment 5)	Existing headwall would be removed and replaced; 20 linear feet of new storm drain would be installed.
Stream/Canal S2 at Twomey Vineyard	An approximately 40-foot free span prefabricated

Creeks (Trail Segment)	Proposed Crossings
	bridge would be installed over this unnamed watercourse.
Napa River (Segment 5)	An approximately 120-foot free span prefabricated bridge would be installed over the river.
York Creek (Segment 1)	Not applicable as trail would utilize existing infrastructure.
Mill Creek (Segment 3)	Not applicable as trail would utilize existing infrastructure.
Ritchey Creek (Segment 4)	Not applicable as trail would utilize existing infrastructure.

Construction Methods

Proposed construction methods are described below for different project components.

Trail Surface: The existing surface would be excavated to a depth of 1.5 to 2 feet to install the trail surface. The trail would consist of 3 inches of asphalt over 8 inches of aggregate base (AB). Grading would occur beyond the shoulders to conform the trail to existing grade up to a maximum slope of 2:1.

Trail Signage: The typical signposts will be 30 inches deep with an 18-inch diameter hole. These will be dug by auger or by hand. Signage would be sited so as to avoid buried cultural resources.

Free Span Bridges: New bridges would be prefabricated. Abutments and retaining walls would be constructed from the adjacent upland areas. Likely two CIDH piles will support each abutment, with pile depths of 65 to 80 feet anticipated. Construction would include crane delivery of prefabricated bridges. A crane would be operated from either SR 29, local roads, or graded upland areas, and not within wetland areas. At the crossing near Twomey Winery, bridge construction would require some limbing and removal of willows and one valley oak. At the proposed Napa River crossing, tree trimming activities are also anticipated for bridge delivery and construction, but no tree removals.

Culverts: New wing walls would be installed at culvert inlets and outlets, where necessary. Most culvert extensions would be no more than 30 linear feet in length. In constrained locations where open roadside ditches parallel the trail, culverts would be installed to provide substantial footing for the trail. Storm drain

infrastructure, including junction boxes and manholes, would be installed as part of some culvert extensions to convey stormwater runoff. In most locations, stormwater runoff from the trail would be conveyed to adjacent permeable non-erodible areas.

Road Crossings of SR 29 and Utilities: The trail would cross SR 29 with two at-grade crossings using pedestrian hybrid beacons extended over the north and southbound lanes of SR 29. These crossings would be installed to route the trail through BNVSP. The southern crossing would occur north of Big Tree Road near the driveway to Cal Fire property on the east side of SR 29. The northern crossing would occur approximately 400 feet north of the park entry road. Cal Fire staff would have the ability to activate emergency warning beacons when responding to incidents. Underground utilities would remain in place. Utility poles in conflict with the trail would be moved in coordination with utility owners prior to construction of the project. Other utility adjustments would include relocation of fire hydrant wharfs in a few locations. No additional or expanded use of water or wastewater facilities are proposed as part of this project.

Additional proposed improvements include: ADA compliant curb ramps, stop signs and trail signage, benches, interpretive signage, fencing along the edge of some property lines, and bus stop relocation and improvements.

Staging and Access

Access to the construction site would occur from SR 29 and existing roads. While final staging areas would be confirmed by the construction contractor, staging would primarily occur within the proposed trail alignment. Figure 2 in Appendix A shows where staging areas may occur outside of the alignment. These areas would be used to store and stage materials and equipment at different times throughout project construction.

Staging areas outside of the proposed alignment would typically consist of previously disturbed areas with bare, gravel or paved surfaces. Equipment used at each site will be stored at designated staging areas. No staging areas will be placed in areas that may affect any riparian corridors, waters of the US, or wetlands. Staging areas will not be used for more than one construction season and associated impacts will be temporary in nature.

Construction Schedule

Trail construction is anticipated to take 9 to 12 months and occur in the spring or summer months of 2021 or 2022. Work may be phased along the alignment to adhere to seasonal work restrictions. Construction may occur throughout the week during daytime hours. Bridge deck installation is anticipated to up to two days to complete at each bridge location.

Maintenance

Following completion of the trail, Napa County and the Cities of St. Helena and Calistoga would maintain the portions of the trail within their jurisdiction in accordance with easement agreements and cooperative agreements with Caltrans for the portions of the trail in Caltrans' ROW. Trail operation and maintenance would require occasional sweeping with a compact mechanical sweeper, litter pick-up, and vegetation and tree trimming to provide vertical clearance for bicyclists and pedestrians over the trail.

Project Alternatives

The Build Alternative is the proposed alignment described above. The Build Alternative has been designed to avoid and minimize impacts to sensitive resources to the extent possible.

Under the No-Build Alternative, construction of the Napa Valley Vine Trail-St. Helena to Calistoga segment would not occur. The project purpose and need would not be met and there would be no changes in existing land use or facilities.

Chapter 2 – Study Methods

This chapter presents the various field studies and identifies the available scientific literature and public agency documents that were reviewed to establish the environmental baseline for this project. The information obtained was used to assess the impacts of this project on biological and protected resources, including wetlands, riparian areas, and rare plant and wildlife species.

Regulatory Requirements

For the purposes of this document, 'special status' has been defined as federally or state listed and proposed/candidate species, federally listed critical habitats, Essential Fish Habitats (EFH), United States Fish and Wildlife Service (USFWS) Birds of Conservation Concern (BCC), CDFW Special Status Species, CDFW sensitive plant communities, CNPS Rare Plants (ranked 1A, 1B, 2A, 2B, or 3), and migratory birds protected under the Migratory Bird Treaty Act (MBTA). Certain vegetation communities, and plant and animal species are designated as having special status based on their overall rarity, endangerment, restricted distribution, and/or unique habitat requirements.

In general, special status is a combination of these factors that leads to the designation of a species as sensitive. The Federal Endangered Species Act (FESA) outlines the procedures whereby species are listed as endangered or threatened and established a program for the conservation of such species and the habitats in which they occur. The California Endangered Species Act (CESA) amends the California Fish and Game Code to protect species deemed to be locally endangered and essentially expands the number of species protected under the FESA. The regulatory discussion below provides a synopsis of those regulations that may pertain the species within the project area.

FEDERAL

Federal Endangered Species Act

In 16.U.S.C. 1531, FESA sets forth the goal of conserving threatened and endangered species (listed species) and the ecosystems upon which they depend. Section 7(a)(2) of the Act, entitled "interagency cooperation," establishes the process whereby federal action agencies, their applicants (e.g., state transportation agencies), and USFWS work together to ensure that proposed actions are not likely to jeopardize the continued existence of listed species or destroy or adversely modify designated critical habitat. It states, "...each Federal

agency shall, in consultation with, and with the assistance of the Secretary, ensure that any action authorized, funded, or carried out by such agency... is not likely to jeopardize the continued existence of any endangered species or threatened species or result in the destruction or adverse modification of habitat of such species which is determined by the Secretary, after consultation as appropriate with the affected States, to be critical...". Implementations procedures are set forth at 50 Code of Federal Regulations (CFR) Part 402.

Section 9 of the ESA prohibits the "take" of any federally-listed threatened or endangered species without first obtaining the necessary take exemption from the USFWS and state permits where applicable. Take is defined as: "harm, harass, pursue, hunt, shoot, wound, kill, capture, collect, or attempt to engage in any such conduct" (Section 3(18), ESA). Harm is defined as: "significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavior patterns, including breeding, feeding, or shelter" (50 CFR § 17.3the). Take also includes modification of habitat that would result in harm.

Clean Water Act (CWA), Sections 404 and 401

The CWA provides guidance for the restoration and maintenance of the chemical, physical, and biological integrity of the nation's waters.

United States Army Corps of Engineers (USACE) regulates the discharge of dredged or fill material into waters of the United States under Section 404 of the CWA. Waters of the United States are defined as waters where use, degradation, or destruction could affect interstate or foreign commerce, tributaries to any of these waters, and wetlands that meet any of these criteria or that are somehow connected to any of these waters or their tributaries.

Wetlands are defined as areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted to life in saturated soil conditions. Wetlands falling under USACE jurisdiction must demonstrate the presence of three specific wetland parameters: hydric soils, hydrophytic vegetation, and sufficient wetland hydrology. Generally, wetlands include swamps, marshes, bogs, and similar areas. Lakes, rivers, and streams are defined as "other waters."

Jurisdictional limits of these features are typically noted by the OHWM. The OHWM is the line on the shore or bank that is established by the fluctuations of water and

indicated by physical characteristics, such as a clear, natural line impressed on the bank, shelving, changes in soils, lack of woody or terrestrial vegetation, the presence of litter or debris, or other characteristics of the surrounding areas.

Isolated ponds or seasonal depressions had been previously regulated as waters of the United States. However, in Solid Waste Agency of Northwestern Cook County (SWANCC) v. United States Army Corps of Engineers et al. (January 8, 2001), the U.S. Supreme Court ruled that certain "isolated" wetlands (e.g., non-navigable, isolated, and intrastate) do not fall under the jurisdiction of the CWA and are no longer under USACE jurisdiction (although isolated wetlands are regulated by the State of California under the Porter-Cologne Water Quality Control Act—see discussion below).

Section 404 prohibits the discharge of dredged or fill material into waters of the United States (including wetlands) without a permit from USACE. With respect to the proposed project, the discharge of dredged or fill material includes the following activities:

- placement of fill that is necessary for the construction of any structure or infrastructure in a water of the United States;
- the building of any structure, infrastructure, or impoundment requiring rock, sand, dirt, or other material for its construction;
- site development fills for recreational, industrial, commercial, residential, or other uses; and
- construction of causeways or road fills.

The regulations and policies of USACE and RWQCB mandate that the filling of wetlands be avoided unless it can be demonstrated that no practicable alternatives (to filling wetlands) exist. If the placement of fill into waters of the U.S., including wetlands, meets certain criteria the project may be permitted under one of the Nationwide Permits (NWP), which is an expedited permit process.

Section 401 of the CWA requires an applicant for any federal permit that may result in a discharge into waters of the United States to obtain a certification from the state that the discharge will comply with provisions of the CWA. The regional water quality control boards (RWQCBs) administer this program. Any condition of water quality certification would be incorporated into the USACE permit. The state has a policy of no net loss of wetlands and typically requires mitigation for impacts on wetlands before it will issue a water quality certification.

Migratory Bird Treaty Act

The MBTA (15 USC 703-711) 50 CFR Part 21 and 50 CFR Part 10, and California Fish and Game Code (CFGC) sections 3503, 3513, and 3800 protect migratory birds, their occupied nests, and their eggs from disturbance or destruction. Migratory birds include all nongame, wild birds found in the U.S., except the house sparrow (*Passer domesticus*), European starling (*Sturnus vulgaris*), and rock pigeon (*Columba livia*).

The MBTA implements international treaties between the United States and other nations devised to protect migratory birds, any of their parts, eggs, and nests from activities such as hunting, pursuing, capturing, killing, selling, and shipping, unless expressly authorized in the regulations or by permit. As authorized by the MBTA, USFWS issues permits to qualified applicants for the following types of activities: falconry, raptor propagation, scientific collecting, special purposes (rehabilitation, education, migratory game bird propagation, and salvage), take of depredating birds, taxidermy, and waterfowl sale and disposal. The regulations governing migratory bird permits can be found in 50 CFR part 13 General Permit Procedures and 50 CFR part 21 Migratory Bird Permits. The State of California has incorporated the protection of birds of prey in Sections 3800, 3513, and 3503.5 of the CDFW Code.

Executive Order 11990 – Protection of Wetlands

Established a national policy to avoid adverse impacts to wetlands whenever there is a practicable alternative. The U.S. Department of Transportation (DOT) promulgated DOT Order 5660.1A in 1978 to comply with this direction. On federally funded projects, impacts to wetlands must be identified. Alternatives that avoid wetlands must be considered. If wetland impacts cannot be avoided, then all practicable measures to minimize harm must be included.

Executive Order 13112 – Invasive Species

On February 3, 1999, President William J. Clinton signed Executive Order (EO) 13112 requiring federal agencies to combat the introduction or spread of invasive species in the United States. The order defines invasive species as “any species, including its seeds, eggs, spores, or other biological material capable of propagating that species, that is not native to that ecosystem whose introduction does or is likely to cause economic or environmental harm or harm to human health." Federal Highway Administration (FHWA) guidance issued August 10, 1999 directs the use of the State’s invasive species list, maintained by the

California Invasive Species Council to define the invasive plants that must be considered under NEPA.

Under the E.O., federal agencies cannot authorize, fund, or carry out actions that it believes are likely to cause or promote the introduction or spread of invasive species in the United States or elsewhere unless all reasonable measures to minimize risk of harm have been analyzed and considered.

Essential Fish Habitat

Essential Fish Habitat (EFH) is regulated through the National Marine Fisheries Service (NMFS), a division of the National Oceanic and Atmospheric Administration (NOAA). Protection of EFH is mandated through changes implemented in 1996 to the Magnuson-Stevens Fishery Conservation and Management Act (Magnuson-Stevens Act) to protect the loss of habitat necessary to maintain sustainable fisheries in the United States. The Magnuson-Stevens Act defines EFH as “those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity” (16 U.S.C. 1802(10)). EFH can include the water column, bottom substrate types such as gravels suitable in size for salmonid spawning, and vegetation and woody structures that provided habitat for rearing. Under regulatory guidelines issued by NMFS, any federal agency that authorizes, funds, or undertakes action that may affect EFH is required to consult with NMFS (50 CFR 600.920).

STATE

California Endangered Species Act

California has enacted a similar law to the FESA at the state level with the CESA. CESA (Fish and Game Code 2050 et seq.) establishes the policy of the State to conserve, protect, restore, and enhance threatened or endangered species and their habitats. CESA mandates that state agencies should not approve projects that would jeopardize the continued existence of threatened or endangered species if reasonable and prudent alternatives are available that would avoid jeopardy. There are no state agency consultation procedures under CESA. For projects that affect both a state and federal listed species, compliance with FESA may satisfy CESA if CDFW determines that the federal incidental take authorization is “consistent” with CESA under California Fish and Game Code (CFGC) Section 2080.1. For projects that will result in a take of a state-only listed

species, agencies must apply for an Incidental Take Permit (ITP) under CFGC Section 2081(b).

The State of California first began to designate species as “Fully Protected” prior to the creation of the CESA and the FESA. Lists of fully protected species were initially developed to provide protection to those animals that were rare or faced possible extinction, and included fish, mammals, amphibians and reptiles, birds and mammals. Most fully protected species have since been listed as threatened or endangered under CESA and/or FESA. The regulations that implement the Fully Protected Species Statute (CFGC Section 4700) provide that fully protected species may not be taken or possessed at any time. Furthermore, CDFW prohibits any state agency from issuing incidental take permits for fully protected species, except for necessary scientific research.

Porter-Cologne Water Quality Control Act

The term “Waters of the State” is defined by the Porter-Cologne Act as “any surface water or groundwater, including saline waters, within the boundaries of the state.” The RWQCB protects all waters in its regulatory scope, but has special responsibility for wetlands, riparian areas, and headwaters. These waterbodies have high resource value, are vulnerable to filling, and are not systematically protected by other programs. RWQCB jurisdiction includes “isolated” wetlands and waters that may not be regulated by the USACE under Section 404. “Waters of the State” are regulated by the RWQCB under the State Water Quality Certification Program which regulates discharges of fill and dredged material under Section 401 of the Clean Water Act and the Porter-Cologne Water Quality Control Act. Projects that require a USACE permit, or fall under other federal jurisdiction, and have the potential to impact “Waters of the State,” are required to comply with the terms of the Water Quality Certification determination.

If a proposed project does not require a federal permit but does involve dredge or fill activities that may result in a discharge to “waters of the State,” the RWQCB has the option to regulate the dredge and fill activities under its state authority in the form of Waste Discharge Requirements. Napa County, and thus this project, is within the San Francisco Bay RWQCB (SFBRWQCB) district.

California Environmental Quality Act (CEQA)

CEQA is a California statute passed in 1970 to institute a statewide policy of environmental protection. CEQA does not directly regulate land uses, but instead

requires state and local agencies within California to follow a protocol of analysis and public disclosure of environmental impacts of proposed projects and adopt all feasible measures to mitigate those impacts.

The CEQA statute, California Public Resources Code § 21000 et seq., codifies a statewide policy of environmental protection. According to CEQA, all state and local agencies must consider environmental protection in regulating public and private activities and should not approve projects for which there exist feasible and environmentally superior mitigation measures or alternatives.

Native Plant Protection Act

California's Native Plant Protection Act (NPPA) requires all state agencies to utilize their authority to carry out programs to conserve endangered and rare native plants. Provisions of the NPPA prohibit the taking of listed plants from the wild and require notification to CDFW at least 10 days in advance of any change in land use. This allows CDFW to salvage listed plant species that would otherwise be destroyed. In this case, NVTA is required to conduct botanical inventories and consult with CDFW during project planning to comply with the provisions of this act and sections of CEQA that apply to rare or endangered plants.

California Invasive Plant Council (Cal-IPC)

Cal-IPC focuses on plant species that impact natural areas, sometimes called "wildland weeds" (Cal-IPC 2006). The state laws implemented by the CDFA are found in CDFA Code, which defines a 'noxious weed' to be any species of plant that is, or is liable to be, troublesome, aggressive, intrusive, detrimental, or destructive to agriculture, silviculture, or important native species, and difficult to control or eradicate, which the director, by regulation, designates to be a noxious weed.

There are various rankings for invasive species and are as follows:

High – These species have severe ecological impacts on physical processes, plant and animal communities, and vegetation structure. Their reproductive biology and other attributes are conducive to moderate to high rates of dispersal and establishment. Most are widely distributed ecologically.

Moderate – These species have substantial and apparent-but generally not severe-ecological impacts on physical processes, plant and animal communities, and vegetation structure. Their reproductive biology and other attributes are

conducive to moderate to high rates of dispersal, though establishment is generally dependent upon ecological disturbance. Ecological amplitude and distribution may range from limited to widespread.

Limited – These species are invasive but their ecological impacts are minor on a statewide level or there was not enough information to justify a higher score. Their reproductive biology and other attributes result in low to moderate rates of invasiveness. Ecological amplitude and distribution are generally limited, but these species may be locally persistent and problematic.

Alert – An Alert is listed on species with High or Moderate impacts that have limited distribution in California but may have the potential to spread much further.

Watch – These species have been assessed as posing a high risk of becoming invasive in the future in California.

County and City Ordinances

The Open Space and Conservation Section of the Napa County General Plan Update (2009) calls for the protection of natural resources in the county. Goals in the general plan include enhancing biodiversity, protecting habitat connectivity, conserving fisheries and wildlife habitat and more. It is the policy of the county that development projects consider and address impacts to wildlife habitat and avoid impacts to fisheries and habitat supporting special status species to the extent feasible. Where impacts to wildlife and special status species cannot be avoided, projects shall include effective mitigation measures and management plans to offset impacts to these resources.

Mitigation measures include provisions such as supplemental planting, tree replanting, habitat replacement, and temporary or permanent buffers of adequate size to avoid disturbing protected wildlife species. Additional general plan policy addresses removal of oak woodlands. The County shall retain existing oaks to the extent feasible as part of residential, commercial, industrial and agricultural land division approvals.

REGIONAL

City of St. Helena Tree Ordinance

The City of St. Helena defines heritage trees and designating trees of historical significance. These trees or groves of trees must meet one of the following criteria:

- Over 30 inches in diameter;
- Unique or rare horticultural specimen;
- Uniqueness of size or age;
- Aesthetic value due to symmetry, form, color or, other qualities;
- An outstanding specie of a desirable species, especially native oak species;
- Significance for habitat preservation, including where tree is one of a group of trees each dependent on the other for survival.

Napa County Tree Ordinance

Trees that will be removed as part of the project will follow the Napa County Municipal Code Section 18.108.100 in accordance with the Guidelines of the Napa County Public Works Department. This section of the code requires that:

- Existing trees six inches in DBH or larger located on a site for which either an administrative or discretionary permit is required shall not be removed until the required permits have been approved by the decision-making body and tree removal has been specifically authorized.
- Trees to be retained or designated for retention shall be protected through the use of barricades or other appropriate methods to be placed and maintained at their outboard drip line during the construction phase. Where appropriate, an applicant may be required to install and maintain construction fencing around the trees to ensure their protection during earthmoving activities.
- Vegetation required to be preserved but removed either advertently or inadvertently, or before any required permit has been issued, shall be replaced with fifteen-gallon trees at a ratio of 2:1 at locations approved by the director or designee, or replaced with smaller trees at a higher ratio to be determined by the director or designee.

Studies Conducted

All field studies were conducted within the Biological Study Area and all areas within the BSA were visually accessible. The project footprint totals 11.7 acres and includes all areas that would receive direct impacts due to construction activities such as the trail path and shoulders, structures, and staging and access areas. The Project Impact Area (PIA) is 21.42 acres and includes both the project footprint and temporary impacts.

The Biological Study Area (BSA) for this project includes the PIA including areas that could be indirectly affected by project activities or if the project footprint is enlarged in the future. The BSA is 99.7 acres, including developed areas. In most locations, the BSA includes a 50-foot buffer on either side of the proposed trail alignment (for a total buffer width of 100 feet) and is considered sufficient based on the habitats adjacent to the PIA (e.g., vineyards and non-native grasslands adjacent to SR 29), which generally do not support suitable habitat for special status plant and wildlife species. In sensitive habitats that may provide habitat for special status species, the BSA was expanded in the following areas:

- Napa River – 300 feet upstream and downstream from proposed trail location, and 100 feet on each side of the river
- All other creeks – 100 feet downstream (to the east)
- Nash Creek – 75 feet downstream, and 100 feet on each side of the creek
- Vernal pool wetland - 100 feet off centerline of the trail to the east

The setback for the vernal pool wetland is based on plants and vegetation communities being static in movement and the buffer size is sufficient to protect sensitive vegetation communities.

The setbacks on the creeks and other sensitive vegetation communities and wildlife habitats are based on animal movement and the baseline noise levels from vehicular traffic on SR 29. For example, Ware et al. (2015) found that increased decibels of traffic noise decreased the efficiency of bird foraging. The study found that traffic noise degrades habitat value but leaves no physical signs of change (Ware et al 2015). As a result, the 100-foot buffer along creek corridors that cross SR 29 was deemed sufficient to determine occupancy for passerines. The buffer area along the riparian corridor of the Napa River is larger because the traffic on Dunaweal Lane is less than SR 29 and so a buffer of 300 feet upstream and downstream was used.

Appendix A, Figures 2 A-J depicts the proposed project footprint, the PIA and BSA.

Information on special status plant species was compiled through a review of the literature and database search. Database searches for known occurrences of special status species focused on the St. Helena and Calistoga U.S. Geologic Service (USGS) 7.5-minute topographic quadrangles, which provided a five-mile radius around the proposed project area. The following sources were reviewed to

determine which special status plant and wildlife species have been documented in the vicinity of the project site:

- USFWS Information on Planning and Conservation (IPaC) (USFWS 2020)
- National Marine Fisheries (NMFS) protected species, designated critical habitats, EFH (NMFS 2020)
- California Natural Diversity Database records (CNDDB) (CDFW 2020a)
- CDFW Special Animals List (CDFW 2020b),
- State and Federally Listed Endangered and Threatened Animals of California (CDFW 2020c)
- CNPS Electronic Inventory of Rare and Endangered Plants (CNPS 2020)
- California Fish Passage Assessment Database (PAD) (CalFish 2018)
- California Department of Fish and Game (CDFG) publication "California's Wildlife, Volumes I-III" (Zeiner, et al., 1990)
- Napa County Baseline Data Report (Jones & Stokes 2005)
- Napa County General Plan (Napa County 2008)

The details for each regulatory agency and their purview are presented in Chapter3 and the lists of special status species from the agencies are shown in Appendix B.

Botanical nomenclature used in this report conforms to Baldwin et al. (2012) for plants and to Sawyer et al. (2009) for vegetation communities and/or the Napa County Baseline Data Report (Jones & Stokes 2005). Wildlife habitats found within the BSA, and the wildlife species known to utilize them, are described from *A Guide to Wildlife Habitats of California* (Mayer and Laudenslayer 1988), which is the basis for the online California Wildlife Habitat Relationships (CWHR) (wildlife.ca.gov/Data/CWHR/). Nomenclature for special status animal species conforms to CDFW (2020c). Chapter 3 presents these findings with Table 3-5 presenting a list of special status plant species reviewed for this project. Table 3-6 presents a list of special status animal species reviewed for this project.

CalFish Maps were reviewed using the CNDDB BIOS5 Map Viewer (www.calfish.org/DataandMaps/CalFishGeographicData), developed by CDFW Biogeographic Data Branch for analysis of steelhead critical habitat along York Creek, Hirsch Creek, Mill Creek, Ritchie Creek, Nash Creek, and the Napa River.

Inference of presence of several terrestrial species were based on the following: (1) historical occurrences of the species in the BSA, (2) historical range of the species based on the literature research, (3) those species occurred in habitats similar to those of the Vine Trail BSA, and (4) connectivity of the project area to suitable habitat. No focused surveys were conducted for wildlife species based on the unknown timing of the project, the largely developed nature of the project area and sufficient information being available to understand species' presence or absence from the area.

FIELD INVESTIGATIONS

Trish Tatarian, MS, Partner and wildlife biologist, Wildlife Research Associates, and Jane Valerius, MS, botanist and wetland specialist, Jane Valerius Environmental Consulting, authored this report, performed all field investigations, as well as performed the Habitat Assessment that was the basis for this NES.

The field reconnaissance included site visits to the BSA by consultant biologists between 2013 and 2019 (refer to Table 2-1 for Survey Type, Date, Personnel and Objective). The field reconnaissance was conducted by walking the BSA, mapping vegetation communities and land uses on an aerial photograph (approximately 1"=102,000' scale), and conducting baseline surveys for plants and animals, which include noting plant and animal species observed within each vegetation community. A wetland delineation and an evaluation of habitat suitability for special status plant species were also conducted. No focused, protocol-level surveys were conducted for special status wildlife species. All potentially suitable habitats within the BSA were evaluated on the ground and indirect observations using binoculars and spotting scopes were made of all areas that were inaccessible, such as adjacent private properties or highway shoulders.

Vegetation Mapping and Baseline Plant and Animal Surveys

The purpose of the site visits was to categorize the habitats along the proposed pathway and to assess the potential for special status vegetation communities and species to occur within the PIA. The reconnaissance-level site visit was intended only to evaluate on-site and adjacent habitat types. Trish Tatarian and Jane Valerius, conducted a reconnaissance-level survey of proposed project areas on March 17, 2016, February 14, and April 26, 2017. The 2017 site visits included focused surveys for special status plants. Selected portions of the trail were also reviewed on April 24 and December 6, 2018, and on November 5, 2019. A final survey was conducted on February 20, 2020, by Jane Valerius.

Appendix B presents the plant species observed during these and other surveys. For those areas within the BSA that could support sensitive species, conclusions about the potential for occurrence were based on the degree of disturbance, proximity to existing developments, date of any historical recorded sightings, and the amount of development and disturbance that has occurred during the time subsequent to the latest record.

An evaluation of habitat suitability was performed throughout the BSA using aerial imagery, CNDDB searches and field investigations to characterize the distribution and relative abundance of wildlife, wildlife resources, and wildlife habitat. Habitat types within the project area were investigated, with an emphasis on areas with the potential to support state or federally listed species.

The project area was evaluated for suitable bird nesting habitat using 8 × 42 roof-prism binoculars, noting presence of old bird nests. The reconnaissance-level site visit was intended only as an evaluation of on-site and adjacent habitat types; no protocol-level special status species surveys were conducted as part of this effort because of the timing of the project. See Appendix B for a list of animal species observed during the surveys.

A sensitive wildlife species was considered potentially present in the project area if its known geographical distribution encompassed part of the project area or if its distribution was near the project area and general habitat requirements of the species were present (e.g., the presence of roosting, nesting, or foraging habitat, or a permanent water source).

Focused Plant Surveys

As required by Napa County, USFWS and CDFW, surveys for special status plants were conducted during the time of year when special status plants were in flower and therefore identifiable to species. The surveys were floristic in nature meaning that every plant observed was identified to the extent necessary to determine its rarity and listing status.

Jane Valerius conducted plant surveys for the Calistoga to Bothe-Napa Valley Park section on April 29, May 10, June 24, and July 17, 2013, with updated surveys conducted February 14 and April 26, 2017. Surveys for the Bothe-Napa Valley Park to Pratt Avenue section were conducted on March 17, April 20, May 19, and June 9, 2016, with additional surveys conducted on February 14, April 11, April 26, May 10, and May 25, 2017. Selected portions of the trail were also reviewed on

April 24 and December 6, 2018, November 5, 2019 and February 20, 2020. Areas proposed for vineyard development and surrounding environments were walked. A list of plant species observed and identifiable during the site visits was recorded and is provided as Appendix B.

Wetland Delineation

An aquatic delineation was conducted for the project area to identify potential CWA Section 404 waters of the United States and potential wetlands based on the *Wetlands Delineation Manual* (Environmental Laboratory 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (USACE 2008). Field work for the delineation was conducted by Jane Valerius on April 29 and May 10, 2013, for the Dunaweal Lane to Bothe-Napa Valley Park section with a follow-up visit on February 14, 2017, to make sure nothing had changed in the alignment, and on April 20 and May 19, 2016 for the Bothe-Napa Valley Park to Pratt Avenue section. Additional surveys to reconfirm potential jurisdictional wetlands and waters were also conducted on May 25, 2017, April 24, 2018 November 5, 2019 and February 20, 2020 as the project alignment changed.

Appendix C contains the Delineation of Waters of the U.S., Including Wetlands, for proposed project.

PERSONNEL AND SURVEY DATES

Table 2-1 lists the surveys completed and the personnel participating in the surveys as well as typical observations made during each survey.

Table 2-1: Survey Dates and Personnel – Napa Valley Vine Trail

Survey Type	Survey Date	Personnel	Objective of survey
Vegetation Mapping and Baseline Plant and Animal Surveys	March 17, 2016	Jane Valerius [1], Trish Tatarian [2]	Land use, vegetation communities, and habitat mapping.
	February 14, 2017	Jane Valerius, Trish Tatarian	Land use, vegetation communities, and habitat mapping.
	April 26, 2017	Jane Valerius, Trish Tatarian	Land use, vegetation communities, and habitat mapping.

[1] Jane Valerius Environmental Consulting botanist and wetland specialist
[2] Wildlife Research Associates

Survey Type	Survey Date	Personnel	Objective of survey
	November 5, 2019	Jane Valerius, Trish Tatarian	Land use, vegetation communities, and habitat mapping.
Wetland Delineation	April 29, 2013	Jane Valerius	Wetland delineation in various locations, including all major drainages throughout the project corridor.
	May 10, 2013	Jane Valerius	Wetland delineation in various locations, including all major drainages throughout the project corridor.
	April 20, 2016	Jane Valerius	Wetland delineation in various locations, including all major drainages throughout the project corridor.
	May 19, 2016	Jane Valerius	Wetland delineation in various locations, including all major drainages throughout the project corridor.
	May 25, 2017	Jane Valerius	Wetland delineation in various locations, including all major drainages throughout the project corridor.
	April 24, 2018	Jane Valerius	Wetland delineation in various locations, including all major drainages throughout the project corridor.
	November 5, 2019	Jane Valerius and Trish Tatarian	Made revisions and additions to wetland maps based on new project alignment
	February 20, 2020	Jane Valerius	Verified delineation mapping
Rare Plant Surveys	April 29, 2013	Jane Valerius	Calistoga to BNVSP
	May 10, 2013	Jane Valerius	Calistoga to BNVSP
	June 24, 2013	Jane Valerius	BNVSP
	July 17, 2013	Jane Valerius	BNVSP
	March 17, 2016	Jane Valerius	BNVSP to Pratt Avenue
	April 20, 2016	Jane Valerius	BNVSP to Pratt Avenue
	May 19, 2016	Jane Valerius	BNVSP to Pratt Avenue
	June 9, 2016	Jane Valerius	BNVSP to Pratt Avenue
	February 14, 2017	Jane Valerius	BNVSP to Pratt Avenue
	April 11, 2017	Jane Valerius	BNVSP to Pratt Avenue
	April 26, 2017	Jane Valerius	BNVSP to Pratt Avenue

Survey Type	Survey Date	Personnel	Objective of survey
	May 10, 2017	Jane Valerius	BNVSP to Pratt Avenue
	May 25, 2017	Jane Valerius	BNVSP to Pratt Avenue
	April 24, 2018	Jane Valerius	Select portions of trail
	December 6, 2018	Jane Valerius	Select portions of trail
	February 20, 2020	Jane Valerius	Reviewed and confirmed mapping for wetlands and waters Reviewed CNDDB locations for presence of Sebastopol meadowfoam

AGENCY COORDINATION AND PROFESSIONAL CONTACTS

Since the design phase for the proposed project began in July 2019, the project design team completed the following coordination with agencies:

- Project kick off meeting with Caltrans in July 2019
- Field review meeting with Caltrans on September 11, 2019
- Field meeting with CDFW and SFBRWQCB in November 2019
- Technical assistance meeting with NVTA, Fisheries Biologist Elena Meza from NMFS, and Caltrans, April 2020
- Early coordination teleconference with NVTA, Permit Manager Daniel Breen from USACE, and Caltrans, April 2020
- Bi-weekly meetings with Caltrans design and environmental staff from September to December 2019
- Design workshop with Caltrans design an environmental staff for work near waters and wetlands and in BNVSP, December 19, 2019.

Cumulative Impacts

In addition, to analyze cumulative impacts on natural resources in the project vicinity, projects in CEQAnet pending or approved within Napa County within the next five years, proposed projects in the State Highway Operation and Protection Program (SHOPP) projects and planned PG&E projects were given consideration. These projects were reviewed to determine their potential to contribute to cumulative impacts in association with the proposed Vine Trail Project.

Limitations That May Influence Results

The entire project corridor was visibly accessible, either by car or on foot. Areas of private property with no landowner permission to access were viewed from the ground at a distance from the highway. No focused surveys for wildlife were conducted. As a result, the potential for a special status animal species to occur in the BSA was based on reported occurrences in the vicinity and habitats within the BSA. The limitation of relying on reported occurrences is that not all lands surrounding or adjacent to the PIA have been surveyed for their occupancy of special status species. As a result, a lack of findings of a species in a particular area may not be result of no occupancy but rather the result of no focused surveys being conducted.

The studies were conducted between 2013 and 2019 and were conducted for the entire project corridor. Analysis in the NES as a result of those surveys reflects design plans as of December 2019. Findings and conclusions presented in this document would need to be reevaluated to address future alterations in design.

Chapter 3 – Results: Environmental Setting

This chapter describes the environmental setting of the BSA, including the area's topography, soils, vegetation, watercourses, level of human or natural disturbance, and ecological context within the region.

The project area is located within the North Coast Province of the CDFW State Wildlife Action Plan (CDFW 2015). This province is located along the Pacific Coast between the California-Oregon border and the San Francisco Bay watershed to the south (CDFW 2015). The eastern boundary includes the Cascade Range along the northern portion of the province and the transition to the Sacramento Valley along the southern portion.

The coastal mountain ranges within the province are aligned somewhat parallel to the Pacific Ocean and range in elevation up to about 7,500 feet above sea level (CDFW 2015). The climate varies considerably across the province. There are high precipitation levels and moderate temperatures in many coastal areas and dry conditions with rain shadow effects and more extreme temperatures in the inland valleys. Overall, the province has a fairly wet climate and receives more rainfall than any other part of the state, feeding more than ten river systems (CDFW 2015).

The North Coast Province vegetation consists predominantly of conifer and mixed-conifer forests dissected by chaparral stands, riparian forests, and wetlands (CDFW 2015). Valley and foothill grassland and woodland communities emerge along the central and southern eastern border of the province, while coastal wetlands and marshes appear along the coastline (CDFW 2015).

Perennial watercourses and intermittent creeks within the BSA are summarized in Table 3-1. There is also a vernal pool within the BSA.

Table 3-1: Named and Unnamed Creeks with New Crossings and Existing Crossings

Creeks with New Crossings (Trail Segment)	Creeks would cross the trail via existing infrastructure (Trail Segment)
Hirsch (Segment 3)	York (Segment 1)
Nash (Segment 5)	Mill (Segment 3)
Napa River (Segment 5)	Ritchey (Segment 4)
S1 (Segment 5)	
S2 (Segment 5)	

Physical Conditions

The Vine Trail Project is located at the northern end of the Napa Valley and is considered part of the Napa Valley Floor Evaluation Area (Jones and Stokes 2005). This area of the valley is on the northwest-trending Sonoma, Mayacama, and Howell Ranges with the valleys of the Napa River between these mountain ranges. Mount St. Helena is located eight miles northwest of the project area and rises up to 4,343 feet in elevation. The surrounding mountain ranges of Sonoma and Mayacamas are steep, with some moderately steep hills, and rise to elevations of around 2,000 feet. Streams in the Napa Valley have extensive floodplains that have been converted into agricultural uses, primarily vineyards. The northern portion of the project is higher in elevation (approximately 200-250 feet above mean sea level) and the project decreases in elevation in the south, toward the San Francisco Bay (the Bay).

The proposed project site is located within the eastern central portion of the Calistoga USGS topographic quadrangle and in the central western portion of the St. Helena topographic quadrangle, both of which are within Township 8 and 9 N and Range 6W.

Climate

Napa County has a Mediterranean climate, with distinct wet and dry seasons. Typically, 90 percent of the precipitation occurs between November and April. Precipitation varies significantly throughout the county, both in a north-south direction and with elevation. Storms approach the county both from the west, rising over the Mayacama Mountains before moving into the Napa Valley and beyond (Jones and Stokes 2005). The climate throughout the BSA is temperate with average daytime temperatures ranging from 57 – 90°F. The rainy season is typically from November to March and yields 36 inches of rain per year.

Hydrology

Located on the west side of the Napa River, the upper portion of the Napa River Watershed has a drainage basin of 50.2 square miles (NCRCD 2002), and several ephemeral drainages flow into the Napa River in the general vicinity of the proposed project site. The proposed project overlaps with several drainages as noted above, and all these drain from the west to the east into the Napa River. In the northern

portion of the project, the perennial Napa River drains from north to south into the San Francisco Bay.

Soils

Soil map units mapped for Napa County in the BSA consist of mainly of clay loams, as derived from the Soil Survey of Napa County, California (USDA 1978) and include the following:

- Bale clay loam, 0 to 2 percent slopes;
- Bale clay loam, 2 to 5 percent slopes;
- Bale loam, 0 to 2 percent slopes;
- Perkins gravelly loam, 1 to 10 percent slopes;
- Perkins gravelly loam, 5 to 9 percent slopes;
- Riverwash;
- Cortina very gravelly loam, 0 to 5 percent slopes, moist;
- Hambright rock-Outcrop complex, 30 to 75 percent slopes;
- Pleasanton loam, 0 to 2 percent slopes;
- Pleasanton loam, 2 to 5 percent slopes;
- Aiken loam, 2 to 15 percent slopes;
- Boomer gravelly loam, volcanic bedrock, 11 to 43 percent slopes;
- Forward silt loam, 12 to 57 percent slopes;
- Boomer-Forward-Felta complex, 30 to 50 percent slopes; and
- Forward silt loam, 5 to 39 percent slopes.

Detailed soil information was gathered in a wetland delineation report. The report contains location information about sensitive resources and is confidential. Only four soils, Bale loam 0 to 2 percent slopes; Bale clay loam 2 to 5 percent slopes, Perkins gravelly loam, 1 to 10 percent slopes, and Pleasanton loam, 0 to 2 percent slopes occur in areas mapped as potential wetlands. Riverwash is mapped for the Napa River area. These soils series are further described below and in the Soil Survey of Napa County, California (USDA 1978).

Bale series soils consist of somewhat poorly drained soils that occur on alluvial fans, flood plains and low terraces. Elevation range from 100 to 300 feet. These soils formed in alluvium derived from rhyolite and basic igneous rock.

Perkins series soils consist of well-drained soils on terraces. These soils can be found at elevations ranging from 150 to 1,500 feet. These soils formed from alluvium derived from igneous rock.

Pleasanton series soils consist of well-drained soils on alluvial fans with slopes from 0 to 5 percent. These soils formed in alluvium derived from sedimentary rock.

Riverwash soils are mapped for areas in active stream channels, on floodplains and in adjacent drainage ways. Slopes range from 0 to 5 percent and occur in elevations ranging from 200 to 1,500 feet. These areas are inundated during periods of water flow and are subject to constant deposition and removal of material.

BIOLOGICAL CONDITIONS IN THE BIOLOGICAL STUDY AREA

Vegetation Communities

The majority of the trail alignment is within and adjacent to existing vineyards, wineries and associated landscaped vegetation. The BNVSP supports relatively undisturbed stands of coast live oak woodland. The coast live oak woodland community within BNVSP also includes some conifers, such as foothill (grey) pine (*Pinus sabiniana*) and Douglas fir (*Pseudotsuga menziesii*). A variety of oak trees and a patch of native coast redwoods (*Sequoia sempervirens*) also occur along SR 29 adjacent to the vineyards. Most of the areas identified as landscaping are planted with non-native and ornamental tree and shrub species.

As mentioned in Chapter 2, where applicable, vegetation communities were described using *The Manual of California Vegetation* (Sawyer et. al. 2008). Ten vegetation community types were mapped within the project site: 1) seasonal wetlands that include one vernal pool vegetation community and several wetland ditches; 2) *Quercus agrifolia* woodland alliance or coast live oak woodland; 3) *Quercus agrifolia* woodland riparian or coast live oak riparian; 4) *Quercus lobata* woodland alliance or valley oak woodland; 5) *Quercus lobata* woodland riparian valley oak woodland riparian; 6) *Quercus* (*agrifolia, kelloggii, lobata*) alliance or mixed oak woodland riparian; 7) *Quercus douglasii* woodland alliance or blue oak woodland; 8) *Salix laevigata* woodland alliance/red willow thickets/willow riparian; 9)

vineyards/non-native grassland (including ruderal/weedy areas); and 10) landscaped areas with non-native grassland. Areas that were mapped as developed generally lack vegetation and include paved areas and parking lots. Developed areas are not an official vegetation type. The vegetation communities that were observed within each trail segment are identified in Table 3-2.

Table 3-2 Vegetation Communities per Segment – Napa Valley Vine Trail BSA.

Trail Segment	Vegetation Communities
1	Mixed oak riparian along York Creek
1	Seasonal wetland drainages
1	Vineyards
1	Landscaped areas (with olives)
1	Non-native grasslands
1	Developed areas, including roads
2	Landscaping (with redwood trees; cottonwood)
2	Vineyard
2	Developed areas.
3	Coast live oak trees
3	Blue oak woodland
3	Vernal pool seasonal wetland
3	Mill Creek with coast live oak riparian
3	Seasonal wetland drainages
3	Vineyards
3	Orchard
3	Non-native grassland
3	Landscaping
3	Developed areas (roads)
4	Seasonal wetland drainages
4	Coast live oak woodland with pine and Douglas fir
4	Vineyards
4	Non-native grassland
4	Landscaping
4	Developed areas (parking lot and pathway)
5	Ritchey Creek with coast live oak riparian with some pine
5	Vineyards
5	Landscaping

Trail Segment	Vegetation Communities
5	Seasonal wetland drainages
5	Non-native grassland
5	Willow riparian at Peterson Drive
5	Nash Creek with mixed oak woodland riparian (valley and coast live oak)
5	Valley oak riparian along S2 unnamed drainage canal
5	Napa River with coast live oak riparian
5	Landscaping with sycamore trees
5	Vineyard
5	Landscaping
6	Landscape trees
6	Developed areas

Habitat types, extent and location within the BSA are shown in Appendix A, Figures 3A-J.

***Seasonal Wetlands*:** Areas mapped as seasonal wetlands include several roadside drainage ditches that met the three criteria for being mapped as a wetland which includes a dominance of wetland or hydrophytic plants, presence of wetland soils and presence of wetland hydrology. Soils were considered hydric if they had the presence of redox features such as mottles and met the criteria established in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (*Version 2.0* (USACE 2008). Wetland plants observed within the BSA include water plantain (*Alisma trivale*); tall flatsedge (*Cyperus eragrostis*); mannagrass (*Glyceria occidentalis*); rabbitsfoot grass (*Polypogon monspeliensis*); ryegrass (*Festuca perennis*); spike rush (*Eleocharis macrostachya*); pennyroyal (*Mentha pulegium*); curly dock (*Rumex crispus*); hyssop loosestrife (*Lythrum hyssopifolia*); and in very wet areas, water plantain (*Alisma trivale*). Further discussion of these wetlands occurs below under Waters of the U.S. and State.

Seasonal wetlands also include a large vernal pool that occurs on private property within the BSA. Vernal pool vegetation communities occur in relatively flat to slightly sloping grasslands. Micro-topographical relief in vernal pools is typically hummocky, with mounds intervening between localized depressions. Vernal pools typically have a restrictive soil layer 12 to 18 inches or greater below the surface which allows water to pond for prolonged periods of time. These conditions contribute to a unique hydrology. Winter rainfall perches on the hardpan, if present, forming pools in the depressions and evaporation (not runoff) empties the pools in the spring.

Many plants and animals have adapted to survive and persist in vernal pools and many species occur only in this habitat type. Vegetation is typically low and dominated by annual herbs and grasses. Germination and growth of seedlings begins with the onset of winter rains, often continuing even when inundated. As temperatures rise in the spring, water in the pools begins to evaporate, sometimes leaving concentric bands of vegetation that noticeably encircle the drying pool (Holland 1986). The vernal pool wetland in the BSA occurs as a large seasonal wetland swale associated with a drainage. Soils in this area are mapped as Perkins gravelly loam, 1 to 10 percent slopes. This soil type does not have a restrictive layer, but the hydrology and vegetation within the area are consistent of a vernal pool community.

The location of this vernal pool seasonal wetland is not mapped because it supports a population of Sebastopol meadowfoam (*Limnanthes vinculans*), a state and federally-listed species. Other plant species observed here include obligate to facultative wetland plants, including swamp monkeyflower (*Mimulus guttatus*); watercress (*Nasturium officinale*); spike rush; brown-headed rush (*Juncus phaeocephalus*); iris-leaved rush (*Juncus xiphioides*); slender rush (*Juncus tenuis*); wild hyacinth (*Dichelostemma multiflorum*); western buttercup (*Ranunculus occidentalis*); blue-eyed grass (*Sisyrinchium bellum*) and teasel (*Dipsacus fullonum*). The area also supports a large population of a non-wetland species, narrow-leaved mule's ears (*Wyethia angustifolia*). The wetland vegetation observed is consistent with species that occur in vernal pools and for the purposes of this project, this area was mapped as a vernal pool, which is a special status community type.

Quercus agrifolia Woodland Alliance or Coast Live Oak Woodland: Coast live oak woodland was the dominant woodland type observed within areas outside vineyards or landscaped areas within the BSA. The dominant tree species observed was coast live oak. Other oak species observed include valley oak (*Quercus lobata*); Oregon oak (*Quercus garryana*); black oak (*Quercus kelloggii*) and interior live oak (*Quercus wislizeni*). A few blue oaks (*Quercus douglasii*) were also observed within the proposed trail alignment.

Beyond oak trees, within BNVSP, there are also stands of conifer species including foothill (grey) pine and Douglas fir (Appendix A, Figure 3 E-F). Other tree species noted include California buckeye (*Aesculus californica*); California bay laurel (*Umbellularia californica*) and madrone (*Arbutus menziesii*). Understory shrubs and vines observed include common manzanita (*Arctostaphylos manzanita* ssp.

Manzanita; A. m. ssp. *Glaucescens*); toyon (*Heteromeles arbutifolia*); poison oak (*Toxicodendron diversilobum*); snowberry (*Symporicarpos* spp.); California pipe vine (*Aristolochia californica*) and honeysuckle (*Lonicera hispidula*).

A variety of native and non-native grasses and forbs were also observed within the park. Native grasses observed include California fescue (*Festuca californica*); oniongrass (*Melica californica*); blue wildrye (*Elymus glaucus*) and purple needle grass (*Stipa pulchra*). Native forbs observed include blue dicks (*Dichelosemma capitatum*); golden fairy lantern (*Calochortus amabilis*); miner's lettuce (*Claytonia perfoliata*); California poppy (*Eschscholzia californica*) and tarweeds (*Madia gracilis, M. elegans*).

***Quercus agrifolia Woodland Alliance or Coast Live Oak Woodland Riparian*:** Vegetation communities along creeks and drainages are considered to be riparian communities. Coast live oak woodland riparian vegetation occurs along Hirsch Creek, Mill Creek, Ritchey Creek, and Nash Creek. York Creek and the Napa River support a mixed oak woodland riparian vegetation as these creeks include other riparian trees not observed in areas mapped as coast live oak riparian (Appendix A, Figure 3-A and 3-I). The trees and shrub species observed along York Creek and the Napa River are similar to those observed in coast live oak woodlands. Areas mapped as riparian are those associated with the bank to top of bank of major creeks within the trail alignment.

Quercus lobata Woodland Alliance or Valley Oak Woodland: Eight small areas of valley oak woodland (Appendix A, Figures 3A, 3C, 3D, 3H and 3I) that consist of stands of more than 3 valley oaks were mapped within the BSA. These areas were mapped because these areas provide important habitat for wildlife species in terms of nesting habitat for birds and potential roosting habitat for bats. These areas were considered to be remnant stands of valley oak based on larger stands within +/- 50 to 500 feet of the trail alignment. Valley oak was the dominant tree species observed within these areas. These woodlands also support a non-native grassland understory. Valley oak woodland has a rank of S3 (Sawyer et. al. 2008). Natural Communities with ranks of S1-S3 are considered Sensitive Natural Communities to be addressed in the environmental review processes of CEQA and its equivalents (CDFW 2020).

***Quercus lobata Woodland Alliance or Valley Oak Woodland Riparian*:** One area was mapped as a valley oak woodland riparian because it occurs along a drainage

feature mapped as a waters of the U.S. and state. This vegetation type was mapped along the drainage canal feature located adjacent to Twomey Cellars at PM 35.279, just south of Dunaweal Lane (Appendix A, Figure 3I). Tree species observed at this location were valley oak, willows and coast live oak. This type has the same S3 ranking as a sensitive natural community type.

***Quercus (agrifolia, kelloggii, lobata) Alliance or Mixed Oak Woodland Riparian*:** The mixed oak woodland riparian has a combination coast live oak, valley oak and black oak without one being dominant (Sawyer et. al. 2008). This community was mapped along the Napa River and York Creek as these riparian communities include other riparian trees such as Oregon ash (*Fraxinus latifolia*), alder (*Alnus rhombifolia*), big leaf maple and willow (*Salix* spp.) (Appendix A, Figures 3-A and 3-I). Non-native Himalayan blackberry (*Rubus armeniacus*) was frequently observed along the creek banks and the banks of both watercourses have pockets of riprap or concrete armoring along their banks.

***Quercus douglasii Woodland Alliance or Blue Oak Woodland*:** Blue oak woodland vegetation was observed and mapped along SR 29 in Segment 3. This woodland community appears to be a remnant oak woodland (Appendix A, Figure 3-C). The dominant species observed was mature blue oaks with a non-native grassland understory.

***Salix laevigata Woodland Alliance/Red Willow Thickets/Willow Riparian*:** Willow riparian vegetation was observed and mapped along a drainage at Peterson Drive (Appendix A, Figure 3-G). Red willow (*Salix laevigata*) was observed at this location.

***Vineyards/Non-Native Grassland*:** The Vine Trail BSA and proposed trail alignment are dominated by vineyards; these areas are planted with a variety of wine grapes (*Vitis vinifera*). The vineyards themselves are meticulously maintained with an understory of herbaceous plants that is frequently mowed or removed at least once per year. The herbaceous understory through the Vine Trail BSA is comprised of weedy, non-native grasses including ryegrass (*Festuca perennis*); ripgut brome (*Bromus diandrus*); soft chess (*Bromus hordaeceus*); hare barley (*Hordeum murinum* ssp. *Leporinium*); wild oats (*Avena barbata, A. sativa*); Harding grass (*Phalaris aquatica*) and rattail fescue (*Festuca myuros*). Non-native forbs include filarees (*Erodium botrys, E. cicutarium*); field marigold (*Calendula arvensis*); chicory (*Cichorium intybus*); Queen Anne's lace (*Daucus carota*); fennel (*Foeniculum vulgare*); rough cat's-ear (*Hypochaeris radicata*); wild radish (*Raphanus sativus*);

mallow (*Malva* sp.); bur clover (*Medicago polymorpha*); vetch (*Vicia* spp.); prickly lettuce (*Lactuca serriola*) and English plantain (*Plantago lanceolata*) and yellow star thistle (*Centaurea solstitialis*).

***Landscaped/Non-Native Grassland*:** Landscaped areas within the BSA occur within developed areas that include wineries and/or other buildings. Native oak, Fremont cottonwood (*Populus fremontii*), California black walnut (*Juglans californica*) and coast redwood (*Sequoia sempervirens*) were observed within landscaped areas in the BSA. Non-native ornamental species such as palm (*Arecaceae* spp.); American sycamore (*Platanus occidentalis*); eucalyptus (*Eucalyptus* spp.); Monterey pine (*Pinus radiata*); elms (*Ulmus* spp.); spruce (*Picea* sp.); oleander (*Nerum oleander*); acacia (*Acacia* sp.); olive (*Olea europea*); blue gum (*Eucalyptus* sp.) and Mediterranean cypress (*Cupressus sempervirens*) were also observed. Non-native grassland vegetation occurs as understory or in open areas adjacent to the highway.

***Developed Areas*:** Developed areas within the BSA occur as paved areas such as driveways and parking lots and generally lack vegetation.

Wetlands and Waters of the U.S and State

Wetland and waters of the U.S. and State are defined in Chapter 2 and a delineation of waters of the U.S. within the BSA was completed. This report is not appended to the report to protect the location of sensitive resources. The proposed project would cross the following named creeks, from the south to the north: York Creek, Hirsch Creek, Mill Creek, Ritchey Creek, Nash Creek and the Napa River. There are also numerous roadside drainage ditches and two unnamed drainage canals identified as S1 and S2. The drainages in the project vicinity are fed by surface flow runoff from Spring Mountain in the west and many drainages cross under SR 29. Several of the roadside drainage ditches also support wetland vegetation and have been mapped as wetland drainages. One vernal pool seasonal wetland was observed in the BSA that supports vernal pool wetland plant species.

York Creek, located near Pratt Avenue (Appendix A, Figure 3-A), is a perennial creek that is around 15 feet wide at the OHWM with a cobblestone bed. The creek has a riparian corridor with 70 to 80% canopy cover and is comprised of a mixed oak woodland riparian vegetation.

Hirsch Creek is located north of Ehlers Lane (Appendix A, Figure 3-D). On the west side of SR 29, Hirsch Creek is classified as an intermittent creek. On the east side of

SR 29, within the BSA, this section of Hirsch Creek is classified as a canal-based waterway according to the USGS National Hydrography Dataset. Within the BSA, east of SR 29, this creek has a much reduced riparian canopy cover. The canopy is comprised of a few tree species, including Northern California black walnut (*Juglans hindsii*), valley oak and coast live oak. Within the BSA the creek is an ephemeral drainage that is cobble-lined with no wetland vegetation in the channel. The creek is channelized at this location with cement walls and is approximately 5 feet wide at the OHWM through the BSA.

Mill Creek, located near Bale Grist Mill (Appendix A, Figure 3-E), is a perennial creek that is approximately 20 feet wide at the OHWM with a boulder creek bed within the BSA. The Mill Creek riparian corridor is comprised of mostly coast live oak trees with a canopy cover that is near 100%. The upper reaches (on the west side of SR 29) of the 1,420-acre Mill Creek Watershed supports high and medium densities of juvenile steelhead in several reaches (CEMAR 2013).

While Ritchey Creek flows through BNVSP (Appendix A, Figure 3-F), it is culverted for its entire length is within the BSA.

S1 is an unnamed drainage located across from Peterson Drive north of BNVSP that is 4 feet wide at the OHWM. This drainage has a willow riparian cover and is an ephemeral to intermittent drainage mapped as a waters of the U.S. and State.

Nash Creek is approximately 20 feet wide at the OHWM (Appendix A, Figure 3-G). Within the BSA, the creek is a cobble-lined intermittent drainage with an oak woodland canopy including two large and mature oaks adjacent to the proposed trail.

S2 is an unnamed drainage located just south of Dunaweal Lane near Twomey Vineyards and is 5 feet wide at the OHWM. This drainage has a valley oak woodland riparian canopy cover and is an intermittent drainage mapped as a waters of the U.S. and State.

The Napa River is a perennial river and runs through a portion of the BSA (Appendix A, Figure 3-I). The Napa River through the project area is estimated to be 45 feet wide at the OHWM. The riparian corridor of Napa Creek within the BSA is considered to be mixed oak woodland riparian woodland and has a canopy cover of 70 to 80%. The distance from top of bank to top of bank is estimated at 100 feet.

The mapped vernal pool within the BSA would also be considered a waters of the U.S. and State.

Table 3-3 identifies the vegetation communities in the vicinity of each creek crossing.

Table 3-3: Vegetation Communities Present within the Named and Unnamed Creeks

Drainage	Adjacent Vegetation Community
York Creek	Mixed oak riparian woodland
Hirsch Creek	Coast live oak riparian woodland
Mill Creek	Coast live oak riparian woodland
Nash Creek	Mixed oak riparian woodland
Ritchey Creek	Mixed oak riparian woodland
Napa River	Coast live oak riparian woodland
S1 (unnamed)	Willow riparian woodland
S2 (unnamed)	Valley oak riparian

Several wetland drainages were also mapped as part of the delineation for the BSA and are labeled as W-1 through W-12. These drainages vary in width from 1 to 3 feet wide at the OHWM. Some are deeply incised, while some are shallow. Table 3-4 identifies the approximate location and vegetation type.

Table 3-4: Vegetation Communities in Wetland Drainages – Napa Vine Trail BSA

Drainages	Approximate Location	Vegetation Community
W1	Adjacent to Fair Way Path Extension near Lincoln Avenue near Gerard Street	Disturbed seasonal wetland
W2	Adjacent to Fair Way Path Extension at east end of Earl Street	Wetland with cattails and bulrushes
W3	Near PM 40.965 across from Azalea Springs Way	Seasonal wetland with vineyards, landscaping, oaks along SR 29
W4	Near PM 34.734 across from Heitz Way	Seasonal wetland with landscaping
W5	Near PM 34.493 just south of Heitz Way and W4	Seasonal wetland with landscaping
W6	Located on State of California Cal Fire property, north of Big Tree Lane near PM 32.579	Seasonal wetland drainage
W7	Located on Cal Fire property, north of Big Tree Lane near PM 32.571	Seasonal wetland drainage
W8	Located on private property	Vernal pool/seasonal wetland
W11	Located adjacent and south of Deer Park Rd	Seasonal wetland drainage

Drainages	Approximate Location	Vegetation Community
	near PM 30.043	
W12	Located south of entrance to Krug Winery near PM 29.844	Seasonal wetland drainage

Invasive Species

Invasive plant species within the BSA are defined as species of plants included on lists prepared by the California Department of Food and Agriculture (CDFA) and the California Invasive Plant Council (Cal-IPC) as described in Chapter 2. The BSA contains plant species considered to be invasive species of varying severity. A list of CDFA and Cal-IPC ranked invasive plant species observed in the BSA during field surveys is provided in Chapter 4.

Wildlife Habitats

The value of a site to wildlife is influenced by a combination of the physical and biological features of the immediate environment. Species diversity is a function of diversity of abiotic and biotic conditions and is greatly affected by human use of the land. The quality of wildlife habitat of an area, therefore, is ultimately determined by the type, size, and diversity of vegetation communities present and their degree of disturbance. Wildlife habitats are typically distinguished by vegetation type, with varying combinations of plant species providing different resources for use by wildlife. As described in Chapter 2, these habitats are based on *A Guide to Wildlife Habitats of California* (Mayer and Laudenslayer 1988).

Freshwater emergent wetland: This transitional habitat occurs between terrestrial and aquatic systems where water tables are near the surface or land is covered by shallow water (Mayer and Laudenslayer 1988). Linear features, such as drainage ditches, can provide movement corridors between water bodies after the winter rains have ceased. The large vernal pool vegetation community observed on private property is classified as a freshwater emergent wetland wildlife habitat and did not appear to support any pooling water; rather it was a surface flow that was shallow. Amphibian species potentially using the fresh emergent wetland include the Pacific chorus frog (*Pseudacris regilla*) and western toad (*Bufo boreas*). Aerial foraging species that hunt over marshy areas that support winged insects include various swallow species, such as tree swallows (*Tachycineta bicolor*) and bat species, such as myotis (*Myotis* sp.).

***Coastal Oak Woodland*:** The coastal oak woodlands (Mayer and Laudenslayer 1988) in the project area may provide habitat for a variety of species, including amphibians, such as the Pacific slender salamander (*Batrachoseps attenuatus*) and arboreal salamander (*Aneides lugubris*); foraging and nesting habitat for passerines and roosting habitat for bats. Smaller passerines, such as chestnut-backed chickadee (*Poecile rufescens*), bushtit (*Psaltriparus minimus*); oak titmouse (*Baeolophus inornatus*) and acorn woodpecker (*Melanerpes formicivorus*) observed onsite, may nest and forage in the woodlands, feeding on insects found in bark.

Species observed nesting in the BSA include spotted towhee (*Pipilo maculatus*); dark eyed junco (*Junco hyemalis*) and California towhee (*Melozone crissalis*). Oak trees provide potential nesting habitat for tree swallows (*Tachycineta bicolor*) and Cooper's hawk (*Accipiter cooperii*).

Several of the trees were of a diameter large enough to support roosting bats species, including long-eared myotis (*Myotis evotis*), long-legged myotis (*Myotis volans*), Yuma myotis (*Myotis yumanensis*), California myotis (*Myotis californicus*), big brown bat (*Eptesicus fuscus*), red bat (*Lasiurus blossevillii*), silver-haired bat (*Lasionycteris noctivagans*) and pallid bat (*Antrozous pallidus*).

Valley Foothill Riparian: The Valley Foothill Riparian (Mayer and Laudenslayer 1988) areas provide nesting habitat and a high diversity of insects that is attractive to a variety of migratory birds. Birds that forage for insects in the leaves of plants and observed during the surveys include Bewick's wren (*Thryomanes bewickii*); and bushtit. Bark-insect foraging species, such as downy woodpecker (*Picoides pubescens*); Nuttall's woodpecker (*Picoides nutallii*); oak titmouse and white-breasted nuthatch (*Sitta carolinensis*) forage for insects in the bark of trees and were also observed during the surveys. There are a few species that are adapted to foraging for insects in flight, such as black phoebe (*Sayornis nigricans*), and tree swallows (*Tachicyneta bicolor*) that were observed in the project area at Mill Creek. Generalist omnivores like the scrub jay (*Aphelocoma caerulescens*) and European starling (*Sturnus vulgaris*) were also observed in the BSA. California quail (*Callipepla californica*) and California towhee were also commonly observed in riparian areas.

***Riverine*:** The Napa River falls into the riverine wildlife habitat type (Mayer and Laudenslayer 1988). The Napa River and its tributaries support a diverse community of native fishes including two salmonid species: Central California Coast (CCC) steelhead (*Oncorhynchus mykiss*) and Chinook salmon (*Oncorhynchus*

tshawytscha), both federally listed. The entire Napa River hydrologic area is within the larger San Pablo Bay Hydrologic Unit EFH for Chinook salmon and all life stages are protected (NMFS 2014). However, not all creeks provide suitable habitat. Napa River does provide suitable habitat, but recent genetic studies show that Chinook salmon do not occur in the Napa River (Garza and Crandall 2013). There are no Habitat Areas of Particular Concern at this location, and although there is EFH, it is not protected from fishing.

Annual Grasslands: Typically, non-native annual grasslands provide nesting and foraging for several wildlife species and can function as a movement corridor for wildlife (Mayer and Laudenslayer 1988). However, the majority of non-native grasslands are associated with the shoulder of SR 29 or vineyards and little to no wildlife habitat is present. In areas that are close to undeveloped areas, such as the fresh emergent wetland on private property, sign of Botta's pocket gopher (*Thomomys bottae*) were observed.

Vineyard**:** Vineyards provide a limited amount habitat value to wildlife, largely due to intensive farming practices (Mayer and Laudenslayer 1988). However, riparian corridors within vineyards can support a diversity of wildlife species. Native species that have been detected using riparian corridors that flow through vineyards include striped skunk (*Mephitis mephitis*); raccoon (*Procyon lotor*) and gray fox (*Urocyon cinereoargenteus*). Small mammals, such as rodents, forage on the leaves and grasses of vineyards and orchards and, in turn, may attract small predators, such as hawks or feral cats. Signs of non-native mammalian predators (e.g. scat) were detected in the BSA including opossum (*Didelphis virginiana*); domestic cat (*Felis catus*) and domestic dog (*Canis familiaris*).

Culvert Crossings and Bridges: The Napa River Bridge on Dunaweal Lane provides an active night roost for several species of bats, including Yuma myotis and pallid bat. Activity was observed primarily on the east side, although some individuals were observed on the west side of the bridge. There appeared to be crevices suitable for a maternity roost on the west side of the bridge.

Individual Trees**.** Along the proposed pathway are individual trees, including valley oaks, American elm, sycamore and walnuts that range in diameter at breast height from 6 to 20 inches. Both birds and bats may use individual trees for nesting or roosting. Typically, if trees are senescent or have been damaged, they create habitat in the form of cavities, crevices or peeling bark. Bird species that are cavity nesters

observed in the BSA include Northern flicker (*Colaptes auratus*); Bewick's wren; woodpeckers (*Melanerpes formicivorus, Picoides villosus, Picoides pubescens, Picoides nuttallii*); violet-green swallow; tree swallow; white-breasted nuthatch; brown creepers (*Certhia americana*); western bluebirds (*Sialia mexicana*); oak titmouse and chestnut-backed chickadee.

Bats that use trees fall into three categories; 1) solitary, obligate tree-roosting bats that roost in the foliage or bark such as Western red-bat (*Lasiurus blossevillii*), an SSC species, or hoary bat (*Lasiurus cinereus*); 2) frequent tree-roosting bats that form colonies of varying size in tree cavities, such as silver-haired bats (*Lasionycteris noctivagens*); and 3) more versatile bat species that will use a wide variety of roosts from buildings to bridges to trees; examples include various *Myotis* species and the pallid bat, also an SSC. There is potential that several of the trees may provide roosting habitat for small colonies of bats. Nesting birds may also use the trees within the project area.

Appendix B contains a complete list of animals observed within the BSA during surveys.

Movement Corridors

Wildlife movement includes migration (i.e., usually one way per season), inter-population movement (i.e., long-term genetic flow) and small travel pathways (i.e., daily movement corridors within an animal's territory). While small travel pathways usually facilitate movement for daily home range activities such as foraging or escape from predators, they also provide connection between outlying populations and the main corridor, permitting an increase in gene flow among wildlife populations.

These linkages among habitat types can extend for miles between primary habitat areas and occur on a large scale throughout California. Habitat linkages facilitate movement among populations located in discrete areas and populations occupying larger patches of habitat. The mosaic of habitats found within a large-scale landscape results in wildlife populations that consist of discrete sub-populations comprising a large single population, which is often referred to as a meta-population. Even where patches of pristine habitat are fragmented, such as occurs with coastal scrub, the movement between wildlife populations is facilitated through habitat linkages, migration corridors and movement corridors. Depending on the condition of the corridor, gene flow between populations may be high in frequency, thus allowing high genetic diversity within the population, or may be low in frequency. Low frequencies

of gene flow may lead to complete isolation and, if pressures are strong, potential extinction (McCullough 1996; Whittaker 1998).

As described in the *California Essential Connectivity Project* (Spencer, et al. 2010), the study area is in the North Coast Ecoregion (Spencer et al. 2010). The natural drainages in the area (e.g., York Creek, Mill Creek, Ritchey Creek, Hirsch Creek and Nash Creek) flow southeast into the Napa River and south into the Carquinez Bay and into the Pacific Ocean. The study area is located in an Essential Connectivity Area (ECA) (#39) (defined as areas that are essential for ecological connectivity between Natural Landscape Blocks [relatively intact tracts of land that support biodiversity]) (Spencer et al. 2010). This ECA connects the east side of the Coast Ranges with the western portion of Marin along the San Pablo Bay (Spencer et al. 2010). Lands within an essential corridor should be managed in ways that promote functional ecological connectivity among highly protected parks, wildlife reserves and wilderness areas (Spencer et al. 2010).

Wildlife connectivity from this site to other open lands in the area occurs for those animals that live in urban and semi-urban habitats, such as raccoon and opossum. Major barriers to movement of small wildlife species are SR 29 to the west and Silverado Trail to the east of the proposed trail.

Based on the California Fish Passage Assessment Database (PAD) (CalFish 2018), Mill Creek, Nash Creek, Hirsch Creek, and York Creek have “unknown passage” status. Barriers to the aquatic movements of fish include dams and improperly installed road culverts (CDFG 2010). There are no barriers to the movement of steelhead on the Napa River and the aforementioned creeks within the BSA, based on the PAD (CalFish 2018). Within the project area, Nash Creek and Hirsch Creek are ephemeral in the late summer and fall months. No habitat for steelhead or other aquatic species has been reported in Nash Creek, nor have any individuals been found (NCRCD 2012). Based on similar conditions in Hirsch Creek, which is ephemeral much of the year, steelhead, Chinook or other aquatic species are not expected to occur. York Creek, Mill Creek, Ritchey Creek and Napa River are perennial and are classified as critical habitat for steelhead and steelhead have been reported in all four creeks (NCRCD 2002). Fish generally do not occupy these streams until the onset of winter rains.

Barriers to the terrestrial movement of wildlife include those structures that impede such movements, such as large-scale development, or major highways with no

dedicated under or over crossings. Roads cause habitat fragmentation because they break large habitat areas into smaller habitat patches that support fewer individuals, which can increase the loss of genetic diversity and risk of local extinction. Additionally, roads may prevent access through direct mortality to essential physical or biological features necessary for breeding, feeding, or sheltering.

The portion of Napa County in which the project is proposed is an important part of the West Coast Pacific Flyway for passerines (perching birds) and raptors (birds of prey) migrating from summer breeding grounds to winter feeding grounds. Raptors migrating through this portion of Napa County include Cooper's hawk (*Accipiter cooperii*); sharp-shinned hawk (*Accipiter striatus*), red-shouldered hawk (*Buteo lineatus*); red-tailed hawk (*Buteo jamaicensis*) and American kestrel, among many others. Resident species include osprey, great-horned owl, barn owl (*Tyto alba*); western screech-owl (*Megascops kennicottii*) and saw-whet owl (*Aegolius acadicus*).

Regional Species and Natural Communities of Concern

Special status plant species are those species that are legally protected under FESA and/or CESA as listed or proposed for listing as threatened or endangered, as well as species that are considered rare by the scientific community. For example, the CNPS has identified some species as Rank 1 or 2 and may be considered rare or endangered pursuant to Section 15380(b) of the State CEQA Guidelines. CDFW has compiled a list of "Special Plants" (CDFW 2020), which include plants considered SSC. These designations are given to those plant species whose vegetation communities are seriously threatened. Although these species may be abundant elsewhere, they are considered to be at some risk of extinction in California. Although SSC are afforded no official legal status under FESA or CESA, they may receive special consideration during the planning stages of certain development projects and adverse impacts may be deemed significant under CEQA.

A total of 50 special status plant species have been reported as having a potential of occurring within the two topographic quadrangles St. Helena and Calistoga (CNDDB 2020) surrounding the project area. The following set of criteria has been used to determine each species' potential for occurrence within the BSA:

- **Present:** Species is known to occur on site, based on CNDDB records, and/or was observed onsite during field survey(s).

- **High**: Species is known to occur on or near the site (based on CNDDB records within 5 miles and/or based on professional experience) and there is suitable habitat onsite. However, the species was not observed during biological surveys conducted for this project.
- **Moderate/Low**: Species is known to occur in the vicinity of the site, but there is only marginal habitat present in the BSA. Alternatively, the species is not known to occur in the general project vicinity, but the site is within the species' range and there is suitable habitat onsite.
- **None**: There is no suitable habitat for the species onsite and/or the species was not observed during surveys assuming no presence and therefore not likely to occur

The list of sensitive plant species in Table 3-5 contains those species from the database searches completed for this project and that were evaluated for their potential to occur in the BSA. Species with habitats not found in the BSA, were considered to not have any potential to occur in the BSA. However, the surveys conducted included the blooming period for these species, so that they would have been detected should the species occur in the BSA. Table 3-5 also includes a determination about the potential for the project to affect federally listed species, if applicable.

Table 3-5: Special Status Plant Species with a Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale	Species Effects Determination
Astragalus claranus Clara Hunt's milk-vetch	FE/CT/1B	Openings in chaparral, cismontane woodland, valley and foothill grassland on serpentinite or volcanic, rocky or clay soils. Blooms March to May. Elevation: 75-275 m. Occurrence #7 from Bale Grist Mill State Historic Park (CNDDB 2020).	A	A	**None.** Typical habitat not present in BSA and species was not observed in the trail alignment.	No effect
Eryngium constancei Loch Lomond button-celery	FE/CE/1B	Volcanic ash flow vernal pools. Blooms April-June. Elevation: 460-855 m. Occurrence #2 from Diamond Mountain (CNDDB 2020)	A	A	**None.** No volcanic ash flow vernal pools within BSA. The project is below the elevational range of this species. Not observed during surveys.	No effect
Lasthenia burkei Burke's goldfields	FE/CE/1B	Meadows and seeps (mesic), vernal pools. April-June. Elevation: 15-600m. Occurrence #36 from near Calistoga Geyser, only sources is a 1929 Baker collection that needs field work (CNDDB 2019).	P	A	**None.** No species of *Lasthenia* were observed within the project study area during multiple surveys. Wetlands in the BSA do not support any species of *Lasthenia.*	No effect
Lasthenia conjugens Contra Costa goldfields	FE/-/1B	Cismontane woodland, playas (alkaline), valley and foothill grassland, vernal pools/ mesic. Blooms March-June. Elevation: 0-470m. No records from within 5 miles of the study area. This listing comes from a CNPS search of the Calistoga quad (CNPS 2020) with no specific location information.	A	A	**None.** Not observed during surveys. Typical habitat not present. No areas of alkaline soils within BSA.	No effect

Common Name ***Scientific Name***	**Status USFWS/ CDFW/CNPS**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Limnanthes vinculans Sebastopol meadowfoam	FE/CE/1B	Meadows and seeps, valley and foothill grassland, vernal pools/vernally mesic. April-May. Elevation: 15-305m. Recorded occurrence from the Calistoga quad (CNDDB 2020) outside of the project impact area.	P	P	**Present.** This species was observed in the wetland area on private property	May affect, not likely to adversely affect
Plagiobothrys strictus Calistoga popcornflower	FE/CT/1B	Meadows and seeps, valley and foothill grassland, vernal pools/alkaline areas near thermal springs. Blooms March-June. Elevation 90-160m. Recorded occurrences #2, 3 and 4 on Calistoga quad (CNDDB 2019) listed as sensitive, location suppressed.	A	A	**None.** Not observed during surveys. Typical habitat not present in study area. No alkaline areas near thermal springs within BSA.	No effect
Poa napensis Napa bluegrass	FE/CE/1B	Meadows and seeps, valley and foothill grassland/alkaline, near thermal springs. Blooms May-August. Elevation: 100-200m. Recorded occurrence near Calistoga (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not present in study area. No alkaline areas near thermal springs within the BSA.	No effect
Amorpha californica var. *napensis* Napa false indigo	-/-/1B	Broad-leafed upland forest (openings), chaparral, cismontane woodland; microhabitat is openings in forest or woodland or in chaparral. Blooms April-July. Elevation: 120-2000m. Multiple occurrences within 5 miles of the BSA (CNDDB 2020).	P	A	**None**. Not observed during surveys. This species has been recorded within BNVSP but was not observed within the BSA. This is a perennial species, easily identifiable by leaves even when not in flower. No individuals of this species were observed in the BSA. Potential habitat within the BSA does not appear to support this species.	n/a

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale	Species Effects Determination
Arctostaphylos stanfordiana ssp*. decumbens* Rincon Ridge manzanita	-/-/1B	Chaparral on rhyolitic soils and cismontane woodland. Highly restricted and endemic to red rhyolites in Sonoma County. Blooms February to April (sometimes May). Elevation: 75-370m. Occurrence #14 from west of Calistoga (CNDDB 2020).	A	A	**None**. Not observed during surveys. No habitat in BSA. No rhyolitic soils.	n/a
Astragalus breweri Brewer's milk-vetch	-/-/4	Meadows and seeps, valley and foothill grassland in open and often gravelly areas and often on serpentinite or volcanic soils. Blooms April-June. Elevation: 90-730m. Noted in occurrence #1 with *Poa napensis* WNW of Calistoga and in occurrence #50 for coastal and valley freshwater marsh at same location; occurrence #2 with *Plagiobothrys strictus*, location sensitive (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.	n/a
Astragalus clevelandii Clevelands's milk-vetch	-/-/4	Chaparral, cismontane woodland, riparian forest on serpentinite seeps. Blooms June-September. Elevation: 200-1500m. No recorded occurrences in CNDDB. This listing is from the CNPS search.	A	A	**None.** Not observed during surveys. No habitat in BSA. No serpentine seeps. No impact.	n/a
Brodiaea leptandra Narrow-anthered brodiaea	-/-/1B	Broad-leafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, valley and foothill grassland on volcanic soils. Blooms May to July. Elevation: 110-915m Multiple occurrences within data base search area including occurrence #38 from Bothe State Park (CNDDB 2020).	A	A	**None.** Not observed during surveys. There are known occurrences of this species in BNVSP but the plant was not observed within the BSA. The typical habitat is lacking in the BSA. No impact.	n/a

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale	Species Effects Determination
Calamagrostis ophitidis Serpentine reed grass	-/-/4	Chaparral (open, north-facing slopes), lower montane coniferous forest, meadows and seeps, valley and foothill grassland on serpentinite and rocky soils. Blooms April to July. Elevation: 90-1065m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not present in BSA.	n/a
Castilleja ambigua var. *ambigua* Johnny-nip	-/-/4	Coastal bluff scrub, coastal prairie, coastal scrub, marshes and swamps, valley and foothill grassland, vernal pools margins. Blooms March to August. Elevation: 0-435m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.	n/a
Ceanothus confusus Rincon Ridge ceanothus	-/-/1B	Closed-cone coniferous forest, chaparral, cismontane woodland on volcanic or serpentinite. Blooms February to June. Elevation: 75-1065m. Occurrence #37 from Spring Mtn. Rd (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.	n/a
Ceanothus divergens Calistoga ceanothus	-/-/1B	Chaparral on serpentinite or volcanic, rocky soils. Blooms February to April. Elevation 170-950m. Six recorded occurrences within data base search area between Calistoga and St. Helena (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentine soils in BSA.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW/CNPS**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Ceanothus purpureus Holly-leaved ceanothus	-/-/1B	Chaparral, cismontane woodland on volcanic, rocky soils. Blooms February to June. Elevation: 120-640m. Occurrence #35 from a 1981 record; occurrence #36 from west of Howell Mtn. (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.	n/a
Ceanothus sonomensis Sonoma Ceanothus	-/-/1B	Chaparral on sandy, serpentinite or volcanic soils. Blooms February to April. Elevation: 215-800m. Occurrence #29 from NW of Los Alamos School from 1932 collection needs fieldwork; occurrence #34 from E of Pope Valley (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.	n/a
Centromadia parryi ssp. *parry* Pappose tarplant	-/-/1B	Chaparral, coastal prairie, meadows and seeps, coastal salt marshes and swamps, valley and foothill grassland on vernally mesic, often alkaline sites. May-November. Elevation: 2-420m. Occurrence #14 from Tubbs Lane; occurrence #15 from near Calistoga airport (CNDDB 2020).	A	A	**None.** Not observed during surveys. No alkaline soils present onsite.	n/a
Clarkia breweri Brewer's clarki	-/-/4	Chaparral, cismontane woodland, coastal scrub, often on serpentinite. Blooms April to June. Elevation: 215-1115m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.	n/a
Clarkia gracilis ssp. *tracyi* Tracy's clarkia	-/-/4	Chaparral, openings, usually on serpentinite. Blooms April to July. Elevation: 65-650m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in study area. No chaparral or serpentinite in BSA.	n/a

Common Name *Scientific Name*	Status USFWS/ CDFW/CNPS	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale	Species Effects Determination
Collomia diversifolia Serpentine collomia	-/-/4	Chaparral, cismontane woodland on serpentinite, rocky or gravelly soils. Blooms May to June. Elevation: 300-600m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite in BSA.	n/a
Cordylanthus tenuis ssp. *brunneus* Serpentine bird's-beak	-/-/4	Closed-cone coniferous forest, chaparral, cismontane woodland usually on serpentinite. Blooms July to August. Elevation: 475-915m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite in BSA.	n/a
Delphinium uliginosum Swamp larkspur	-/-/4	Chaparral, valley and foothill grassland on serpentine seeps. Blooms May to June. Elevation: 340-610m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite seeps in BSA.	n/a
Erigeron biolettii Streamside daisy	-/-/3	Broadleafed upland forest, cismontane woodland, North Coast coniferous forest on rocky and mesic sites. Blooms June-October. Elevation 30-1100m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.	n/a
Erigeron greenei Greene's narrow-leaved daisy	-/-/1B	Chaparral on serpentinite or volcanic soils. Blooms May-September. Elevation: 80-1005m. Occurrence #5 from St. Helena, only source is an 1891 collection (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite in BSA.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW/CNPS**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Eryngium jepsonii Jepson's coyote-thistle	-/-/1B	Valley and foothill grassland, vernal pools on clay soils. Blooms April to August. Elevation: 3-300m. Occurrence #15 from Pope Canyon Rd (CNDDB 2020).	P	A	**None.** Not observed during surveys. Plants in the genus *Eryngium* are easily identifiable by leaves. No individuals in this genus were observed within the BSA. The potential habitat within the BSA does not appear to support this species. Soils in the vernal pool area are loamy soils and not clay soils.	n/a
Harmonia nutans Nodding harmony	-/-/4	Chaparral, cismontane woodland/rocky or gravelly, volcanic. Blooms: March-May. Elevation: 75-975m. Noted in occurrence #43 for *Lupinus sericatus* located SW of Calistoga and occurrence #44 at west of Diamond Mtn (CNDDB 200).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA.	n/a
Hesperolinon bicarpellatum Two-carpellate western flax	-/-/1B	Chaparral on serpentinite. Blooms May-July. Elevation: 60-1005m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** Not observed during surveys. No habitat in BSA – no chaparral or serpentinite.	n/a
Hesperolinon sharsmithiae Sharsmith's western flax	-/-/1B	Chaparral on serpentinite. Blooms May to July. Elevation: 270-300m. Occurrence #18 from Conn Valley; occurrence #19 from Las Posadas State Park; occurrence #20 from Okin Ranch (CNDDB 2020).	A	A	**None.** Not observed during surveys. No habitat in BSA – no chaparral or serpentinite.	n/a
Layia septentrionalis Colusa layia	-/-/1B	Chaparral, cismontane woodland, valley and foothill grassland/sandy, serpentinite. Blooms April-May. Elevation: 100-1095m. . Occurrence #17 from Howell Mtn (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat is not present in in study area BSA.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW/CNPS**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Leptosiphon jepsonii Jepson's leptosiphon	-/-/1B	Chaparral, cismontane woodland, usually volcanic. Blooms March to May. Elevation: 100-500m. Multiple occurrences east of the BSA (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat is not present in BSA.	n/a
Lessingia hololeuca Woolly-headed Lessingia	-/-/3	Broadleafed upland forest, coastal scrub, lower montane coniferous forest, valley and foothill grassland/clay, serpentinite. Blooms June-October. Elevation: 15-305m. Noted from occurrence near Tubbs lane (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat is not present in BSA.	n/a
Lomatium repostum Napa lomatium	-/-/4	Chaparral, cismontane woodland on serpentinite. Blooms March-June. Elevation: 90-830m. Noted from occurrence #36 for *Ceanothus purpureus* for near Bell Canyon Reservoir (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not in BSA. No serpentinite.	n/a
Lupinus sericatus Cobb Mountain lupine	-/-/1B	Broadleafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest. Blooms March-June. Elevation: 275-1525m. Multiple occurrences for Calistoga and St. Helena quadrangles (CNDDB 2020).	P	A	**None.** Not observed during surveys. This is a perennial species that would have been identifiable during the surveys but was not observed. The microhabitat for this species is in sands of knobcone pine-oak woodland on open wooded slopes in gravelly soils, sometimes on serpentine. This microhabitat is not present in the BSA.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW/CNPS**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Micropus amphibolus Mt. Diablo cottonweed	-/-/3	Broad-leafed upland forest, chaparral, cismontane woodland, valley and foothill grassland in rocky areas. Blooms March to May. Elevation: 45-825 m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	P	A	**None.** Not observed during surveys. Typical habitat not present in the BSA. Potential oak woodland and grassland habitat in the BSA but these habitats do not have the rocky substrate typically associated with this species.	n/a
Monardella viridis Green monardella	-/-/4	Broad-leafed upland forest, chaparral, cismontane woodland. June-September. Elevation: 100-1010m. Noted as occurring with *Ceanothus purpureus* in occurrence #36 from 4 corners (CNDDB 2020).	P	A	**None.** Not observed during surveys. Typical habitat not present in the BSA. Potential oak woodland habitat in the BSA but this species prefers steep slopes and rocky soils that are not present in the BSA.	n/a
Navarretia cotulifolia Cotula navarretia	-/-/4	Chaparral, cismontane woodland, valley and foothill grassland on adobe soils. Blooms May to June. Elevation: 4-1830 m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	P	A	**None.** Not observed during surveys. Typical habitat not present in the BSA. The woodland and grassland areas in the BSA lack adobe soils. No individuals in the genus Navarretia were observed in the BSA.	n/a
Navarretia leucocephala ssp. *bakeri* Baker's navarretia	-/-/1B	Cismontane woodland, lower montane coniferous forest, meadows and seeps, valley and foothill grassland, vernal pools/mesic. Blooms April to July. Elevation: 5-1740m. Occurrence #14 from near Calistoga from 1903 collection considered extirpated; occurrence #25 from Pope Valley (CNDDB 2020).	P	A	**None.** Not observed during surveys. No individuals of this genus or species were observed in the BSA and the seasonal wetland areas. The habitats in the BSA do not appear to support this species.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW/CNPS**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Penstemon newberryi var. *sonomensis* Sonoma beardtongue	-/-/1B	Chaparral on rocky soils. Blooms April to August. Elevation: 700-1370m. Occurrence #7 from TNC Cleary Reserve (CNDDB 2020).	A	A	**None.** No habitat in project area.	n/a
Puccinellia simplex California alkali grass	-/-/1B	Chenopod scrub, meadows and seeps, valley and foothill grassland, vernal pools/alkaline, vernally mesic, sinks, flats and lake margins. Blooms March to May. Elevation 2-930m. Occurrence #62 from N of Calistoga (CNDDB 2020).	A	A	**None.** No habitat in project area. Not observed during surveys.	n/a
Ranunculus lobbii Lobb's aquatic buttercup	-/-/4	Cismontane woodland, North Coast coniferous forest, valley and foothill grassland, vernal pools/mesic. Blooms February to May. Elevation: 15-470m. Noted in occurrence #11 for Northern Vernal Pool located near Pope Valley Rd (CNDDB 2020).	P	A	**None.** Not observed during surveys. No individuals of this genus or species were observed in the BSA and the seasonal wetland areas. The habitats in the BSA do not appear to support this species.	n/a
Senecio clevelandii var. *clevelandii* Cleveland's ragwort	-/-/4	Chaparral in serpentine seeps. Blooms June to July. Elevation: 365-900m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	A	A	**None.** No habitat in study area. Not observed during surveys.	n/a
Sidalcea hickmanii ssp. napensis Napa checkerbloom	-/-/1B	Chaparral on rhyolitic soils. Blooms April-June. Elevation: 415-610m. Occurrence #2 from near summit of Spring Mtn. Rd from a 1942 collection (CNDDB 2020).	A	A	**None.** Not observed during surveys. No habitat in study area.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW/CNPS**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Sidalcea oregana ssp. *hydrophila* Marsh checkerbloom	-/-/1B	Meadows and seeps, riparian forest/mesic. Blooms July-August. Elevation 1100-2300m. Occurrence #1 from Angwin, Howell Mtn. based on a 1888 and 1893 collections. Callizo (1982) report that habitat for this species has been destroyed in this area (CNDDB 2020).	A	A	**None.** Not observed during surveys. Typical habitat not present in BSA.	n/a
Spergularia macrotheca var. *longistyla* Long-styled sand-spurrey	-/-/1B	Meadows and seeps, marshes and swamps in alkaline soils. Blooms February to May. Elevation: 0-255m. Occurrence #19 from Calistoga airport; occurrence #20 near Myrtledale Rd and Tubbs Lane (CNDDB 2020).	A	A	**None.** No alkaline soils. Not observed during surveys.	n/a
Streptanthus hesperidis Green jewel-flower	-/-/1B	Chaparral (openings), cismontane woodland on serpentinite and rocky soils. Blooms May-July. Elevation: 130-760m. Occurrence #4 from N. edge of Las Posadas State Forest (CNDDB 2020).	A	A	**None.** Not observed during surveys. No serpentinite habitat in BSA.	n/a
Toxicoscordion fontanum Marsh zigadenus	-/-/4	Chaparral, cismontane woodland, lower montane coniferous forest, meadows and seep, marshes and swamps in vernally mesic areas, often on serpentinite. Blooms April to July. Elevation: 15-1000m. No CNDDB recorded occurrences. This listing is from the CNPS (2020) quad search.	P	A	**None.** Not observed during surveys. No individuals of this genus or species were observed in the BSA and the seasonal wetland areas. The habitats in the BSA do not appear to support this species.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW/CNPS**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Trichostema ruygtii Napa bluecurls	-/-/1B	Chaparral, cismontane woodland, lower montane coniferous forest, valley and foothill grassland, vernal pools. Blooms: June-October. Elevation: 30-680m. Occurrence #3 from Las Posadas State Forest (CNDDB 2020).	P	A	**None.** Not observed during surveys. No individuals of this genus or species were observed in the BSA and the seasonal wetland areas. This species is easily identifiable by the aromatic leaves. The habitats in the BSA do not appear to support this species.	n/a
Trifolium hydrophilum Saline clover	-/-/1B	Marshes and swamps, valley and foothill grassland (mesic, alkaline), vernal pools. April-June. Elevation: 0-300m. Occurrence #18 from Calistoga airport; occurrence #50 from Tubbs Lane (CNDDB 2020).	P	A	**None.** Not observed during surveys. There are no alkaline soils in the BSA that would support this species.	n/a
		Special Status Vegetation Communities				
Vernal Pool			P	**Present.** W8 – private property.		n/a
Valley Oak Woodland			P	**Present.** S2 waters of the US at Twomey Cellars property.		n/a

NOTES:

U.S. FISH AND WILDLIFE SERVICE

FE = federally listed Endangered
FT = federally listed Threatened

CALIFORNIA DEPT. OF FISH AND WILDLIFE

CE = California listed Endangered
CR = California listed as Rare
CT = California listed as Threatened

CALIFORNIA NATIVE PLANT SOCIETY

Rank 1B: Plants rare and endangered in California and elsewhere
Rank 2B: Plants rare and endangered in California but more common elsewhere
Rank 3: Plants about which more information is needed
Rank 4: Plants of limited distribution – a watch list

The majority of the project area occurs within established vineyards and wineries located along SR 29 and/or the Caltrans ROW. These areas are largely developed and disturbed and comprised of non-native, weedy plants or ornamental species planted for landscaping. Vineyards and ruderal habitat generally do not provide habitat for special status plant species, including the ones known to occur in the area. Within the BSA, York Creek, Mill Creek, Ritchey Creek and the Napa River have a native oak woodland canopy. Meanwhile BNVSP have relatively unaltered and native plant communities that are more likely to support special status plant species than disturbed areas.

Sebastopol meadowfoam was observed in a large, relatively pristine vernal pool type wetland vegetation community on private property. Most of this wetland occurs outside of the BSA and likely supports thousands of individuals of Sebastopol meadowfoam (LSA 2019). The trail has been sited to avoid impacts to this species.

The CNDDB shows two other nearby occurrences of the meadowfoam near the project area (CNDDB 2020) but not within the project impact area. The proposed trail is located on the east side of SR 29 at this location and based on observations completed for this report does not support suitable habitat and no meadowfoam was observed in this location. Meanwhile, the wetland drainages on the east side of SR 29 do not support the typical habitat for this species. The ditches are dominated by water plantain, which indicates these drainages have a longer hydroperiod than what is associated with the meadowfoam.

There are documented occurrences of other special status plant species near the project area, including within portions of BNVSP. These occurrences are outside the BSA. Species occurring in the general vicinity but outside the BSA include Napa false indigo (*Amorpha californica var. napensis*) and narrow-anthered brodiaea (*Brodiaea leptandra*). The CNDDB also has a record for Clara Hunt's milk-vetch (*Astragalus claranus*) near the project area but outside the BSA (CNDDB 2020). Lastly, there is a recorded occurrence for Calistoga ceanothus (*Ceanothus divergens*) located in the area but outside of the BSA and no species of *Ceanothus* were observed in the BSA.

Of the 14 special status animal species identified as potentially occurring in the vicinity of the project area, including those within a five-mile radius (CNDDB 2020),

several additional species were evaluated for their potential to occur within the study area (see Chapter 2).

Table 3-6 is a list of the 35 special status animal species evaluated for this project. The locations of those species that are reported in the project vicinity are identified with a description from the CNDDB, if known (2020). Several species are known to occur adjacent to the trail or have a high potential to occur within the BSA, and these species are discussed in Table 3-6 and evaluated further in Chapter 4. This document does not address impacts to species that may occur in the region but for which no habitat occurs on site.

Table 3-6: Special Status Animal Species with a Potential to Occur within the BSA

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale	Species Effects Determination
Syncaris pacifica California freshwater shrimp	FE/SE	Endemic to Napa, Sonoma and Marin Counties. Occurs in low elevation and low gradient streams with moderate to heavy riparian cover. Napa River between St Helena and Calistoga is an important area for California freshwater shrimp. Nearest occurrence is in Napa River upstream from Dunaweal Lane (CNDDB 2020).	P	P	**High**: suitable habitat present in Napa River. No work will occur in the Napa River drainage. AMMs prevent loss of habitat and prevent take of individuals.	May affect, not likely to adversely affect
Hypomesus transpacificus Delta smelt	FT/-	Sacramento-San Joaquin delta. Seasonally in Suisun Bay, Carquinez Strait & San Pablo Bay. Seldom found at salinities > 10ppt. Most often at salinities <2ppt.	A	A	**None**: no suitable habitat present.	No effect
Onchorhynchus mykiss steelhead - Central California Coast DPS	FT/SSC	Requires beds of loose, silt-free, coarse gravel for spawning. Also needs cover, cool water and sufficient dissolved oxygen. Napa River between St Helena and Calistoga is an important area for salmon spawning. Reported in York Creek, upstream of project site (CNDDB 2020)	P	P	**High**: suitable occupied habitat present in Napa River. No work will occur in the Napa River drainage. AMMs prevent loss of habitat and prevent take of individuals.	May affect, not likely to adversely affect
Onchorhynchus tshawytscha Chinook salmon - California Coastal ESU	FT	Spawn primarily in riffles at the downstream end of pools with appropriately sized gravel (1/2 inch to 3 inches), sufficient depth and nearby cover. In Napa River, spawning typically occurs in November and December with the onset of winter rains.	P	A	**Low**: Northern Napa River not part of the ESU. No work will occur in the Napa River drainage and species not thought to be present in Napa River through BSA.	No effect

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale	Species Effects Determination
Rana draytonii California red-legged frog	FT/ SSC	Prefers semi-permanent and permanent stream pools, ponds and creeks with emergent and/or riparian vegetation. Occupies upland habitat especially during the wet winter months. Nearest occurrence is within City of Calistoga in 1915 and Howell Mtn Road, SW of Pope Valley more than 5 miles east (CNDDB 2020).	A	A	**None**: no suitable habitat present. No work will occur in the Napa River drainage. Species not reported on the valley floor. No hydrologic connections to known occurrences to the east.	No effect
Strix occidentalis caurina northern spotted owl	FT, BCC/CT	Dense coniferous and hardwood forest, shaded, steep-sided canyons. Approx. 1.176 miles SW of project area (CNDDB 2020).	A	A	**None**: no suitable habitat present. Construction noise similar to ambient noise on SR 29 and in BNVSP. Construction to occur outside the nesting season in BNVSP.	No effect
Bombus calignosus Obscure bumblebee	-/-	Food plants include *Baccharis, Circium, Lupinus, Lotus, Grindelia* and *Phacelia*. Not reported within 5 mi (CNDDB 2020).	P	A	**Low**: Potential wetland habitat with foraging plants exist in BSA, however a lack of burrows and other habitat features results in low quality or unsuitable habitat	n/a
Bombus occidentalis Western bumblebee	-/SCE	Generalist foragers. They do not depend on any one flower type but they favor *Melilotus, Cirsium, Trifolium, Centaurea, Chrysothamnus, Eriogonum*. Historically occurred from the Pacific coast to the Rocky Mountains; severe population decline west of the Sierra-Cascade Crest. Calistoga (1953) (CNDDB 2020).	P	A	**Low**: Potential wetland habitat with foraging plants exist in BSA, however a lack of burrows and other habitat features results in low quality or unsuitable habitat.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Dicamptodon ensatus California giant salamander	-/-	Known from wet coastal forests near streams and seeps. Larvae found in cold, clear streams and adults knowns from wet forests under rocks and logs near streams and lakes. Approx. 7.5 air mi WNW of St. Helena (CNDDB 2020).	A	A	**None**: no suitable habitat present.	n/a
Rana boylii foothill yellow-legged frog	-/SSC	Prefers permanent stream pools, and creeks with emergent and/or riparian vegetation. Napa River, near Calistoga (CNDDB 2020).	P	P	**High**: suitable habitat present in Napa River. No work will occur in Napa River.	n/a
Taricha rivularis Red-bellied newt	-/SSC	Spends dry season underground within root channels. Requires rapid streams with temps between 15°C and 26° C and rocky substrate for breeding and egg-laying. Occurrence in Santa Rosa (CNDDB 2020)	A	A	**None**: no suitable habitat present.	n/a
Emys marmorata western pond turtle	SC/ SSC	Prefers permanent, slow-moving creeks, streams, ponds, rivers, marshes and irrigation ditches with basking sites and a vegetated shoreline. Requires upland sites for egg-laying. Reported in Napa River in Calistoga (CNDDB 2020).	P	P	**High**: suitable habitat present in Napa River. No work will occur in Napa River.	n/a
Accipiter cooperi Cooper's hawk	/ SSC,WL	Nests primarily in deciduous riparian forests. May also occupy dense canopied forests from gray pine-oak woodland to redwood forests. Forages in open woodlands.	P	P	**Moderate:** individual trees in BSA may provide nesting habitat.	n/a
Accipiter striatus sharp-shined hawk	MB/ SSC	Dense canopy pine or mixed conifer forest and riparian habitats. Water within one mile required. Near Calistoga (CNDDB 2020).	P	P	**Moderate:** individual trees in BSA may provide nesting habitat.	n/a

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale	Species Effects Determination
Aquila chrysaetos golden eagle	/ CFP	Forages in a variety of habitats including grasslands, chaparral and oak woodland supporting abundant mammals. Nests on cliffs and escarpments and tall trees.	A	A	**None**: no suitable habitat present.	n/a
Baeolophus inornatus Oak titmouse	BCC/ -	Breeds in cavities in oak woodlands, gleaning insects from the bark. Occurs from southern Oregon to northern Mexico along the Central Valley and xeric coastal foothills.	P	P	**Moderate:** individual trees in BSA may provide nesting habitat.	n/a
Carduelis lawrencei Lawrence's goldfinch	BCC/	Nests in open woodlands, chaparral and weedy fields in trees	A	A	**None**: no suitable habitat present.	n/a
Chamaea fasciata Wrentit	BCC	Nests in coastal scrub and chaparral.	A	A	**None**: no suitable habitat present.	n/a
Falco peregrinus anatum American peregrine falcon	BCC/CFP	Nests and roosts on protected ledges of high cliffs, usually adjacent to lakes, rivers or marshes. Forages on shorebirds and small passerines. Not reported within 5 mi (CNDDB 2020).	A	A	**None**: no suitable habitat present.	n/a
Geothylpis trichas sinuosa common yellowthroat	BCC/SSC	Nests in fresh and salt marshes in tall grasses, tule patches and willows and forages in thick, continuous cover down to the water surface.	A	A	**None**: no suitable habitat present.	n/a

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale	Species Effects Determination
Haliaeetus leucocephalus bald eagle	BCC/CE, CFP	Nests in tall snags near water and forages on fish. This species winters near large bodies of waters with fish. Lake Hennessy (CNDDB 2020).	A	A	**None**: no suitable habitat present.	n/a
Melanerpes lewis Lewis's woodpecker	BCC/SSC	Found in open forest and woodland, often logged or burned, including oak, coniferous forest, riparian woodland, orchards, less often pinyon-juniper. Closely associated with open ponderosa pine forest in western North America. Most commonly uses pre-made or natural cavities. Wintering areas must provide storage sites for grain or mast.	A	A	**None**: no suitable habitat present.	n/a
Melozone crissalis California towhee	MB	Nests in shrubs in mesic and xeric habitats and forage on seeds.	P	P	**Moderate:** shrubs in BSA may provide nesting habitat.	n/a
Melospiza melodia Song sparrow	MB	Nests in shrubs, grasses and trees often near water.	P	P	**Moderate:** shrubs in BSA may provide nesting habitat.	n/a
Picoides nuttallii Nuttall's woodpecker	BCC/-	Found primarily in oak woodlands and riparian woods. Cavity nester.	P	P	**Moderate:** individual trees in BSA may provide nesting habitat	n/a
Pipilo maculatus Spotted towhee	BCC	Nests in shrubs and trees.	P	P	**Moderate:** individual trees and shrubs in BSA may provide nesting habitat	n/a
Progne subis Purple martin	-/SSC	Nests colonially in snags. Not reported within 5 mi (CNDDB 2020).	P	P	**Moderate:** individual trees in BSA may provide nesting habitat	n/a

Common Name *Scientific Name*	Status USFWS/ CDFW	Habitat Affinities and Reported Localities in the Project Area	Habitat present/ absent	Species present/ absent	Potential for Occurrence and Rationale	Species Effects Determination
Selasphorus rufus rufous hummingbird	BCC/-	Nests in chaparral, coniferous forest, scrub habitats and riparian habitats in Canada and winters in Mexico. Nests are placed on a downward drooping structure.	A	A	**None**: no suitable habitat present.	n/a
Strix occidentalis California spotted owl	BCC/SSC	Nests in dense, multi-layered evergreen forests high in diversity, with large trees (some < 83 cm DBH), some decadent, and open areas under canopy. Most often on lower, north-facing slopes of canyons. Found in canyon live oak/California laurel, ponderosa, sugar, Coulter pines, incense cedar, mixed conifer, Douglas fir, and white fir.	A	A	**None**: no suitable habitat present in BSA. Construction noise similar to ambient noise on SR 29 and BNVSP.	n/a
Antrozous pallidus pallid bat	-/SSC, WBWG:H	Day roosts in crevices and cavities in rock outcrops, mines, caves, buildings, bridges, properly-designed bat houses, as well as hollows and cavities in a wide variety of tree species. May roost alone, in small groups (2 to 20 bats), or in 100s in maternity roosts, with males and non-reproductive subadults in other, smaller roosts. Reported on Dunaweal Lane bridge over Napa River (CNDDB 2020).	P	P	**Present**: occupied habitat present on Napa River bridge.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Corynorhinus townsendii townsendii Townsend's big-eared bat	-/SSC, WBWG:H	Day roosts in cave analogs; mines, buildings, bridges, sometimes large tree hollows. Switches roosts seasonally, sometimes within each season. Females form maternity colonies, males roost singly, and all disperse widely after maternity season. During winter, roosts in cold, but non-freezing roosts, which may include man-made structures.	A	A	**None**: no suitable habitat present.	n/a
Lasiurus blossevillii Western red bat	-/SSC, WBWG:H	Solitary roosting, except when females are with young (from 2 to 6 are born). Roosts almost exclusively in foliage, under overhanging leaves, in woodland borders, rivers, agricultural areas including orchards, and urban areas with mature trees. Typically found in large cottonwoods, sycamores, walnuts and willows associated with riparian habitats.	P	P	**Moderate:** individual trees in BSA may provide roosting habitat**.**	n/a
Myotis ciliolabrum Western small-footed myotis	-/-, WBWG:M	Females give birth to one young, roosts singly or in small maternity groups in cliff and rock crevices, tree snags, buildings, concrete bridges and viaducts, caves and mines, occasionally under tree bark, swallow nests – males roost singly. Hibernates in small numbers.	P	P	**Moderate:** individual trees in BSA may provide roosting habitat.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Myotis evotis long-eared myotis	-/-, WBWG:M	Reproductive females form small maternity colonies between 2-30 individuals; males and non-reproductive females roost singly or in small groups nearby. Day roosts in hollow trees, under exfoliating bark, caves, mines, bridges, buildings and crevices in rock outcrops, under bark of small black oaks in northern California, also use mixed conifer forests throughout California. Nights roosts include bridges, caves. May hibernate.	P	P	**Moderate:** individual trees in BSA may provide roosting habitat.	n/a
Myotis thysanodes fringed myotis	-/-, WBWG:H	Roosts colonially, up to 2,000 individuals. Females form maternity roosts give birth to one young per year. Roosts in rock crevices, caves, mines, buildings and bridges, as well as tree hollows, particularly large conifer snags. Occurs in xeric woodland, hot desert-scrub, grassland, sage-grassland steppe, spruce-fir, mesic old growth forest, coniferous and deciduous/coniferous forests. Roosting in building at BNVSP (CNDDB 2020).	P	*	**Moderate:** individual trees in BSA may provide roosting habitat.	n/a

Common Name ***Scientific Name***	**Status USFWS/ CDFW**	**Habitat Affinities and Reported Localities in the Project Area**	**Habitat present/ absent**	**Species present/ absent**	**Potential for Occurrence and Rationale**	**Species Effects Determination**
Myotis yumanensis Yuma myotis	-/-, WBWG:M	Generally forms large maternity colonies, with females giving birth to one young. Primarily a crevice-roosting species in natural habitat, forms large maternity colonies in large spaces in man-made roosts, e.g. buildings. Also uses bridges, caves, mines, tree cavities, bat houses, abandoned swallow nests, exfoliating bark. Emerges early and forages almost exclusively over quiet water – ponds, pools, reservoirs, swimming pools. Reported in project area along Napa River (CNDDB 2020).	P	P	**Present:** Night roost and potential maternity roost.	n/a

U.S. FISH AND WILDLIFE SERVICE

FE = federally listed Endangered
FT = federally listed Threatened
FC = federal candidate for listing
BCC = Bird of Conservation Concern
MBTA = Migratory Bird Treaty Act

CALIFORNIA DEPT. OF FISH AND WILDLIFE

CE = California listed Endangered
CT = California listed as Threatened
CFP = California fully protected
CPT = California proposed Threatened
SSC = Species of Special Concern

WESTERN BAT WORKING GROUP (WBWG)

H = High priority
M = Medium priority
L = Low priority

Chapter 4 – Results: Biological Resources, Discussion of Impacts and Mitigation

Chapter 3 described the known or potential presence and distribution of special status biological resources within the BSA. Chapter 4 identifies the potential direct and indirect effects to special status species and sensitive habitats that could occur as a result of the proposed project. This chapter also enumerates several proposed avoidance and minimization measures that will be implemented during project construction to reduce the potential for adverse effects to special status species and protected resources to occur. We have also identified potential cumulative impacts that could occur as a result of the proposed project.

General Avoidance and Minimization Measures

General AMMs and BMPs would be implemented during construction of the project that would avoid and minimize potential effects of the project on protected resources. These measures include, but are not limited to, the following:

- **BIO-1: Seasonal Work Restrictions.** The Migratory Bird Treaty Act (MBTA) generally prohibits the take of migratory birds and their nests. To reduce the potential for the take of migratory birds, vegetation clearing will be timed to occur during the non-nesting season, from September 1 to January 31, to the extent possible. A qualified biologist would conduct pre-construction surveys for any vegetation clearing conducted outside this window. Migratory birds may nest on the ground, on structures, or in trees, shrubs, or other vegetation, and the biologist would focus their survey on these areas. Inactive bird nests, other than those of eagles and threatened or endangered species, may be removed. If active nests are found in the work area, appropriate buffers would be established in coordination with CDFW. Work buffers or construction delays would be implemented until all birds have fledged.

  BIO-2: Worker Environmental Awareness Training. Before construction activities begin, a qualified biologist would conduct an education program for all construction personnel. The training will include a description of special status species, including federal and state listed species and associated habitats with potential to occur in the BSA; the occurrence of the species within the PIA; an explanation of the status of these species and their protection under the FESA and CESA; the measures to conserve listed species and their habitats as they relate to the work being done; and

boundaries within which construction may occur. A fact sheet conveying this information will be prepared and distributed to all construction crews. Upon completion of the program, personnel will sign a form stating that they attended the program and understand all the AMMs and implications of subject regulations.

- **BIO-3: Environmentally Sensitive Area Fencing**. Prior to the start of construction, specific project locations that are associated with listed species and sensitive habitats will be identified and designated as Environmentally Sensitive Areas (ESAs) using high-visibility orange fencing, flagging and signage, or silt fencing. ESAs will be shown on project design plans or maps to be provided to construction personnel. A qualified biologist will conduct preconstruction surveys of these areas, including any temporary work areas that have potential for federal or state listed species to occur. The ESAs will be monitored during active construction and the ESA fencing will remain in place throughout the duration of the project related construction activities to prevent the encroachment of construction equipment/personnel into sensitive areas. The bid package special provisions will clearly describe acceptable fencing material and prohibited construction-related activities, vehicle operation, material and equipment storage, and other surface-disturbing activities within ESAs. The final project plans would depict all locations where ESA fencing or flagging and signage would be installed and how it would be installed.

- **BIO-4: Identification of Waters of the U.S.** All hydrologic features within the BSA that have been identified as waters of the U.S. or state will be delineated on project design plans and designated as ESAs to be avoided during construction.

- **BIO-5: Avoidance of Entrapment**. To prevent the inadvertent entrapment of animals during construction, all excavated, steep-walled holes or trenches more than 1-foot deep will be covered at the close of each working day with plywood or other suitable materials or provided with one or more escape ramps constructed of earth fill or wooden planks. Before such holes or trenches are filled they must be thoroughly inspected for trapped animals. All replacement pipes, culverts, or similar structures stored in the PIA overnight will be inspected before they are subsequently moved, capped and/or buried. If at any time a listed species is discovered, the Resident Engineer and qualified biologist will be immediately informed.

The animal will be allowed to move out of the area on its own volition or until the qualified biologist notifies the Resident Engineer to resume work in the area.

- **BIO-6: Vegetation Removal**. Vegetation and tree removal would be required to construct the trail. Trees would be replanted within the project area at a ratio consistent with local tree protection ordinances and for trees removed within local agency jurisdiction, Caltrans requirements for trees removed within Caltrans' ROW, and CDFW replanting requirements for trees removed within the riparian areas under CDFW jurisdiction. A portion of landscaped areas, including walls and signage on private property would be removed to accommodate the trail and then replaced and replanted, as agreed to and in accordance with easements to be granted by private property owners.
- **BIO-7: Biological Monitor**. An agency-approved biologist will be present during prior to and at the onset of ground disturbance activities construction-related activities in sensitive habitats. If special status species are discovered during construction activities in regulated areas (e.g., waterways under jurisdiction of CDFW), the agency-approved biologist, through the Resident Engineer, will halt all work within 50 feet of the animal and contact the agency to determine how to proceed.
- **BIO-8: Restoration of Disturbed Areas**. All slopes or unpaved areas temporarily disturbed during construction activities would be reseeded with native grasses and shrubs to stabilize and prevent erosion. The temporarily disturbed areas would be restored to pre-project conditions to the maximum extent practicable. Where disturbance includes tree removal, native species will be replanted at ratios as described above.
- **BIO-9: Storm Water Pollution Prevention Plans (SWPPP) implementation.** Pursuant to Section 402 of the Clean Water Act and Caltrans' Construction General Permit (Order 2009-009-DWQ), NVTA would be required to prepare a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP shall incorporate best management practices (BMPs) to control sedimentation and runoff and meet CGP requirements. Protective measures would include the following:
    - No discharge of pollutants from vehicles and equipment shall be allowed to enter into any storm drains or water courses.

- Vehicle and equipment fueling and maintenance operations must be located away from watercourses, except at established commercial gas stations or established vehicle maintenance facility or staging areas with BMPs installed and maintained.
- Concrete wastes would be collected in washouts and water from curing operations would be collected and disposed of properly. Neither will be allowed into watercourses.
- Spill containment kits will be maintained onsite at all times during construction operations.
- Dust control measures will include use of water trucks and organic tackifiers to control dust in disturbed areas, covering temporary access road entrances and exits with rock (rocking) or comparable stabilization techniques, and covering of temporary stockpiles when weather conditions require.

- **BIO-10: General Construction Site Management Practices**. The following site restrictions will be implemented to avoid or minimize effects on protected species and their habitats:
  - A speed limit of 20 miles per hour (mph) in the project footprint in unpaved areas will be enforced to reduce dust and excessive soil disturbance.
  - Construction access, staging, storage, and parking areas will be located within Caltrans' ROW or temporary easements and outside of any designated ESA. Access routes and the number and size of staging and work areas will be limited to the minimum necessary to construct the proposed project. Routes and boundaries of roadwork will be clearly marked prior to initiating construction or grading.
  - All food and food-related trash items will be enclosed in sealed trash containers and removed completely from the site at the end of each day.
  - No pets from project personnel will be allowed anywhere in the PIA during construction.

CUMULATIVE IMPACTS

CEQAnet, SHOPP projects and future PG&E projects within Napa County were reviewed to identify projects that could contribute to cumulative impacts on natural

resources in the project area. The results of this review include the following projects:

- The City of St. Helena plans to complete an ecosystem restoration in Upper York Creek. This work would not coincide with the BSA for this project, and this project would not require any work within York Creek, therefore no cumulative impacts are anticipated.

- Some development projects are proposed in Napa County which would convert vineyards to developed areas, but none were identified within the project area, and the closest development proposal is approximately 20 miles from the project area.

- Caltrans proposes future upgrades to York Creek Bridge. Given the bike lane would be installed within the existing pavement footprint at the York Creek bridge, future work on this bridge is not anticipated to result in cumulative impacts, nor require additional impacts to accommodate the bike trail.

- Caltrans is also working on the Ritchey Creek Bridge upstream of the BSA for the trail project. Cumulative impacts downstream would not occur; Ritchey Creek is culverted throughout the extent of the BSA for this project and no work would occur in or near Ritchey Creek.

- SR 29 pavement rehabilitation is scheduled to occur at locations adjacent or parallel to the trail alignment. This maintenance work is anticipated to occur within the existing pavement footprint and unlikely to result in cumulative impacts.

PG&E is currently planning a gas line replacement which coincides with or is adjacent to the trail alignment on the east side of SR 29, from Pratt Avenue to just south of Dunaweal Lane. Additional tree and vegetation removals would likely occur for the PG&E pipeline replacement. However, the PG&E gas line replacement would be required to complete a CEQA analysis, obtain relevant permits, and be subject to applicable mitigations including tree replanting requirements and pre-construction nesting bird and raptor surveys.

Vegetation Communities and Natural Communities of Special Concern

Vegetation communities and natural communities of special concern within the BSA include wetlands, including a vernal pool wetland, wetland ditches and riparian habitats. Wetland and riparian communities are generally considered natural communities of special concern.

VERNAL POOL

There is one vernal pool wetland located within the BSA. This wetland supports numerous wetland plants (as described in the vegetation communities section in Chapter 3), including the state and federally listed Sebastopol meadowfoam. The location of this natural community is not depicted on any figures so as to protect the location of Sebastopol meadowfoam.

Survey Results

Based on aerial imagery, field evaluations and GIS mapping, approximately 0.74 acre of vernal pool vegetation community occurs within the BSA. The project has been designed to avoid direct impacts by incorporating a bridge that will completely span the vernal pool wetland and will be at an elevation above , and oriented in a north-south direction to minimize shading impacts. All bridge abutments and retaining walls will be constructed in upland areas. In the area near the vernal pool wetland, the trail design was modified to narrow or move the trail location so that the proposed trail would not be placed in vernal pool habitat.

Project Impacts

Direct Effects: The project will not involve any construction activities within the single vernal pool vegetation community in the PIA. The bridge is situated more than 100 feet from where the meadowfoam was observed. No shading on existing meadowfoam will occur as a result of the new bridge. There will be no permanent loss of vernal pool wetland habitat as a result of this project; therefore, no direct effects to this community are anticipated.

Indirect Effects: Indirect effects are those effects that are caused by the proposed action and may occur later in time but are reasonably certain to occur. Potential indirect effects from this project could include disturbances from construction vehicles parked adjacent to wetland areas. Potential fluid leaks and sedimentation to adjacent waters could occur from these parked vehicles. Implementation of

erosion and sediment control BMPs, including mandating that vehicles only be parked in upland areas, will reduce the potential for adverse impacts to water quality, such as sedimentation, to occur.

Avoidance and Minimization Measures

In addition to the AMMs previously described in this document, the following additional measures would be implemented to avoid impacts to vernal pools:

- Access to and installation of the free span prefabricated bridge structure will occur from the SR 29 road shoulder and or upland areas
- All vehicles and equipment and materials will be staged in designated upland areas and no work will be allowed to occur within the limits of the vernal pool
- Applicable environmental permits would be obtained and conditions not already covered by the AMMs within this document would be adhered to.

Compensatory Mitigation

No compensatory mitigation for impacts to vernal pools is proposed as there will be no direct effects or permanent loss of this habitat type as a result of this project.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and Caltrans both have plans for future highway and bridge improvements. However, none of these projects are capacity increasing or widening projects and are more routine or maintenance jobs. These projects would be subject to environmental review and required to implement measures to avoid and minimize impacts to natural resources. There are no other planned projects, including residential development projects, identified in the general vicinity of the vernal pool or this segment of the Vine Trail. Thus, this project is not expected to contribute to or result in cumulative impacts to vernal pools.

VALLEY OAK WOODLAND AND RIPARIAN

Areas mapped as valley oak woodland occur as small groupings (three or more individual trees) of valley oak trees along the trail alignment. One area was mapped as a valley oak woodland riparian because it contained a dense canopy of valley oaks and includes some willows making it distinct enough to be called out as a separate from valley oak woodland.

Both valley oak woodland and riparian vegetation communities are sensitive natural communities (CNDDB 2020).

Survey Results

A total of 1.23 acres of valley oak woodland and riparian areas were mapped within the BSA. Eight areas with stands of more than three valley oak trees were mapped as valley oak woodland (Appendix A, Figures 3A, 3C, 3D, 3H and 3I). This also includes one valley oak riparian habitat which occurs along the 'S2' drainage located just south of Twomey Vineyards (PM-029-35.279).

Project Impacts

Direct Impacts: The project will result in the direct permanent loss of 0.24 acre of valley oak woodland and riparian. Direct impacts to valley oak woodland and riparian are from tree and vegetation removal for trail construction and from the construction of the free span bridge over the S2 drainage adjacent to Twomey Vineyards. Impacts will be from construction of the bridge abutments to the drainage channel banks where willows and valley oak trees are present.

Indirect Impacts: Potential indirect effects to valley oak woodlands may result from the settling of dust from nearby construction activities, disturbances from construction vehicles parked adjacent to woodland areas due to potential fluid leaks and soil compaction which could adversely affect tree roots. Soil compaction could result in long-term effects to tree vigor.

Avoidance and Minimization Measures

The AMMs listed above would be implemented to avoid impacts to this sensitive community.

Compensatory Mitigation

Impacts to valley oak woodland and riparian will be addressed through requirements of local tree ordinances as described in Chapter 2. Tree replacement locations would occur in Calistoga, along the Fair Way Path Extension portion of the project and in areas along the alignment where space allows. Precise locations would be determined in close coordination with local agencies, Caltrans and property owners.

Valley oak trees would be planted at a 3:1 replacement ratio or as determined by the tree ordinance/tree removal permit from Napa County and/or CDFW

requirements in the streambed alteration agreement. Trees will be planted in appropriate areas where there is suitable habitat and where existing oak woodland habitat can be extended or enhanced. Areas that would benefit from riparian habitat restoration include the Napa River, Nash Creek and Hirsch Creek.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and/or Caltrans has plans to do highway and bridge improvements. PG&E projects to maintain or replace utility infrastructure could require additional tree and vegetation removal though future projects would be required to undergo separate CEQA analysis, obtain relevant permits, and be subject to applicable mitigation requirements, such as tree replanting. Thus, no cumulative impacts are anticipated to occur. Residential or other development projects were not identified in the general vicinity of the project area based on a review of projects within Napa County in the CEQAnet database (CEQAnet 2020). Thus, cumulative impacts would not occur to valley oak woodland and riparian habitats.

WATERS OF THE U.S. AND STATE

Potentially jurisdictional waters of the U.S and state in the BSA include creeks and wetlands. Table 4-2 lists the creeks identified as potentially jurisdictional waters of the U.S. and state. The locations are shown in Appendix C.

The wetland ditches that parallel SR 29 that are mapped within the project study area are not a special status community. However, they qualify as a sensitive natural community because they support wetland vegetation and are regulated by the USACE, RWQCB and CDFW. Wetlands are generally considered a sensitive habitat type as they provide important ecological functions and values such as wildlife habitat, sediment and toxicant reduction and groundwater recharge.

Survey Results

Approximately 2.12 acres of potentially jurisdictional waters of the U.S. and state were mapped within the BSA and are presented in Appendix C. All conclusions regarding jurisdictional status are preliminary and subject to verification by USACE and the SFBRWQCB.

Project Impacts

Direct Impacts: There will be 0.019 acre of permanent impacts to non-wetland jurisdictional waters of the U.S. or state (Table 4-1). Direct effects will result from the construction of culverts and storm drains along the trail in areas that cannot be avoided. A total of 0.043 acre of temporary impacts would occur in order to construct the proposed project.

Table 4-1: Vegetation Communities Present within the Named and Unnamed Creeks – Napa Valley Vine Trail BSA

	Proposed Crossing	Adjacent Habitat Type	Permanent impacts (Acres)	Temporary impacts (Acres)
York Creek	none	Mixed oak riparian woodland	0	0
Hirsch Creek	culvert extension	Coast live oak riparian woodland	0.003	0.001
Mill Creek	none	Coast live oak riparian woodland	0	0
Nash Creek	culvert extension	Mixed oak riparian woodland	0.014	0.012
Ritchey Creek	none	Mixed oak riparian woodland	0	0
Napa River	free span bridge	Coast live oak riparian woodland	0	0
S1	culvert	Willow riparian woodland	0.002	0.000
S2	free span bridge	Valley oak riparian woodland	0.0	0.030
Total for named and unnamed creeks/waters			**0.019**	**0.043**

A total of 0.018 acre of permanent impacts and 0.06 acres of temporary impacts would occur to seasonal wetland drainages in the BSA (Table 4-2). Please refer to Appendix C for locations.

Table 4-2: Potential Impacts to Wetland Drainages – Napa Valley Vine Trail BSA

Drainages	Approximate Location	Vegetation Community	Permanent Impacts (acres)	Temporary Impacts (acres)
W1	Adjacent to Fair Way Path Extension near Lincoln	Disturbed seasonal	0.000	0.000

Drainages	Approximate Location	Vegetation Community	Permanent Impacts (acres)	Temporary Impacts (acres)
	Avenue and Gerard Street	wetland		
W2	Adjacent to Fair Way Path Extension at east end of Earl Street	Wetland with cattails and bulrushes	0.000	0.000
W3	Near PM 40.965 across from Azalea Springs Way	Seasonal wetland with vineyards, landscaping, oaks along SR 29	0.005	0.029
W4	Near PM 34.734 across from Heitz Way	Seasonal wetland with landscaping	0.000	0.000
W5	Near PM 34.493 just south of Heitz Way and W4	Seasonal wetland with non-native grassland next to vineyard	0.000	0.000
W6	Located on State of California Cal Fire property, north of Big Tree Lane near PM 32.579	Seasonal wetland	0.002	0.000
W7	Located on State of California Cal Fire property, north of Big Tree Lane near PM 32.571	Seasonal wetland	0.000	0.008
W8	Location of proposed free span bridge	Vernal pool/seasonal wetland	0.000	0.000
W11	Located adjacent and south of Deer Park Rd near PM 30.043	Seasonal wetland	0.007	0.019
W12	Located south of entrance to Krug Winery near PM 29.844	Seasonal wetland	0.004	0.004
		Total	**0.018**	**0.06**

Indirect Impacts: Indirect effects are those effects that are caused by the proposed action and may occur later in time but are reasonably certain to occur. Potential indirect effects from this project could include disturbances from construction vehicles parked adjacent to wetland areas. Potential fluid leaks and sedimentation to adjacent waters could occur from these parked vehicles. Implementation of erosion and sediment control BMPs, including mandating that vehicles only be parked in upland areas, will reduce the potential for adverse impacts to water quality to occur.

Avoidance and Minimization Measures

The AMMs listed above would be implemented to avoid impacts to this sensitive community. The project has been designed to avoid and minimize impacts to any wetlands and waters of the U.S. and state to the maximum extent possible. Existing bridges and road crossings will be used where feasible such as for York Creek, Mill Creek and Ritchey Creek. Impacts to areas that require new bridges or crossings will be installed in upland areas only. This includes bridges that will fully span the vernal pool wetland located on private property and the bridges across Napa Creek and waters/canal S2. All other crossings that impact wetlands or waters have been designed to minimize impacts to the extent feasible.

All staging areas, stockpile locations and access roads will be sited at least 25 feet from any jurisdictional waters of the U.S. or state or contained in designated upland areas. All waters and wetlands would be designated by flagging and signage or ESA fencing.

Compensatory Mitigation

Caltrans will be the federal lead on obtaining a CWA Section 404 permit from USACE for this project. Meanwhile, NVTA will obtain a CWA Section 401 water quality certification from the SFBRWQCB for the placement of fill material into drainages or wetlands that are subject to both agencies' jurisdictions. Given the project would not result in more than 0.5 acre of loss of waters of the U.S., the project would most likely be permitted by the USACE under Nationwide Permit 14 for linear transportation projects. A streambed alteration agreement from CDFW will also be required for the trail crossings at Hirsch Creek, Nash Creek and the unnamed creek near Twomey Winery (S2).

CDFW and the SFBRWQCB may also require compensation for alteration to roadside drainages that were not identified as waters of the U.S., but which may be waters of the state. Mitigation could be in the form of habitat restoration rather than creation of additional linear feet of channel or through payment to an in-lieu fee program. This will be determined through the permitting process with CDFW and the SFBRWQCB.

Compensatory mitigation for the permanent loss of waters of the U.S., including wetlands, would be required if wetland losses exceed 0.10 acre. If wetland losses are less than 0.10 acre, mitigation is determined by USACE on a case-by-case basis. Compensatory mitigation may be achieved by either purchasing credits at

an approved mitigation bank, by creating new wetlands on-site or off-site, or paying into an-lieu fee program.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and/or Caltrans has plans to do highway and bridge improvements. While the exact timeframe for these projects in relation to this project is not confirmed, these projects would be subject to environmental review, permit requirements and project conditions in order to avoid, minimize and mitigate impacts. Based on a review of current and potential future projects as described above in this chapter, there are no residential or development projects planned in the general project vicinity or that would overlap with waters of the U.S. and state in the BSA. Future road rehabilitation and utility maintenance or replacement projects near regulated wetlands and waters would be subject to permit requirements and implementation of BMPs would be required to minimize water quality impacts. Thus, based on available information, this project would not contribute to the cumulative impacts of wetlands.

Special Status Plant Species

This section includes a discussion of potential impacts to special status plant species that may occur as a result of construction activities.

Survey Results

The Sebastopol meadowfoam was observed in the BSA and is the only special status plant species that was observed in the project area. The Sebastopol meadowfoam was observed within a vernal pool/swale in the project area. Based on surveys conducted by LSA (2019), two distinct patches of the species were observed within the wetland, both of which are estimated to support thousands of individuals. The trail alignment was sited to avoid these occurrences as much as possible. The trail would come within five feet of the species in one area, and the bridge is more than 100 feet away from the nearest plant.

Project Impacts

Direct Effects: The project will not directly impact Sebastopol meadowfoam. No individuals of meadowfoam would be removed to construct the trail. Surveys to date show individuals are not present within the work area or near the site of the proposed bridge based surveys conducted for the project (LSA 2019). Since no

individuals of meadowfoam were identified for the area within the trail alignment, direct take of individuals is not anticipated.

The project will avoid impacts to any wetland habitat within this specific area which will also avoid any potential direct effects to the meadowfoam. Design of the crossing includes avoidance measures such as constructing features from uplands, placing the free span bridge across the narrowest portion of the wetland more than 100 feet upstream of reported individuals, and designing the bridge to run in a north-south orientation to minimize shading. Downstream of the bridge, a curb will run along the trail to divert runoff into non-native grassland areas before going into the wetland. Additional species-specific minimization measures are listed below. Although there will be no direct take of individuals there is the potential for indirect effects to occur as described below.

Indirect Effects: Indirect effects are those effects that are caused by the proposed action and may occur later in time but are reasonably certain to occur. Potential indirect effects from this project include disturbances from construction-related activities, such as dust, and degradation of water quality from the addition of impervious surfaces. The addition of shading from the new bridge over the wetland could affect the ability of the Sebastopol meadowfoam to germinate and flower in this area and thus the fecundity and long-term survival of the meadowfoam in the vicinity of the wetland. However, the bridge is located more than 100 feet upstream of the reported occurrences of meadowfoam and the wetland in the area of the bridge may be unsuitable for the species.

As stated previously, no individuals of Sebastopol meadowfoam were observed within the trail alignment (LSA 2019). However, the wetland area under the bridge is still considered potential habitat for this species. There may also be indirect effects to hydrology where the trail, south of the bridge crossing, comes close to the wetland. Altered drainage patterns could divert water to another location within the wetland and/or speed rates of runoff into the wetland due to the addition of new, impervious surfaces. This altered hydrology could also affect the long-term persistence of the meadowfoam near the new trail. However, incorporation of the design features mentioned above and implementation of the SWPP would avoid and minimize direct impacts to this species. With incorporation of the design features, and avoidance and minimization measures, the potential for these indirect effects to result in the take of individuals and meadowfoam habitat is considered insignificant and discountable. Based on this analysis, Caltrans has

determined this project may affect, is not likely to adversely affect Sebastopol meadowfoam.

Avoidance and Minimization Measures

The AMMs described above in this chapter and for the vernal pool will minimize the potential for the project to adversely affect the Sebastopol meadowfoam. The project will also include the implementation of the following meadowfoam-specific measures:

- The limits of the vernal pool wetland feature will be designated with ESA fencing. No equipment staging, access, or work will occur in designated areas.

Compensatory Mitigation

No direct impacts to Sebastopol meadowfoam would occur and, with design changes and AMMs, potential for indirect impacts is considered insignificant and discountable. The project was designed to maintain existing hydrology in the area. Given potential habitat impacts are anticipated to be minimal, there is potential that shading from placement of the free span bridge could result in the loss and degradation of suitable habitat for the Sebastopol meadowfoam. The maximum amount of shading would be approximately 700 square feet (or 0.017 acre) in size and the bridge's north-south orientation would minimize the effects of this shading. Additionally, Sebastopol meadowfoam has been observed growing in areas with partial shade cover. Overall, no permanent habitat loss is anticipated and no compensatory mitigation is proposed.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and Caltrans both have plans for future highway and bridge improvements. However, none of these projects are capacity increasing and are more routine or maintenance-type jobs. These projects would be subject to separate environmental review and required to implement measures to avoid and minimize impacts to natural resources. There are no other planned projects, including residential development projects, identified in the general vicinity of the vernal pool that provides habitat for Sebastopol meadowfoam. Thus, no cumulative impacts to Sebastopol meadowfoam are anticipated.

PROTECTED TREES

The removal of individual trees will be addressed under Napa County Code 1810 and the City of St. Helena and Calistoga tree ordinances.

Survey Results

A tree survey was conducted along the proposed project alignment in March 2020 (Appendix D). Over 300 trees were identified within the tree survey area. At the time of writing this report, a total of 47 trees were identified for removal. Nine of the 47 trees to be removed are native trees (e.g. coast live oak). Additional details on tree species, removals and removal locations are provided in Appendix D. For trees proposed for removal that are protected by the various City and County tree protection ordinances summarized in Chapter 2, these trees would be replanted in ratios required by those ordinances or relevant permit conditions, whichever is more stringent.

Project Impacts

Direct Impacts: The proposed project will require the removal of an estimated 47 individual trees during construction-related activities. Additionally, trees may be impacted if the path runs or traverses a tree's root system, resulting in loss of health and vigor of the tree.

Indirect Impacts: While there is potential for indirect effects to protected trees to occur within the PIA, these impacts would be minimized or mitigated through implementation of BIO-1 tree protection measures and consultation with an arborist.

Avoidance and Minimization Measures

In addition to the avoidance and minimization measures described above in this chapter, the following additional measures would be implemented to avoid impacts to trees:

- Prior to construction, the construction superintendent shall meet with the consulting arborist to discuss work procedures and tree protection.
- Prior to demolition, grubbing or grading, establish a tree protection zone with fencing or flagging which shall remain until all grading and construction is completed.

- No grading, construction, demolition, material storage or excess soil, chemicals or debris shall occur or be stored within the tree protection zone, unless approved and monitored by the consulting arborist.

- Any root pruning required for construction purposes shall receive the prior approval of and be supervised by, the consulting arborist.

- If injury should occur to any tree during construction, it should be evaluated as soon as possible by a consulting arborist.

- Additional tree pruning, for native or otherwise protected trees, needed for clearance during construction must be performed by a Certified Arborist.

In addition, permits for tree removal will be obtained from the County of Napa and the cities of Saint Helena and Calistoga for the removal of trees protected under the respective ordinance.

Compensatory Mitigation

Compensation for the loss of trees will be in the form of tree replacement as required by the County, City and/or CDFW requirements. The loss of native riparian tree and shrub habitat along Hirsch Creek, Nash Creek, unnamed waters/streams, labeled as S1 and S2 and the Napa River will be covered under the CDFW streambed alteration agreement. Mitigation ratios for loss of riparian trees may depend on tree size and species and will depend upon applicable agency or local jurisdiction requirements. The new trees shall be planted within the same creek reach within or adjacent to the project area, or in a designated replanting area determined in consultation with the cities of St. Helena and Calistoga, Caltrans, and NVTA. There is typically a 5-year monitoring program to establish that restoration efforts have been successful.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and/or Caltrans has plans to do highway and bridge improvements. The PG&E project could require additional tree and vegetation removal though the project would be required to undergo a separate environmental review, obtain relevant permits, and be subject to applicable mitigation, including tree replanting. There are no planned residential or other development projects in the general vicinity, including those that would require tree removal. Based on

available information, this project would not result in cumulative impacts to protected trees.

OTHER VEGETATION COMMUNITIES

Survey Results

As presented in Chapter 3, and Table 4-1, the BSA contains 10 vegetation community types, with aquatic habitats analyzed separately under wetlands and waters of the U.S. and state. However, the areas of valley oak woodland and valley oak riparian are discussed above as sensitive natural communities due to their ranking as a sensitive natural community. They are included in Table 4-4 below to show the overall estimated permanent and temporary impacts to all 10 vegetation communities. The location of the proposed project with respect to habitat types is shown in Appendix A, Figure 3.

Project Impacts

Direct Impacts: This project will result in the direct loss and conversion of 8.46 acres of vegetation communities into hardscape. The acreages of habitat impact by vegetation community are enumerated in Table 4-3. The project will result in the loss of coast live oak woodland; coast live oak riparian; valley oak woodland; valley oak riparian; blue oak woodland; mixed oak riparian; and vineyard/non-native grassland habitats; landscaping; non-native grassland, and seasonal wetlands. These permanent impacts would occur adjacent to SR 29 and would result from construction of the project components identified in Chapter 1. Plant and animal species associated with these communities may also be adversely affected by construction in these areas.

A total of 6.24 acres of habitat would be temporarily impacted within the PIA. These temporary impacts would occur in discrete areas and would occur for only one season. Temporary impacts include areas required to construct the trail, including staging areas within the BSA. Plant and animal species associated with these communities may be impacted from these temporary impacts.

Indirect Impacts: Indirect effects are those effects that are caused by the proposed action and may occur later in time but are reasonably certain to occur. Potential indirect effects from this project could include disturbances from construction vehicles, such as compaction to root systems from working or parking within the tree dripline, or potential fluid leaks that could impact tree roots and tree health. Implementation of erosion and sediment control BMPs, including mandating that

vehicles only be parked in designated staging areas away from trees and outside of the dripline, will reduce the potential for adverse impacts to valley oaks.

Table 4-3: Estimated Project-related Impacts to Vegetation Communities within the PIA

	Vegetation Community	Permanent Impacts (acres)	Temporary Impacts (acres)
1	Seasonal wetlands	0.0	0.0
2	Coast live oak woodland	2.07	1.52
3	Coast live oak riparian	0.01	0.01
4	Valley oak woodland	0.2	0.13
5	Valley oak riparian	0.03	0.02
6	Blue oak woodland	0.09	0.06
7	Mixed oak woodland riparian	0.03	0.02
8	Landscaping/ Non-native grassland	4.48	3.33
9	Vineyard	1.49	1.13
10	Willow riparian	0.01	0.01
	Total Impacts	**8.42**	**6.24**

Avoidance and Minimization Measures

The AMMs identified above in this chapter would avoid impacts to these vegetation communities outside the PIAs.

Compensatory Mitigation

Impacts to riparian habitat will be covered under the streambed alteration agreement from CDFW issued for this project. Mitigation for the loss of riparian habitat will be determined in coordination with CDFW during the permitting process for this project. No mitigation is required for loss of vineyard, non-native grassland and landscaping. Mitigation for the loss of individual trees within the PIA would be covered under tree ordinances and removal permits will be required from the cities of St. Helena and Calistoga and from Napa County.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and/or Caltrans has plans to do highway and bridge improvements. These projects could require additional vegetation removal though these projects would be required to undergo separate environmental review and

be subject to mitigation requirements, including vegetation replanting. There are no other residential or development projects planned in the general project vicinity that would result in the loss of sensitive vegetation communities. Therefore, no cumulative impacts are anticipated to occur as a result of this project.

Invasive Plant Species

Survey Results

Numerous invasive plant species identified by the California Invasive Plant Council were observed in the BSA. Some of the more prevalent invasive and noxious species are presented below, with their associated rankings (presented in Chapter 2) and include:

- Black mustard (*Brassica nigra)* – moderate
- Italian thistle (*Carduus pycncephalus*) – moderate
- Yellow star thistle (*Centaurea solstitialis*) – high
- Wild teasel (*Dipsacus s*pp.) – moderate
- Medusa-head grass (*Elymus caput-medusae*) – high
- Stinkwort (*Dittrichia graveolens*) – watch list
- Wild fennel (*Foeniculum vulgare*) – moderate
- French broom (*Genista monspessulana*) – high
- Klamathweed *(Hypericum perforatum*) – limited
- Short-pod mustard (*Hirschfeldia incana*) – moderate
- Himalayan blackberry (*Rubus armeniacus)* – high
- Wild radish (*Raphanus sativus*) – limited
- Milk thistle (*Silybum marianum*) – limited
- Periwinkle (*Vinca major*) – moderate

Project Impacts

Most of the habitat types within the BSA have been directly or indirectly disturbed by adjacent roadway construction as well as vineyard development in the project region. Invasive species present in the area are already widespread within the PIA.

Given the minor nature of the proposed improvements, the protection measures described below, the likelihood that construction of the proposed project would result in the introduction of new invasive plants or spread existing invasive species into portions of the PIA in which invasive species do not already occur is minimal. Even so, measures to avoid and minimize the potential for the introduction of new invasive plants or the spread of existing plants would be implemented during construction as described below.

Avoidance and Minimization Measures

The project would implement the following protection measures to comply with Executive Order (EO) 13112 – Invasive Species:

- Prior to project construction, surveys would be conducted within the PIA for invasive species of highest concern, defined in this NES as plant species included on the CDFA noxious weed List A and Cal-IPC List 1. Any populations of CDFA List A noxious weeds or Cal-IPC List 1 species (except for those Cal-IPC List 1 species that are already ubiquitous in the BSA) observed during the preconstruction weed surveys would be mapped.
- The disposal of soil and plant materials from any areas that support CDFA List A or Cal-IPC List 1 invasive species into natural habitats such as coast live oak woodland, coast live oak-willow riparian forest, or within or directly adjacent to wetlands or other waters would be prohibited. There would be no placement of soil or plant material that contains any CDFA List A or Cal-IPC List invasive species.
- Erosion control BMPs would be certified “weed free” to reduce the chances of introducing a new invasive species into the BSA or spreading an existing invasive species into unoccupied areas. Additionally, only non-invasive native and/or non-native species would be used for erosion control or landscaping.
- If CDFA List A plants are identified during future surveys, or another invasive habitat threat is identified (e.g., such as the sudden oak death fungal pathogen), wheeled or tracked construction equipment shall be pressure washed or steam cleaned prior to initial entry to the project limits.

Compensatory Mitigation

Compensatory mitigation is not applicable to invasive species.

Cumulative Impacts

Proposed construction activities are unlikely to introduce additional invasive species to the project area and with the implementation of the AMMs listed above, this project is unlikely to further the spread of noxious weeds in the region.

Special Status Animal Species

Of the 35 special status animal species evaluated for this NES (Table 3-6), a total of eight species have potential to occur within the project area (Table 4-4).

Table 4-4: Special Status Animal Species Potentially Occurring within the BSA

Special Status Species	Status
California freshwater shrimp	federally endangered, state endangered
CCC steelhead	federally threatened, SSC
Chinook salmon	SSC
California red-legged frog	federally threatened, SSC
foothill yellow-legged frog	SSC
western pond turtle	SSC
pallid bat	SSC
western red bat	SSC

CALIFORNIA FRESHWATER SHRIMP (*SYNCARIS PACIFICA*)

The California freshwater shrimp (*Syncaris pacifica*) was federally listed as endangered in 1988 (USFWS 1988). There is no federally designated critical habitat identified for this species. This species is also state listed as endangered. CDFW listed the species in 1980.

This species occurs in slow-moving, freshwater streams and is endemic to Marin, Sonoma and Napa counties in California. California freshwater shrimp have evolved to survive a broad range of stream and water temperature conditions characteristic of small, perennial coastal streams. They have been found only in low-elevation (less than 53 feet) and low-gradient (generally less than 1 percent) streams (USFWS 1998).

Excellent freshwater shrimp habitat conditions include streams with the following characteristics: 12 to 36 inches in depth; exposed live roots of trees, such as alder and willow; undercut banks greater than 6 inches; and overhanging woody debris or stream vegetation and vines, such as stinging nettles, grasses, vine maple and

mint. Such areas may provide refugia from swift currents as well as some protection from high sediment concentrations associated with high stream flows. During the winter, the shrimp is found in undercut banks with exposed fine root systems or dense, overhanging vegetation. In the summer months when flows are reduced, the shrimp retreats to isolated pools with minimal cover but into water that is more opaque (USFWS 1998).

The Napa River flows south into the San Pablo Bay and is one of four recovery areas for the shrimp (USFWS 1998).

Survey Results

The Napa River between St. Helena and Calistoga is an important area for California freshwater shrimp. Within the BSA, approximately 0.6 acre of suitable habitat occurs upstream and downstream in the bridge crossing area of the Napa River.

Project Impacts

Direct Impacts: The AMMs described earlier in this chapter will prevent take of individuals and prevent loss and degradation of habitat. There will be no loss in shrimp habitat as part of this project. The abutments on which the prefabricated bridge will be sited will be outside the top of bank of the Napa River. The bridge deck elevation would be constructed above the 100-year flood plain elevation and above the elevation of the existing Napa River Bridge. Therefore, no change in stream flow characteristics, channel and floodplain complexity, or access to breeding areas would occur as a result of the proposed trail crossing.

There is an existing open, 2-foot wide ditch within the project footprint; this ditch conveys roadside drainage and agricultural runoff into the Napa River. A 250-foot long ditch would be constructed over this ditch, and this would result in approximately 0.01 acre of impacts to this ditch. The culverting work would be done in upland habitat areas. No new surface waters will flow into the Napa River as a result of placement of this culvert and no shrimp habitat will be impacted.

There are one or two trees located on a gravel bar in the Napa River beneath the proposed bridge crossing. These trees may need to be limbed during construction; no tree removal will occur within the bed and bank of Napa River. Overall, there will be no loss of in-stream habitat will occur for this species. The proposed project will not affect California freshwater shrimp.

Indirect Impacts: The amount of new shading from the new bridge deck over the Napa River will be approximately 0.027 acre. Although there will be shading from the new bridge, arroyo willow would likely grow underneath the new bridge, creating root balls in the river and providing more shading that may be considered beneficial. In addition, annual mean water temperatures have increased over time and this is correlated with increases in air temperatures due to global warming (Kaushal et al. 2010). A reduction in water temperatures post-project may benefit organisms in the Napa River. The bridge may provide a source of new cover that will allow shrimp to access cooler water and/or presumably better foraging opportunities. No lighting is proposed on the trail and so no effects from lighting would occur.

Implementation of a SWPPP will minimize potential indirect effects, such as erosion and sedimentation. As a result, no take of individuals or loss of habitat for California freshwater shrimp will occur; therefore, no formal consultation with USFWS or ITP from CDFW will be required for the freshwater shrimp.

Avoidance and Minimization Measures

No work would occur within the Napa River, which contains suitable habitat for freshwater shrimp, as part of this project. Thus, no direct effects would occur to freshwater shrimp. The following specific AMMs will address potential for indirect effects to California freshwater shrimp in the area of the Napa River: BIO-1, BIO-2, BIO-3, BIO-4, BIO-5, BIO-7, BIO-9 and BIO-10.

Compensatory Mitigation

Based on the proposed project plan to avoid impacts to the streambed and BMPs, there will be no loss of shrimp habitat, including areas used for breeding or foraging; therefore, no compensatory mitigation is proposed.

Cumulative Impacts

No projects at the location of the Napa River bridge crossing were identified or within the Napa corridor within Napa County based on a review of CEQAnet. However, routine maintenance on the existing bridge and culvert at Dunaweal Lane and the proposed bike and pedestrian bridge would be conducted periodically. Bridge maintenance would be subject to standard conditions and routine maintenance agreements, and/or permits to minimize impacts to habitat. Given this work would be subject to other requirements, is temporary in nature and no other planned projects were identified at this location. Thus, based on available

information, this project is not expected to contribute to or result in cumulative impacts to California freshwater shrimp habitat.

STEELHEAD (*ONCORHYNCHUS MYKISS*) CENTRAL CALIFORNIA COAST DISTINCT POPULATION SEGMENT

The NMFS listed steelhead (*Oncorhynchus mykiss*) as threatened in 1997 (NMFS 1997) and designated critical habitat in 2005 (NMFS 2005). Within the BSA the following creeks are identified as critical habitat: York Creek, Mill Creek, Ritchey Creek and Napa River. Steelhead are an SSC.

Winter steelhead enter streams from the ocean when rains have increased the stream flows (Moyle 2002). Spawning typically occurs between January through April (NCRCD 2002) in tributaries to mainstream rivers, after which they return to the ocean. A key characteristic of all breeding streams is cool temperatures, typically between 0° Celsius (winter) and 26 – 27° C (summer) (Moyle 2002). Higher temperatures may reduce oxygen levels that are not population sustaining. Different size classes require different microhabitats that are defined by depth, water velocity, substrate and cover (Moyle 2002).

The Napa River Watershed is considered one of the most important anadromous fish streams in the San Francisco Bay (Leidy et al. 2005). Steelhead spawning and rearing occurs primarily in coldwater tributary streams; very few steelhead spawn in the mainstem of the Napa River (Koehler and Edwards 2008). Steelhead use the portion of the Napa River that overlaps with the BSA to move north to smaller tributaries.

Survey Results

The Napa River Watershed, which includes Mill Creek and York Creek, supports the winter run of the Central California Coast steelhead, with spawning habitat and rearing habitat occurring primarily in coldwater tributaries (USACE 2008; CDFG 2007). Both Mill Creek and York Creek support steelhead on the west side of SR 29, in the upper reaches of the two creeks. No other creeks in the BSA were identified as supporting the species (CNDDB 2019); although, Ritchey Creek, Mill Creek and the Napa River are designated as critical habitat for steelhead. Within the project area, Nash Creek and Hirsch Creek are ephemeral in the late summer and fall months. The Napa River is identified as an EFH for salmonids but not for steelhead specifically (NMFS 2014). There are no Habitat Areas of Particular Concern and there are no EFH Areas Protected from Fishing.

Project Impacts

Direct Impacts: The AMMs described earlier in this chapter will prevent take of individuals through project timing during the dry season. The AMMs will also prevent loss and degradation of habitat by using SWPP and BMPs to prevent siltation from any project site moving out of the project area (Napa River). No direct impacts to steelhead or the loss of its habitat are anticipated as a result of the proposed project. The abutments on which the prefabricated bridge will be sited will be outside the top of bank of the Napa River. The bridge deck elevation would be designed to be above the 100-year flood plain elevation and above the elevation of the existing bridge on SR 29. Therefore, no change in stream flow characteristics, channel and floodplain complexity, or access to breeding areas will occur from the proposed bridge. Additionally, no new surface flows into the Napa River will occur as a result of the project.

Indirect Impacts: The proposed free span bridge may provide a source of shadow (i.e., cover) that could allow smolts to access cooler water and/or presumably better foraging opportunities as well as refugia from predators. The effects of bridge shadows of approximately 0.027 acre on the Napa River may be beneficial but is negligible when considered in relative to the amount of canopy cover upstream and downstream of the project site. No lighting will be installed on the bridge; therefore, no adverse effects from lighting are anticipated.

Work near the Napa River drainage could result in erosion and sedimentation due to temporary disturbance of areas required to install the bridge abutments.

Noise and vibration due to construction of the free span bridge and trail near the Napa River crossing could create a temporary disturbance. However, the overall impacts to steelhead are not anticipated to rise to the level of take.

Although no work will occur in the Napa River, the project may affect, not likely to adversely affect steelhead. As a result, a letter of concurrence will be obtained from NMFS.

Avoidance and Minimization Measures

The proposed bridge over the Napa River has been designed to completely span the river and sited to avoid wetland and waters features and riparian areas. The following AMMs will protect steelhead in the area of the Napa River: BIO-1, BIO-2, BIO-3, BIO-4, BIO-5, BIO-7, BIO-9 and BIO-10. The prefabricated bridge would be installed from the bridge on Dunaweal Lane that crosses the Napa River. No

new surface flows into the Napa River will occur as a result of the project. Implementation of the SWPPP will minimize erosion and sedimentation and will require temporary work areas to be stabilized following construction. Spawning season for steelhead is January through April and construction of the bridge at Napa River would occur outside of this period to avoid any impacts to species during migration.

Overall, there will be no permanent loss of steelhead habitat or indirect effects to steelhead habitat as a result of this project.

Compensatory Mitigation

Based on the proposed project plan to avoid impacts to the Napa River (including critical habitat for the species) there will be no loss of steelhead habitat, including areas for breeding or foraging; therefore, no compensatory mitigation is proposed.

Cumulative Impacts

No projects at the location of the Napa River bridge crossing were identified or within the Napa corridor within Napa County based on a review of CEQAnet. However, routine maintenance on the existing bridge and culvert at Dunaweal Lane and the new bridge constructed for the Vine Trail would occur periodically. Bridge maintenance would be subject to standard conditions and routine maintenance agreements, and/or permits to minimize impacts to habitat. Given this work would be subject to other requirements, is temporary in nature and no other planned projects were identified at this location, no cumulative impacts to steelhead habitat will occur. No loss of habitat will occur from other planned projects, including residential development projects in the general vicinity of the Vine Trail. Thus, based on available information, this project is not expected to contribute to or result in cumulative impacts to CCC steelhead.

CHINOOK (*ONCORHYNCHUS TSHAWYTSCHA*) CENTRAL CALIFORNIA COAST ECOLOGICALLY SIGNIFICANT UNIT

This species was federally listed as threatened in 1997 (NMFS 1997). Critical habitat for the species was designated in 2005 (NMFS 2005), and the Napa River is identified as critical habitat within the BSA.

The Chinook that occur in the Napa River are considered ocean-type Chinook (Moyle 2002). Fall-run Chinook enter streams from the ocean in early fall with spawning occurring when rains have increased the stream flows in the early winter

(Moyle 2002). Spawning typically occurs in the mainstem of the Napa River, between November and January, after which the adults die. Juveniles spend several months in the river and out-migrate to the San Francisco Bay and Pacific Ocean in May. A key characteristic of all breeding rivers is cool temperatures, typically between 5° Celsius (C) (winter) and 13° C (spring), with oxygen levels close to saturation (Moyle 2002). Higher temperatures may reduce oxygen levels that are not population sustaining. Chinook salmon require gravel ranging from approximately 3 millimeters (mm) to 150 mm (0.1 to 5.9 in) in diameter (Jones and Stokes 2005).

Survey Results

The Napa River Watershed is considered one of the most important anadromous fish streams in the San Francisco Bay (Leidy et al. 2005). However, the past 150 years has resulted in degradation of spawning habitat, channel and floodplain alterations and introductions of exotic predatory fish (Koehler and Edwards 2008). There are approximately 25 miles of suitable Chinook spawning habitat in the mainstem of the Napa River (Koehler and Edwards 2008). However, studies on the genetics of Chinook salmon from the Napa River (Garza and Crandall 2013) reveal that individuals are more closely related to the Central Valley Fall/Late Fall Run Ecologically Significant Unit (ESU), an ESU that is listed as an SSC, than to the central California coast Chinook ESU, which is listed federally as threatened. As a result, although the Napa River is identified as an EFH for California Coastal Chinook (NMFS 2014), this Evolutionary Significant Unit does not occur in the Napa River, based on genetics. No critical habitat or EFH will be impacted from the proposed project, based on all work being conducted in upland habitat outside the jurisdictional water limits.

Project Impacts

Direct Effects: The AMMs described earlier in this chapter will prevent take of individuals through project timing during the dry season. The AMMs will also prevent loss and degradation of habitat by implementing the SWPP and BMPs to prevent siltation from any project site moving out of the project area (Napa River). No direct effects to Chinook salmon or the loss of its habitat are anticipated as a result of the proposed project. The new bridge would be constructed above the floodplain of the Napa River in upland areas approximately 50 feet from the top of bank, outside jurisdictional areas. No change in stream flow characteristics, or channel and floodplain complexity is anticipated to occur as a result of the proposed project. The new bridge would not inhibit access to breeding areas or

foraging habitat. Also, no new flows into the Napa River will be introduced as part of this project. Therefore, no impacts to Chinook salmon or its habitat will occur from the proposed project. The proposed project will not affect Chinook.

Indirect Effects: The effects of new bridge shading (0.027 acre) on the Napa River is considered negligible. The bridge may provide a source of cover that will allow smolts to access cooler water and/or presumably better foraging opportunities as well as avoiding predation. No lighting of the bridge will occur.

Avoidance and Minimization Measures

The proposed bridge over the Napa River has been designed to completely span the river. The bridge and its abutments will be constructed entirely within upland areas. The prefabricated bridge would be installed from the bridge on Dunaweal Lane that crosses the Napa River. No new surface flows into the Napa River will occur as a result of the project. Implementation of the SWPPP will minimize erosion and sedimentation and will require temporary work areas to be stabilized following construction.

Implementation of a SWPPP will minimize potential indirect effects, such as erosion and sedimentation. As a result, no take of individuals or loss of habitat for Chinook salmon will occur; therefore, no formal consultation with NMFS will be required for the Chinook salmon.

Compensatory Mitigation

Based on the proposed project plan to avoid impacts to the Napa River there will be no loss of Chinook habitat, including areas for breeding or foraging; therefore, no compensatory mitigation is proposed.

Cumulative Impacts

No projects at the location of the Napa River bridge crossing were identified or within the Napa corridor within Napa County based on a review of CEQAnet. However, routine maintenance on the existing bridge and culvert at Dunaweal Lane and the bridge being constructed as part of this project would occur periodically. Given this work would be subject to its own avoidance and minimization measures, is temporary in nature and no other planned projects were identified at this location, no cumulative impacts to Chinook habitat will occur. No loss of habitat will occur from other planned projects, including residential development projects in the general vicinity of the Vine Trail. Thus, based on

available information, this project is not expected to contribute to or result in cumulative impacts to Chinook habitat.

CALIFORNIA RED-LEGGED FROG (*RANA DRAYTONII*)

The California red-legged frog was federally listed as threatened in 1996 (USFWS 1996). USFWS finalized designation of critical habitat for the species in 2010 (USFWS 2010a). While the California red-legged frog occurs elsewhere in Napa County, the species is not anticipated to occur in the BSA. Federally designated critical habitat Unit Nap-1 is located in the southeastern portion of Napa County more than 5 miles from the proposed BSA (USFWS 2010a). The BSA is not located within, or adjacent to, Nap-1. Given the status of this species, the red-legged frog is discussed in more detail here. However, it is not anticipated to occur in the project area.

This species is typically found from sea level to elevations of approximately 5,000 feet. Non-breeding California red-legged frogs occupy both aquatic and upland habitats. The majority of individuals prefer dense, shrubby or emergent vegetation, closely associated with deep (>2.3 feet), still, or slow-moving water. However, some individuals use habitats that are removed from aquatic habitats, seeking cover in ground squirrel burrows, under boulders and logs and in non-native grasslands (Tatarian 2008). Upland refugia habitat includes areas up to 295 feet from a stream corridor or breeding pond and includes natural features, such as boulders, rocks, trees, shrubs and logs. In general, densely vegetated terrestrial areas within the riparian corridor provide important sheltering habitat during the winter flooding of the streams (Tatarian 2008).

California red-legged frog movements, from one aquatic water body to another, typically occur to and from breeding habitats. Movement may occur after egg-laying, instead of egg-laying, or when the breeding pond is drying. Radio-tracking has shown the California red-legged frog up to 1.75 miles, in a straight line and over a season (Bulger et al. 2003). Frogs may move across open grasslands and through riparian corridors, sometimes over multiple nights (Bulger et al. 2003, Tatarian 2008, Fellers and Kleeman 2007).

In designating critical habitat for the red-legged frog, the USFWS highlighted four primary constituent elements (PCEs) for the species (USFWS 2010). These PCEs are important for the recovery and survival of the species in the wild

- aquatic breeding habitat – freshwater source capable of holding water 20 weeks in all but the driest years;
- non-breeding aquatic habitat – freshwater bodies and riparian habitat that provide shelter, foraging, predator avoidance and aquatic dispersal for juveniles and adults;
- upland habitat – adjacent to or surrounding breeding and non-breeding aquatic and riparian habitat, up to 300 feet from the water's edge;
- dispersal habitat – both aquatic and upland habitat within 1 mile of one another and connected by barrier-free dispersal habitat that is at least 300 feet in width.

Survey Results

No surveys were conducted for this species as part of this NES. Although the site is within the range of the species, observations in the area have been limited to the eastern portion of Napa County and along the upper western mountains adjacent to the Napa-Sonoma county line. In addition, a review of 16 California red-legged frog protocol level surveys, completed between 2000 and 2013, within the vicinity of the project area on the Napa Valley floor, revealed no presence of California red-legged frog (Caltrans 2020). The BSA does not support the required PCEs for the red-legged frog. Although there are ponds and reservoirs near the proposed trail alignment from which frogs could disperse into the project area, none have been reported in the vicinity recently (CNDDB 2020). This is despite the numerous fish surveys that have been conducted by the Napa County Resource Conservation District in the Napa River. There is one historic sighting reported from Calistoga from 1915, but suitable habitat in the general project area has been extensively modified by agriculture and development (CNDDB 2020). This ongoing, intensive agricultural development makes the upland habitat within the Vine Trail BSA largely unsuitable for California red-legged frogs. The California red-legged frog is not expected to occur on the valley floor.

Project Impacts

Direct Impacts: Based on a lack of suitable habitat in the project area and the low likelihood of occurrence in the general vicinity, no further action or evaluation is required.

Indirect Impacts: Based on a lack of suitable habitat in the project area and lack of reported occurrences in the general vicinity, no further action or evaluation is required.

FOOTHILL YELLOW-LEGGED FROG (*RANA BOYLII*) (FYF)

The northwest/North Coast clade of the foothill yellow-legged frog (*Rana boylii*) is listed by CDFW as an SSC. Elsewhere the species is state listed as threatened. This species typically inhabits rocky streams, preferring streams with cobble-sized substrates (Jennings and Hayes 1994). Occupied drainages range from sea level to 6,700 feet (Jennings and Hayes 1994). Streams in woodlands or chaparral or forest habitat with little to no bank vegetation cover are also preferred (Stebbins 1985). The foothill yellow-legged frog prefers small to moderate-sized streams with at least some cobble-sized substrate (Jennings and Hayes 1994). This aquatic frog rarely uses upland habitat areas outside of riparian corridors.

Survey Results

No surveys were conducted for this species. This species has been reported in the Napa River just south of Dunaweal Lane (CNDDB 2020). Within the project area, Nash Creek and Hirsch Creek are ephemeral in the late summer and fall months and individuals will move upstream to where water flows are perennial. Suitable aquatic habitat for foothill yellow-legged frog is present within the BSA at the location of the proposed trail crossing over the Napa River. The riparian habitat on the east side of the Napa River is within the 100-year flood zone and the bridge footings will be placed outside this area. Landscaping trees occur on the west side of the Napa River in the area of the proposed bridge footings, which will be placed outside the OHWM.

Project Impacts

Direct Impacts: The AMMs at the beginning of this chapter will prevent take of individuals. The footings for the bridge on the Napa River will be placed 50 feet from the top of bank in the upland habitat outside the OHWM. It is highly unlikely that foothill yellow-legged frogs use the upland areas surrounding the Napa River within the BSA based on the lack of reported sightings during surveys conducted for fish along the Napa River (CNDDB 2020). As a result, the project will not have any direct impacts on the species or result in the loss of habitat. BMPs will prevent direct impacts to waterways.

Indirect Impacts: Potential indirect effects from this project include disturbances from construction-related activities and dust. No degradation to water quality is anticipated as a result of the proposed project. Sediment and erosion control BMPs as specified in a Storm Water Pollution Prevention Plan (SWPPP) will minimize potential indirect effects, such as sedimentation, to water quality downstream. In addition, a streambed alteration agreement will be obtained from CDFW for areas where the project would be within CDFW jurisdiction. The streambed alteration agreement will have protections to prevent take of species of special concern, such as foothill yellow-legged frog. As a result, no take of individuals or loss of habitat for foothill yellow-legged frog is anticipated.

Avoidance and Minimization Measures

Implementation of the general AMMs in this chapter and implementation of measures required by a streambed alteration agreement from CDFW will avoid and minimize impacts to foothill yellow-legged frogs. The requirements of the streambed alteration agreement would be incorporated into the project specifications. Anticipated AMMs are included below:

- Several design components and staging areas have been relocated to avoid and reduce work within riparian areas and drainages.
- No permanent lighting would be constructed along the trail. No nocturnal work would be conducted in areas adjacent to potential foothill yellow-legged frog habitat.
- To the extent practicable, in areas where foothill yellow-legged frogs may occur, construction would be restricted to April 15 to October 15, when foothill yellow-legged frogs are least likely to disperse into upland habitat during dry hotter weather.
- Wildlife Exclusion Fencing (WEF). Prior to the start of construction, specific areas that may be in proximity of or adjacent to foothill yellow-legged frog habitat and may require exclusion fencing would be identified by a CDFW-approved biologist and shown on the project design plans. The installation of the fencing will be directed by the qualified biologist in coordination with the Resident Engineer. The bid solicitation package special provisions will clearly describe acceptable fencing material and proper WEF installation and maintenance. The WEF will remain in place throughout the duration of the project, while construction activities are ongoing, and will be regularly inspected and maintained. The WEF will be completely removed upon

completion of project-related activities within these areas and the areas returned to pre-construction condition or better.

- To prevent foothill yellow-legged frogs from becoming entangled or trapped in erosion control materials, plastic mono-filament netting (e.g. erosion control matting) or similar material will not be used. Acceptable substitutes include coconut coir matting or tackified hydroseeding compounds.
- Preconstruction surveys will be conducted by a CDFW-approved biologist within 72 hours prior to the initiation of any ground-disturbing activities within or adjacent to suitable foothill yellow-legged frog habitat. Visual encounter surveys will be conducted within areas subject to ground-disturbing activities. All suitable aquatic and upland habitats, including refugia habitat such as under shrubs, downed logs, small woody debris, burrows, etc., will be thoroughly inspected.
- If foothill yellow-legged frogs are observed during preconstruction surveys or during active construction, all construction activities within 50 feet of the animals will be stopped. Using best professional judgment, the CDFW-approved biologist may determine that project activities can be resumed without harming or injuring the animal(s). At no time shall work occur within 50 feet of the animal without a biological monitor present.

The above measures would benefit other amphibian and aquatic reptile species present within the BSA.

Compensatory Mitigation

The direct and indirect effects of this project are insignificant and all temporarily disturbed areas will be restored to pre-construction function and value. No compensatory mitigation for foothill yellow-legged frogs is proposed for this project.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and Caltrans both have plans for future highway and bridge improvements. However, none of these projects are capacity increasing or widening projects and are more routine or maintenance jobs. These projects would be subject to their own environmental review and required to implement measures to avoid and minimize impacts to natural resources. There are no other planned projects, including residential development projects, in the general vicinity of the

Vine Trail. Thus, based on available information, this project is not expected to contribute to or result in cumulative impacts to foothill yellow-legged frog habitat.

The Vine Trail Project would not degrade the conditions for foothill yellow-legged frog in the area of the Napa River. Foothill yellow-legged frogs potentially disturbed by construction activities will have adequate refuge away from the bridge along the riparian corridor during construction. Although the bridge footings will be developed in the upland habitat, they will be situated 50 feet from the top of bank in non-native grasslands and not in riparian habitat. As a result, no permanent loss of habitat for this species is anticipated as part of the proposed project.

There are no proposed projects at the location of the Napa River bridge crossing. However, routine maintenance on the existing bridge and culvert at Dunaweal lane and the proposed bike and pedestrian bridge would occur occasionally. Bridge maintenance would be subject to standard conditions and routine maintenance agreements, and/or permits to minimize impacts to habitat. Given this work would be subject to other requirements, is temporary in nature and no other planned projects were identified at this location, no cumulative impacts to foothill yellow-legged frog habitat will occur. No loss of habitat will occur from other planned projects, including residential development projects in the general vicinity of the Vine Trail. Thus, based on available information and the anticipated impacts are minimal, this project is not expected to contribute to or result in cumulative impacts to foothill yellow-legged frog habitat.

WESTERN POND TURTLE (*EMYS MARMORATA*)

This species is listed by CDFW as an SSC.

This medium-sized turtle ranges in size from 3.5 inches to just over 8 inches with a low carapace that is generally olive, brownish or blackish (Stebbins 2003, Thomson et al. 2016). Primary habitats include permanent water sources such as ponds, streams and rivers. The western pond turtle is often seen basking on logs, mud banks or mats of vegetation, although individuals are generally wary and will often plunge for cover after detecting movement from a considerable distance.

Although the turtle is an aquatic species with webbed feet, it can move across land in response to fluctuating water levels, an apparent adaptation to the variable rainfall and unpredictable flows that occur in many coastal California drainage basins (Rathbun et al*.* 1993). In addition, the species can over-winter on land or in water or remain active in the winter, depending on environmental conditions

(Rathbun et al. 1993; Thomson et al. 2016). Females travel from aquatic sites into open, grassy areas to lay eggs in a shallow nest (Holland 1992; Rathbun et al. 1993). Nests have been reported from 6 – 1,300 feet or more away from water bodies (Thomson et al. 2016).

Survey Results

No surveys for the western pond turtle have been conducted for this project. The turtle has been observed in the Napa River north of the Dunaweal Lane crossing (CNDDB 2020) and is likely to occur in the BSA in the Napa River. No suitable upland nesting habitat occurs in the vicinity of proposed abutments that will be constructed for the trail crossing over the Napa River Bridge due the steep slopes of the Napa River channel which exists between the suitable habitat and the proposed work area, the presence of compacted soils, upland habitat, and landscape trees (pines) within the proposed work areas. No suitable habitat occurs along the trail based on the compacted soils from adjacent vineyard roads and buildings adjacent to the Napa River. Other creeks within the project area, Nash Creek, and Hirsch Creek are ephemeral in the late summer and fall months and no western pond turtles are likely to occur in these areas when construction is occurring, which is proposed for the late summer and fall months. No work is proposed within Mill, York, or Ritchey creeks.

Project Impacts

Direct Impacts: The AMMs presented at the beginning of this chapter will prevent take of individuals; these measures include pre-construction surveys and seasonal timing. Potential direct effects of this project include vegetation clearance prior to construction and activities associated with the placement of the bridge footings in upland areas near the Napa River. Implementation of the avoidance and minimization measures previously described will prevent take of western pond turtle.

The project would permanently or temporarily affect potential dispersal and foraging habitat known to occur in the Napa River within the BSA based on the bridge footings being placed outside the 100-year flood zone. Aquatic habitat (waters and wetland drainages); areas such as Hirsch and Nash Creeks may provide potential dispersal and foraging habitat for western pond turtle; however, work will be conducted during the dry season when the creeks are dry and western pond turtle will not be present.

Any impacts to the western pond turtle resulting from this project are considered minor when factoring in the population of western pond turtle in this region when viewed relative to the total amount of potential foraging habitat for western pond turtle along Napa River. The area of potential temporary effects is also small and the duration of the work at each location is short; with the avoidance and minimization measures in place, the potential temporary effects are discountable. All areas of temporary effects will be restored to pre-construction function and value.

Indirect Impacts: Potential indirect impacts to western pond turtle include disturbances from dust and degradation of water quality from the addition of impervious, roadway surface to the landscape. However, Caltrans SWPPPs and erosion control BMPs will minimize the potential for downstream sedimentation or other adverse water quality effects to occur. No degradation to water quality is anticipated to occur as a result of the proposed project.

Avoidance and Minimization Measures

The AMMs described earlier in this chapter will prevent take of individuals through project timing and prevent loss and degradation of habitat by implementing the SWPPP and BMPs to prevent siltation from any project site moving out of the project area. In addition, the AMMs for foothill yellow-legged frog will prevent take of individual western pond turtles.

Compensatory Mitigation

No compensatory mitigation is proposed for the pond turtle as a part of this project. The direct and indirect effects that could result from this project are considered insignificant, and all temporarily impacted areas will be restored to their pre-construction function and value.

Cumulative Impacts

There are no planned projects along the Napa River in the project vicinity. However, routine maintenance of existing bridges and the new bridge being constructed as part of this project would be conducted periodically. This maintenance would be subject to its own environmental review and mitigation measures. Given this work would be subject to other requirements, is temporary in nature and no other planned projects were identified at this location, no cumulative impacts to western pond turtle habitat will occur. No loss of habitat will occur from other planned projects, including residential development projects in

the general vicinity of the Vine Trail. Thus, based on available information, this project is not expected to contribute to or result in cumulative impacts to western pond turtle habitat.

MIGRATORY BIRDS

Raptors, such as the Cooper's hawk (*Accipiter cooperii*), and passerines (perching birds), such as oak titmouse (*Baeolophus inornatus*) and bushtit (*Psaltriparus minimus*), have a potential to occur in the project area. These species are all protected under the MBTA and CFGC 3503.5 and 3503.

Survey Results

Raptors typically nest in tall trees or shrubs if no trees are available. The Cooper's hawk nests in riparian corridors and have been observed throughout the BSA, typically choosing to utilize the tallest trees in the area. No large sticks capable of supporting nesting raptors were observed in any of the trees proposed for removal. The bushtit and oak titmouse are likely to nest in smaller trees and shrubs along the trail corridor.

Project Impacts

Direct Impacts: Individual raptors and passerines potentially nesting in the riparian trees and landscaped trees within the PIA could be impacted if construction occurs during the nesting season (typically February 1 through August 31). Disturbance during the nesting season may cause adults to abandon eggs and/or nestlings. Implementation of the avoidance and minimization measures discussed below will prevent or minimize the likelihood of taking these species. All areas of temporary effects will be restored to preconstruction quality and function.

Indirect Impacts: Potential indirect effects to raptors and passerines include disruptions in foraging and nesting behavior due to increases in pedestrian volumes. However, future increases in noise from pedestrians are unlikely to adversely affect raptors that occupy the project area post-project because this increase in noise is unlikely to rise above ambient noise levels of SR 29 and on-going agricultural activities. The pedestrian use of the bridge crossing at Napa River will not cause the ambient noise to rise above the existing traffic noise. Therefore, no change in bird behavior will occur from the proposed project.

All temporarily disturbed areas would be restored within one season following construction. Construction-related disturbances will be temporary and short in

duration, and implementation of the avoidance and minimization measures described below will minimize the likelihood of the take of migratory birds during construction. Indirect impacts may result from the loss of nesting habitat; however, the replanting of vegetation will offset the loss of potential nesting habitat (trees) within the BSA.

Avoidance and Minimization Measures

The AMMs described earlier in this chapter will prevent take of individuals.

Implementation of the following additional avoidance and minimization measures would minimize the likelihood of take (e.g., harassment, disturbance) of individual nesting birds within or adjacent to the PIA:

- Removal of nesting trees will be conducted from September 1 to January 31 to avoid the nesting season.
- If grading between September 1 and January 31 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey of the grasslands and adjacent trees shall be performed by a qualified biologist within 7 days of groundbreaking. If no nesting birds are observed, no further action is required and grading shall occur within one week of the survey to prevent “take” of individual birds that could begin nesting after the survey.
- If active bird nests are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the nest tree(s) until the young have fledged, as determined by a qualified biologist.
- The radius of the required buffer zone can vary depending on the species, (e.g., 300 feet or more for raptors), and will be determined by a qualified biologist in consultation with CDFW and USFWS.
- To delineate the buffer zone around a nesting tree, orange construction fencing shall be placed at the specified radius from the base of the tree within which no machinery or workers shall intrude.
- After the fencing is in place, there would be no restrictions on grading or construction activities outside the prescribed buffer zones.
- If active nests are identified in or immediately adjacent to the BSA, all non-essential construction activities (e.g., equipment storage, meetings) should be avoided in the immediate vicinity of the nest site; however, construction

activities can proceed if the biological monitor has verified that the individual is not likely to abandon the nest during construction.

Compensatory Mitigation

NVTA does not propose compensatory mitigation for non-listed species for this project. Replacement tree replanting, as described above, will provide nesting habitat in the future for these species.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and Caltrans both have plans for future highway and bridge improvements. While, none of these projects are capacity increasing or widening projects and are more routine or maintenance jobs, some future projects could require additional removal of trees and vegetation which provide suitable habitat for migratory birds. However, these projects would be subject to environmental review and required to implement mitigation measures to avoid and minimize impacts to migratory birds. No planned residential or commercial development projects were identified in the general vicinity of the Vine Trail. Therefore, there would be no cumulative impacts to migratory birds and their habitats.

ROOSTING BATS

The pallid bat (*Antrozous pallidus*) and red bat (*Lasiurus blossevillii*) are listed as SSC by CDFW and are also protected under CFGC 86, 2000, 2014, 3007, and CEQA Sections 15380, 15382.

Survey Results

Structures: Statewide, bridges provide significant bat roosting habitat, and it appears that large bat populations are supported by the availability of bridges in California, including along the State Highway System. Because bats show high roost fidelity, older structures may have provided roosting habitat for generations. However, not all bridges available to bats provide the temperature, humidity, stable temperatures and other requirements for bats; such factors vary by building design, materials, location, human activity patterns and by bat species.

A night roost has been reported/observed at the Napa River Bridge on Dunaweal Lane (CNDDB 2020). The bridge does not appear to support a daytime roost; however, specific surveys have not yet been conducted for this project. During the

maternity season, non-volant young of colonial bats remain in the daytime roost until late summer (end of August), after which they may disperse from the natal roost or remain into or throughout the winter. During winter months, bats typically enter torpor, rousing only occasionally to drink water or opportunistically feed on insects. The onset of torpor is dependent upon environmental conditions, primarily temperature and rainfall. Individual trees may provide suitable roosting habitat for individuals and small colonies. As a result, in this region of California, bats are considered inactive year-round and will occupy areas as hibernacula (winter roosts). To prevent direct mortality of either non-volant young or torpid bats during winter months, roosts must not be disturbed or destroyed until bats are seasonally active.

Trees: Bats may also roost in trees such as landscaped trees, mature trees and any snags located within the BSA. Direct mortality of bats roosting may occur as a result of tree removal and bridge construction if conducted during the maternity season (April 15 through August 31) or hibernacula season (October 15 through March 1). Removal of trees while bats are occupying them may result in "take" of individuals.

No roosting bat habitat surveys were conducted for this NES. There is potential that the landscaped and native trees on site may provide roosting habitat for the above-mentioned species.

Project Impacts

Direct Impacts: Construction of the bike path bridge adjacent to the existing Napa River Bridge on Dunaweal Lane crossing may cause direct mortality of roosting bats if construction occurs during seasonal periods of inactivity (e.g., maternity season or winter season). Light and noise from construction activities are highly likely to cause bats to either avoid night-roosting at the bridge, or roost in smaller numbers. Using lights directed away from the existing bridge towards the new construction area will increase ambient light near the bridge and could cause bats to avoid the existing bridge night roost. To prevent roost abandonment, construction activities should be limited to daylight hours, including construction of the bridge abutments.

Tree removal during the maternity or hibernacula seasons may cause mortality of roosting bats. Many trees typically have numerous cavities, crevices, or large areas of exfoliating bark where bats may roost. This is particularly true of snags in poor condition; however, snags provide some of the most preferred and substantial

bat tree roost habitat. Removal of habitat or disturbance within 100 feet, depending on the surroundings, may result in roost abandonment.

Indirect Impacts: No indirect impacts would occur from the proposed project.

Avoidance and Minimization Measures

The following avoidance and minimization measures shall be followed to avoid or minimize impacts to roosting bats that may potentially roost in the PIA, including on the Napa River Bridge or within trees proposed for removal:

- A daytime bat habitat assessment will be conducted by a qualified bat biologist in advance of construction. Based on the results of the daytime habitat assessment, additional surveys may be required (e.g., a nighttime emergence survey). The bat habitat assessment will evaluate the suitability of habitat on the existing Napa River Bridge and in the trees to be removed. If no suitable bat habitat or evidence of bats is present, no further action will be required and construction can begin at any time. If individual bats, suitable bat habitat or evidence of bats is present, additional measures would be implemented based on site-specific recommendations by a qualified bat biologist and could include any of the following measures described in this section below.

- The construction of the footings for the bridge will be placed an estimated 28 feet from the existing Napa River Bridge. To prevent disturbance to daytime roosting bats, if present, construction will occur outside the maternity season (April 15 to August 15) and winter torpor season (October 15 to February 28). If no daytime roosting habitat is present, as determined by the bat habitat assessment, then no seasonal limitations will apply to construction of the bridge over the Napa River.

- For those trees that may provide habitat for bats, tree removal must only occur during seasonal periods of bat activity, unless otherwise cleared through a pre-construction survey by a qualified biologist. Tree removal should be avoided between March 15 (or after evening temperatures rise above 45°F and/or rainfall and/or no more than 0.5 inch of rainfall within 24 hours occurs) and April 30, prior to parturition of pups. The next acceptable period for tree removal with suitable roosting habitat is after pups become fully volant, typically between August 31 and about October 15 (or before evening temperatures fall below 45°F and/or more than 0.5 inch of rainfall

within 24 hours occurs).These seasonal restrictions ensure all bats are active (no winter torpid bats, no non-volant young).

- For those trees that may provide habitat for bats, tree removal shall be conducted using a two-step process, preferable over two consecutive days (e.g., Tuesday and Wednesday, or Thursday and Friday).
    - With this method, small branches and small limbs not containing cavity, crevice or exfoliating bark habitat as identified by a qualified bat biologist (who must be present on site during the first day of tree trimming or cutting), are removed first on Day 1, using chainsaws only (no dozers, backhoes, etc.).
    - The following day (Day 2), the remainder of the tree is removed. The disturbance caused by chainsaw noise and vibration, coupled with the physical alteration, has the effect of causing bats to abandon the roost tree after nightly emergence for foraging. Removing the tree the next day prevents re-habituation and re-occupation of the altered tree.
- Non-habitat trees and all other vegetation proposed for removal more than 25 feet from identified habitat trees may be removed immediately, using any suitable means that does not cause damage to the habitat tree.

Compensatory Mitigation

The proposed tree planting will compensate for loss of potential tree roosting habitat. As a result, compensatory mitigation for impacts to bats is not proposed because this project will not result in long-term adverse effects to bats and no habitat loss is anticipated.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and Caltrans both have plans for future highway and bridge improvements. While, none of these projects are capacity increasing or widening projects and are more routine or maintenance jobs, some future projects could require additional removal of trees and vegetation which provide suitable habitat for roosting bats. At the Napa River crossing, maintenance of the existing bridge on SR 29 and proposed bridge on the Vine Trail would occur at regular intervals. The above projects would be subject to their own environmental review

and/or routine maintenance agreements, standard conditions and mitigation measures which would avoid and minimize impacts to roosting bats. No proposed residential or commercial development projects were identified in the general vicinity of the Vine Trail. Thus, there would be no cumulative impacts to roosting bats.

WILDLIFE CORRIDORS

Survey Results

The creeks within the project area likely function as movement corridors for aquatic and terrestrial wildlife species.

Project Impacts

Direct Impacts: The bike trail would cross over York Creek, Mill Creek and Ritchey Creek over existing bridges and culverts. No work would be required in the creeks or in habitat adjacent to these drainages. No new culverts will be added to these drainages. As a result, no direct effects to these resources will occur. The culverts at Hirsch Creek and Nash Creek will be extended by the minimum amount necessary to construct the trail over these creeks. All work near creeks will occur when the creeks are dry. The trail crossing over the Napa River will completely span the river and will not impede the movement of aquatic wildlife.

Indirect Impacts: An influx of recreationists using the trail could disrupt the behavior of native wildlife species. However, existing development in the area, including viticulture and agricultural land use within the Napa Valley, has likely already influenced animal movement patterns in the region. As a result, this project is not expected to change the baseline or adversely affect wildlife movement along and in the vicinity of the trail.

Avoidance and Minimization Measures

No avoidance measures for wildlife corridors are proposed as no adverse effects are anticipated.

Compensatory Mitigation

No compensatory mitigation for wildlife corridors is proposed as no adverse effects or loss in the function of wildlife connectivity are anticipated.

Cumulative Impacts

PG&E may perform maintenance and replacement of their structures along the highway and the County and Caltrans both have plans for future highway and bridge improvements. However, none of these projects are capacity increasing or widening projects and are more routine or maintenance jobs. These projects would be subject to their own environmental review and required to implement measures to avoid and minimize impacts to natural resources. There are no other planned projects, including residential development projects, in the general vicinity of the Vine Trail. Thus, based on available information, this project is not expected to contribute to or result in cumulative impacts to wildlife movement corridors.

Chapter 5 – Conclusions and Regulatory Determinations

Chapter 4 presented the proposed project impacts and the AMMs to prevent take of special status vegetation communities, individual species and their habitats. Chapter 5 presents the permits required for impacts to sensitive biological resources evaluated in Chapter 4.

Permits anticipated for the project are summarized in Table 5-1.

Table 5-1: Permits Anticipated for the Project

Permit	Biological Resource	Agency
Clean Water Act (CWA) Section 404 nationwide permit	Waters of the U.S.	USACE
CWA section 401 water quality certification	Waters of the State	SFBRWQCB
Section 1602 Streambed Alteration Agreement	Riparian area of Napa River; nesting birds; roosting bats	CDFW
Letter of concurrence	Sebastopol meadowfoam, California freshwater shrimp	USFWS
Letter of concurrence	Central California Coast steelhead	NMFS

Federal Endangered Species Act Consultation Summary

The BSA provides suitable habitat for the Sebastopol meadowfoam, freshwater shrimp, and steelhead. Caltrans has held technical assistance meetings with USFWS and NMFS on this project (February and March 2020). Caltrans will seek concurrence on its determinations of how the project may affect federally listed species and federally designated critical habitat in the action area. Based on the analyses presented in this document, Caltrans has made the following determinations pursuant to section 7 of FESA:

- Caltrans has determined that the Vine Trail Project **may affect, is not likely to adversely affect, Sebastopol meadowfoam**. The take of individuals during construction is not anticipated nor is any permanent loss in meadowfoam habitat anticipated as a result of this project. However, the trail crossing over the wetland, which is more than 100 feet upstream of where the meadowfoam was observed, may introduce a new source of shading on the wetland. This could result in long-term changes to the habitat and ability of the meadowfoam to expand into or persist in the vicinity of the new trail. Changes in hydrology could also result in long-term, indirect effects to

meadowfoam habitat. However, through the implementation of AMMs and design features to limit these changes, the likelihood of take is considered discountable.

Caltrans will request informal consultation with USFWS for Sebastopol meadowfoam through a letter of concurrence.

- Caltrans has determined that the Vine Trail Project **may affect, is not likely to adversely affect, California freshwater shrimp**. There would be no in-water work in the Napa River for this project where the species occurs. The project will not result in potential adverse effects on freshwater shrimp and the likelihood of incidental take of freshwater shrimp is insignificant and discountable. This determination is largely attributed to the lack of in-water work where listed freshwater shrimp would occur. Caltrans will request concurrence from USFWS through informal consultation on this determination.
- Caltrans has determined the Vine Trail Project **may affect, is not likely to adversely affect,** CCC steelhead. The project is very unlikely to result in potential adverse effects on steelhead, and the likelihood of incidental take of listed salmonids is insignificant and discountable. This determination is largely attributed to the lack of in-water work where listed salmonids occur. The footings for the new bridge over the Napa River will be placed outside the OHWM and above the 100-year flood zone of the river. All structures for the Napa River Bridge crossing will be installed in upland areas and would not require access or work within the Napa River. As a result, no effects to EFH or CH would occur. Caltrans will initiate informal consultation and request a letter of concurrence from NMFS for the proposed determination for steelhead.

California Endangered Species Act Consultation Summary

NVTA anticipates there is no need to consult with CDFW for the Sebastopol meadowfoam, which is state listed. There will be no take of individuals based on the revised project.

Potential impacts to candidate species for state listing and SSC would be minimized through the implementation of AMMs proposed in this document and through measures identified in the streambed alteration agreement issued by CDFW to NVTA.

Wetlands and Other Waters Coordination Summary

Caltrans will apply for a CWA Section 404 permit from USACE for the placement of fill materials into waters of the U.S. Caltrans will seek concurrence under Nationwide Permit 14 for linear transportation projects, given that the project would result in less than 0.5 acre of loss of waters and wetlands. NVTA will coordinate with the SFBRWQCB to obtain a CWA 401 water quality certification for unavoidable impacts to waters of the state. For waters that are not USACE jurisdictional, but which are waters of the state (e.g. ditches), a waste discharge permit may be required from SFBRWQCB.

NVTA will obtain a 1602 Lake and Streambed Alteration Agreement from CDFW (Fish and Game Code Section 1602) for project work affecting Hirsch and Nash Creeks.

Invasive Species Summary

In compliance with EO 13112, areas disturbed by project construction would be revegetated using native species. No plants designated as exotic by the California Invasive Plant Council (Cal IPC) would be used as part of the seed mix for any revegetation efforts completed for this project.

NVTA will delineate areas of concern on the project plans, if any are identified, and measures will be incorporated into the contract to minimize the spread of invasive species throughout the project area. These precautions could include the inspection and cleaning of construction equipment.

Chapter 6 – References

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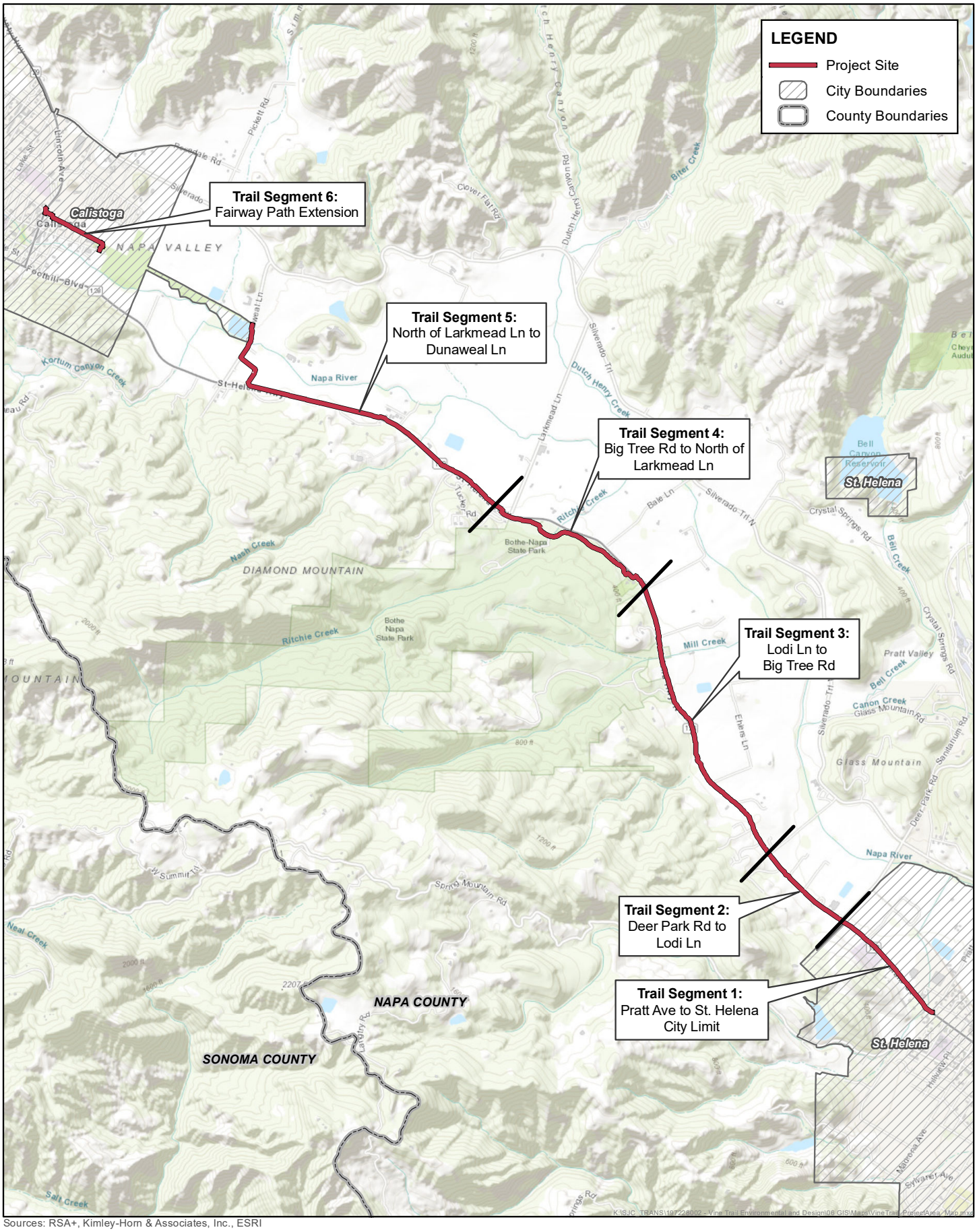
Appendix A – Project Maps

Figure 1. Project Location Map

Figure 2 A – I: Project Impact Area

Figure 3 A – I: Habitats within the Biological Study Area



Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI

FIGURE 1: Project Location Map

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

0 0.5 1 Miles

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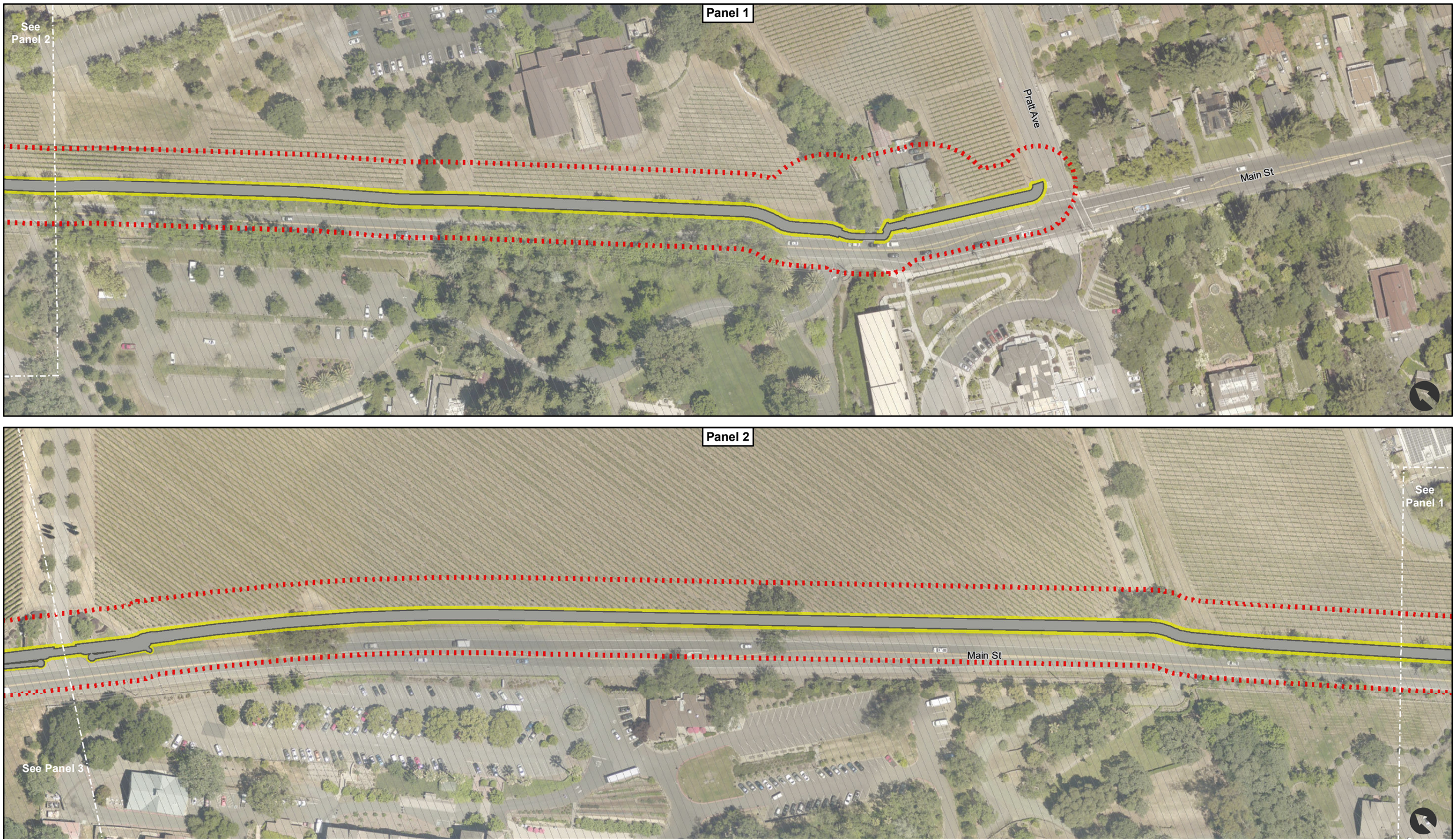

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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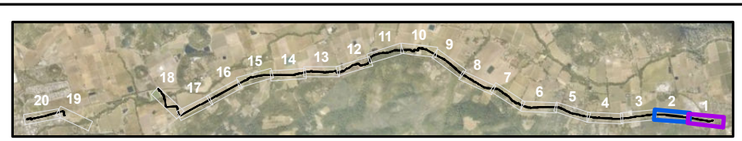
FIGURE 2A: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



0 50 100 Feet

Panel 3

See Panel 4

Deer Park Rd

ST. HELENA

Main St

State Highway 29

See Panel 2

Panel 4

See Panel 3

See Panel 5

York Ln

State Highway 29

Rockland Dr

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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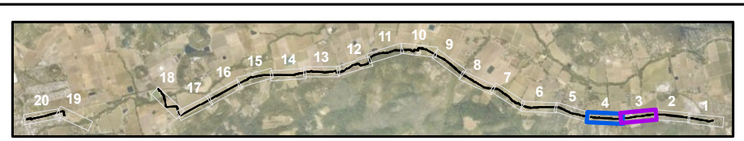
FIGURE 2B: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



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Panel 5

See Panel 6

State Highway 29

Bird Hill Rd

Lodi Ln

See Panel 4

Panel 6

See Panel 7

Ehlers Ln

State Highway 29

See Panel 5

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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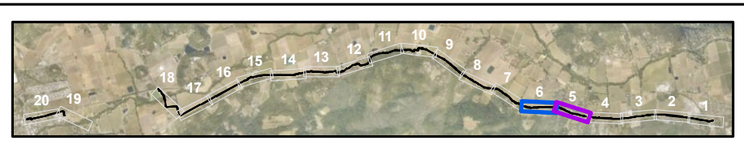
FIGURE 2C: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



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Panel 7

See Panel 6

State Highway 29

See Panel 8

Panel 8

See Panel 9

State Highway 29

Proposed 80 LF freespan bridge

See Panel 7

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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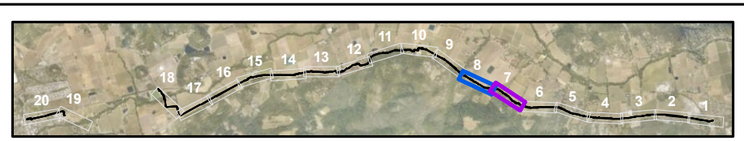
FIGURE 2D: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



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Panel 9

State Highway 29

See Panel 8

See Panel 10

Panel 10

Big Tree Rd

State Highway 29

See Panel 11

See Panel 9

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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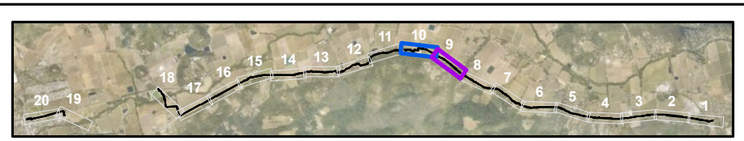
FIGURE 2E: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



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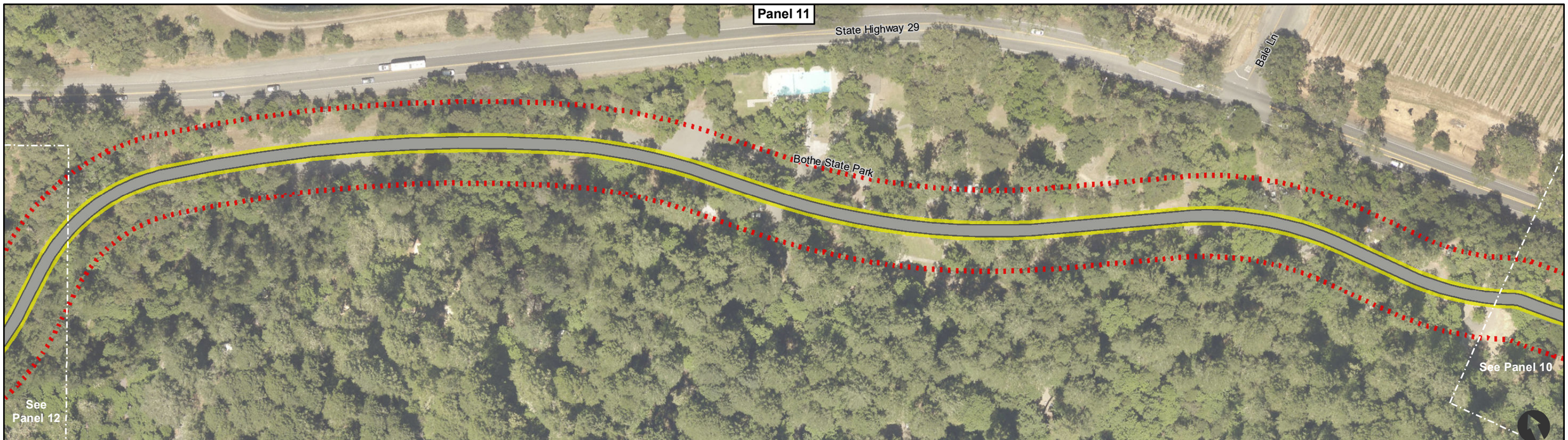

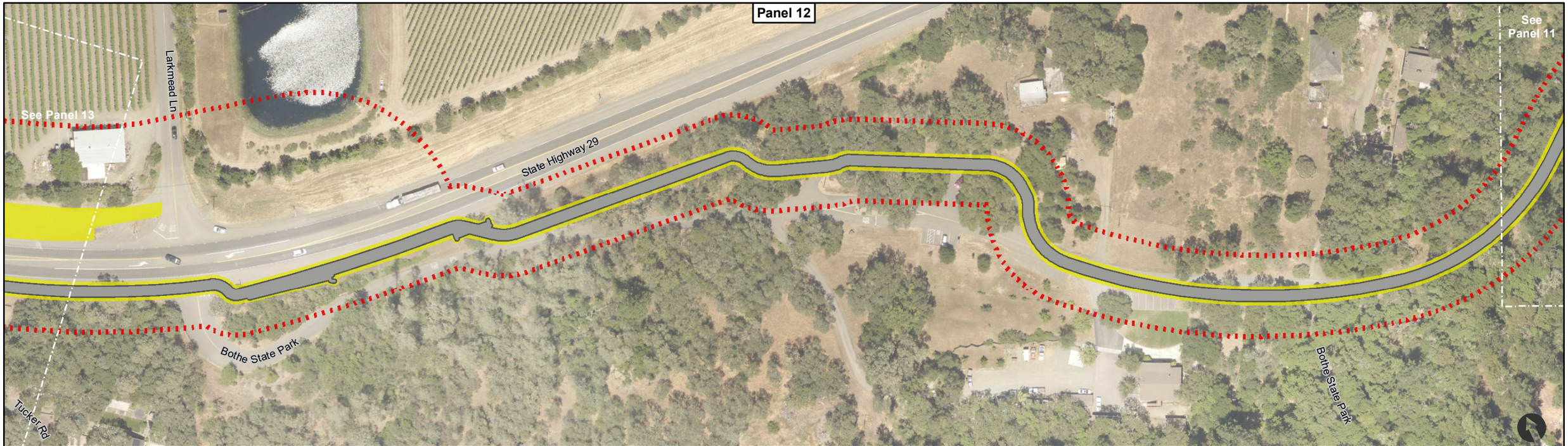

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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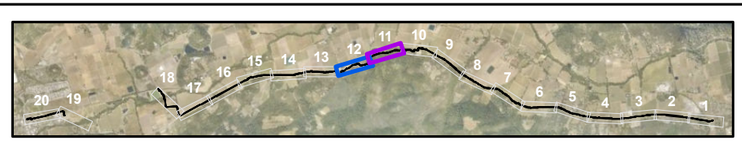
FIGURE 2F: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



0 50 100 Feet

Panel 13

See Panel 12

State Highway 29

Tucker Rd

Tucker Rd

See Panel 14

Panel 14

See Panel 15

State Highway 29

Schramsberg Rd

Petersen Dr

See Panel 13

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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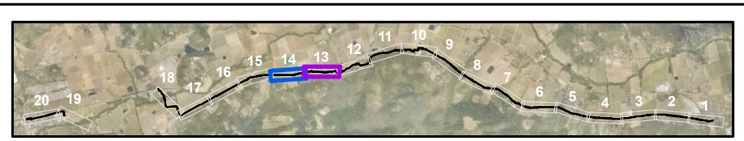
FIGURE 2G: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



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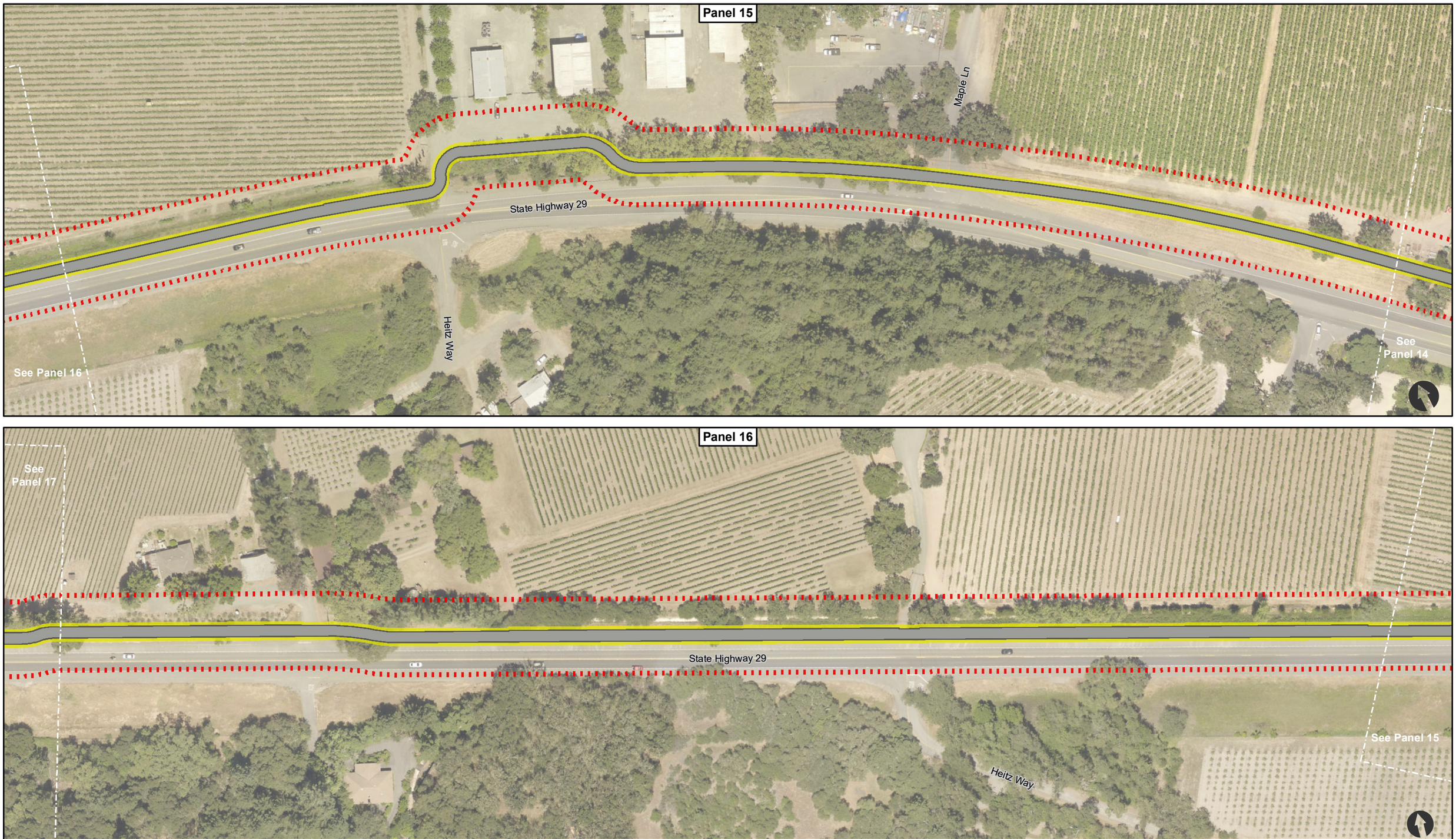

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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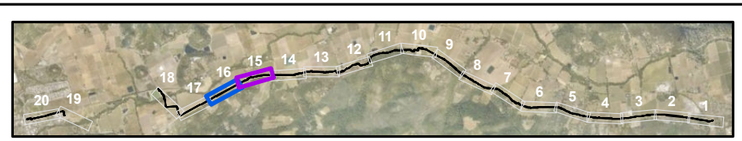
FIGURE 2H: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



0 50 100 Feet

Panel 17

See Panel 18

See Panel 16

Proposed 30 LF freespan bridge

State Highway 29

Azalea Springs Way

Azalea Springs Way

Panel 18

CALISTOGA

Dunaweal Ln

Proposed 114 LF freespan bridge

See Panel 17

Proposed 30 LF freespan bridge

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

KTSJC_TRANS197228002 - Vine Trail Environmental and Design\06 GIS\Maps\VineTrail_ProjectLocationMap_Updated.mxd

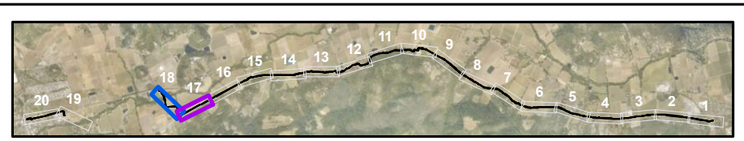
FIGURE 2I: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



0 50 100 Feet

Panel 19

Washington St

See Panel 20

Panel 20

Lincoln Ave

Gerard St

Franklin St

Anna St

Eddy St

Earl St

See Panel 19

Washington St

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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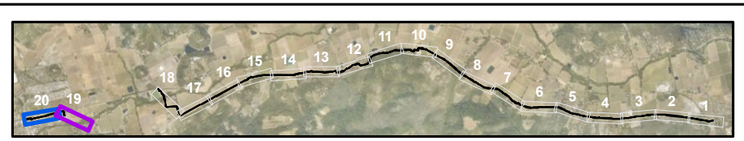
FIGURE 2J: Project Impact Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

Project Impact Area

- Permanent Impacts (11.7 ac)
- Temporary Impacts (9.7 ac)
- Biological Study Area
- City Boundaries



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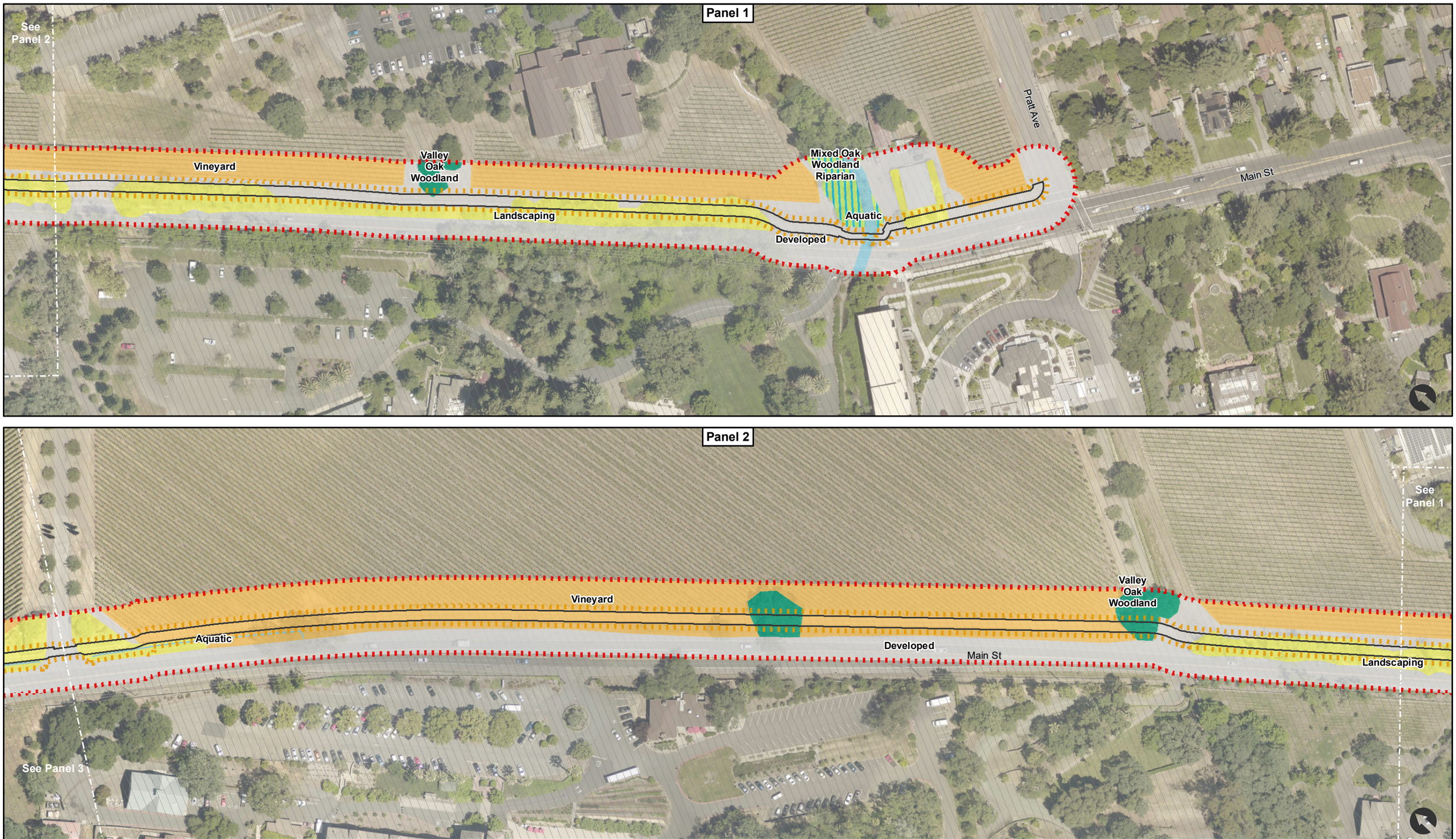

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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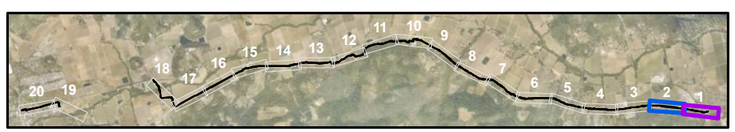
FIGURE 3A: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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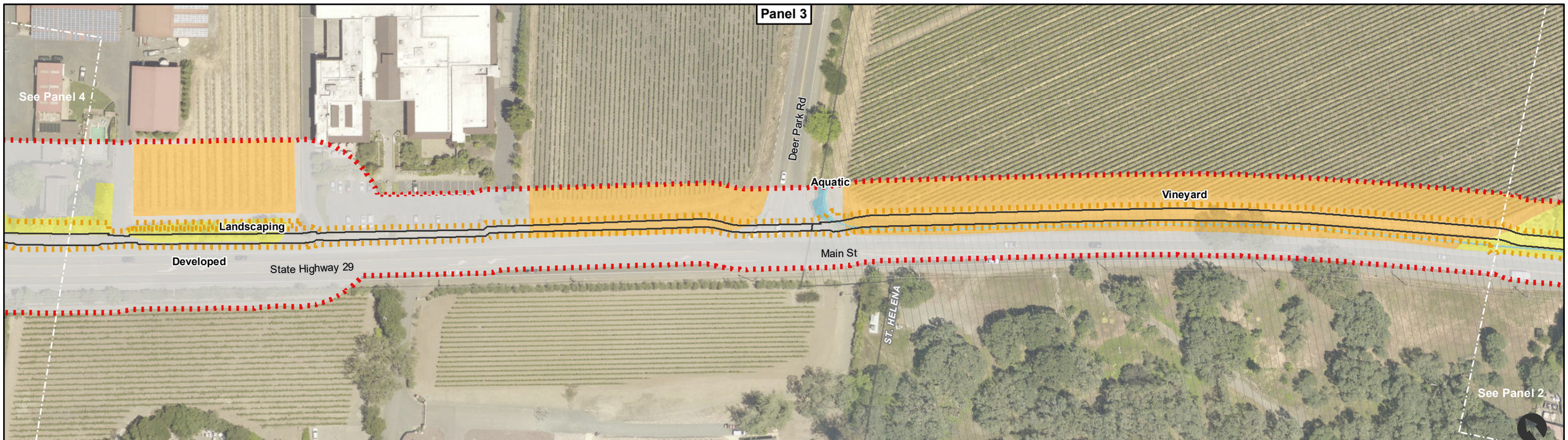

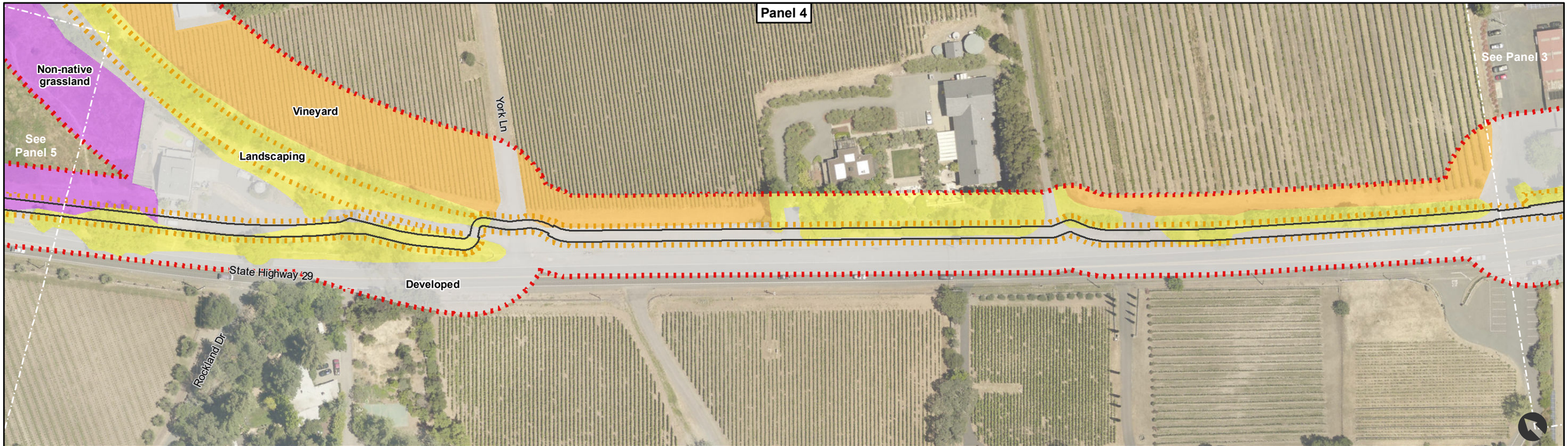

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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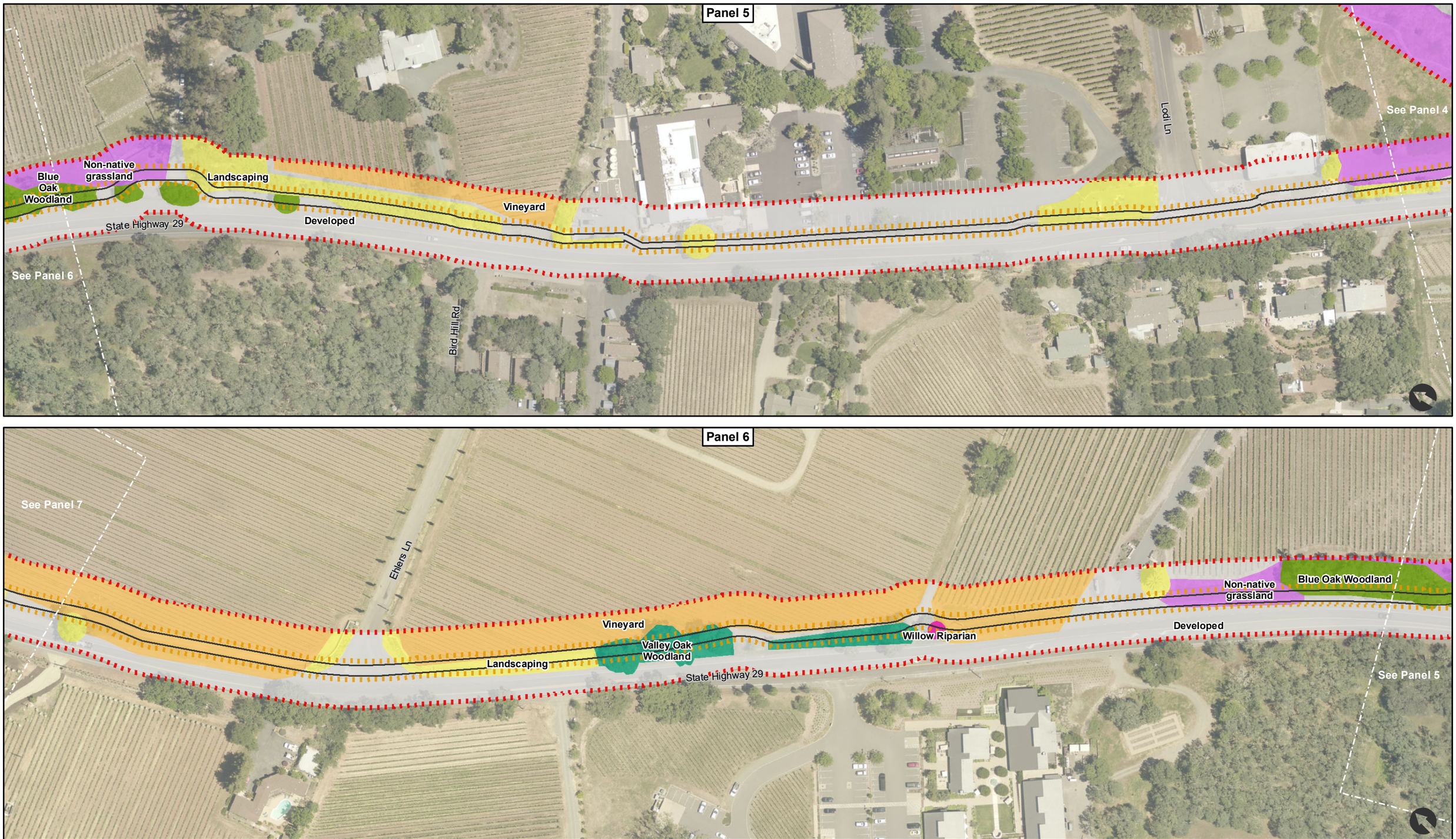
FIGURE 3B: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed

0 50 100 Feet



Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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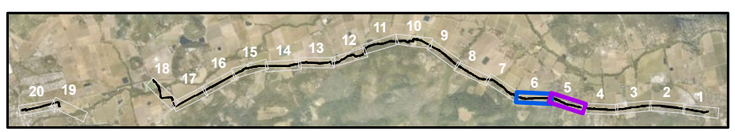
FIGURE 3C: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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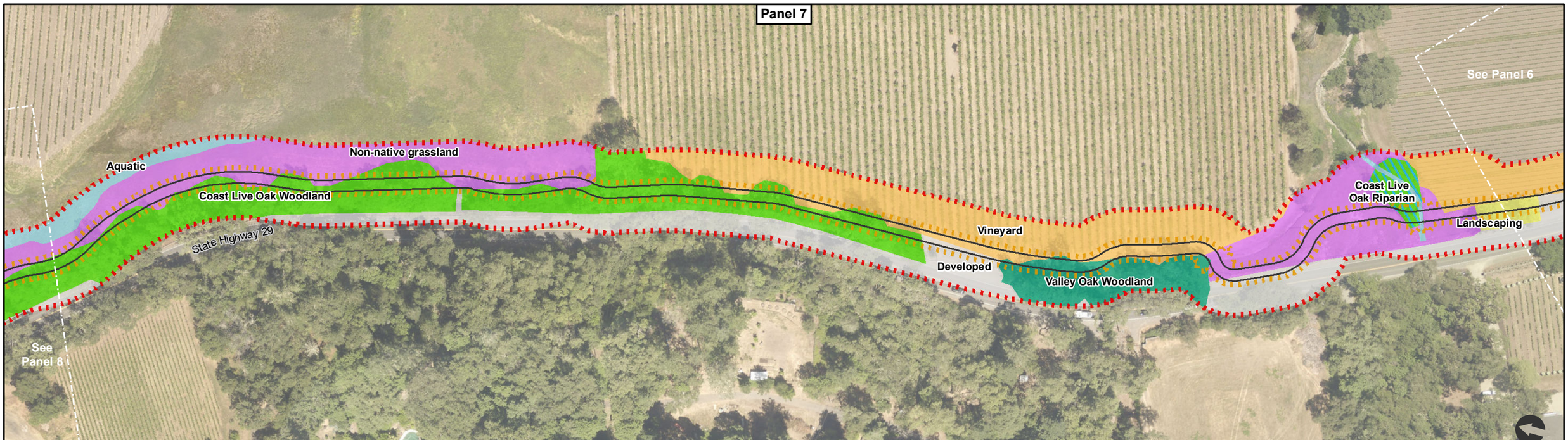

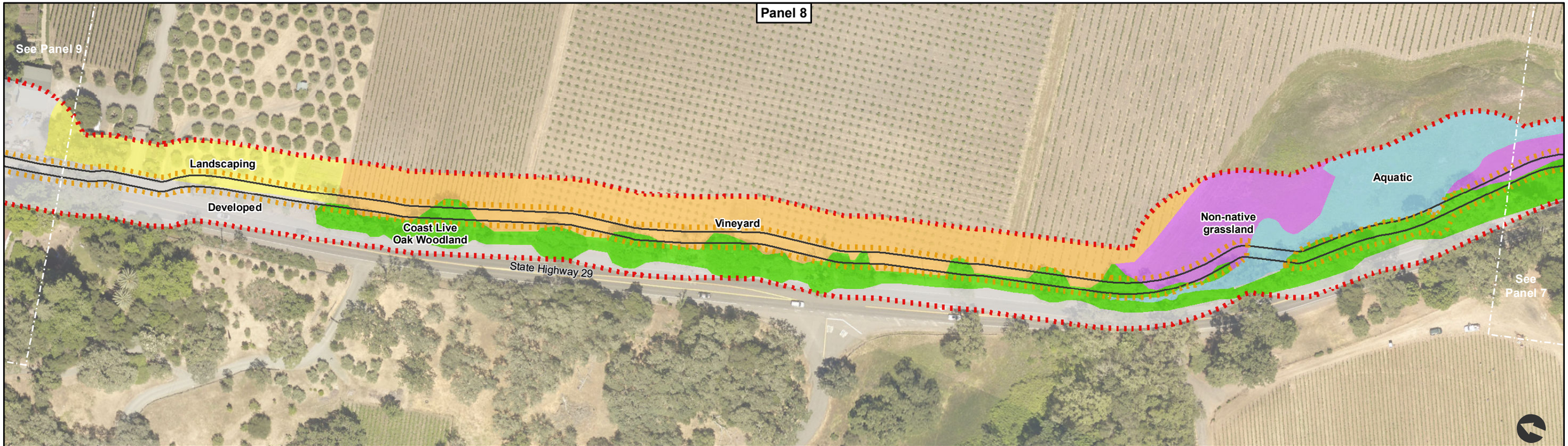

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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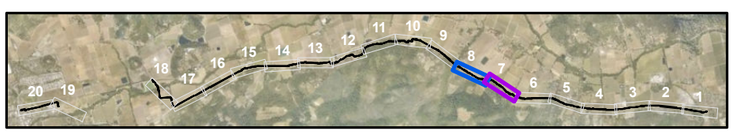
FIGURE 3D: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



0 50 100 Feet

Panel 9

Vineyard

Landscaping

State Highway 29

Developed

Coast Live Oak Riparian

Coast Live Oak Woodland

Aquatic

See Panel 8

See Panel 10

Panel 10

Non-native grassland

Aquatic

Developed

Big Tree Rd

State Highway 29

Landscaping

Vineyard

Coast Live Oak Woodland

See Panel 11

See Panel 9

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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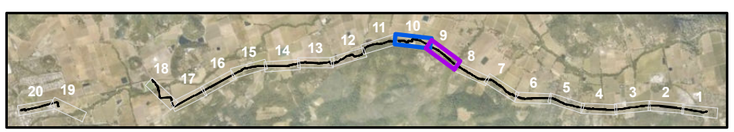
FIGURE 3E: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



0 50 100 Feet

Panel 11

State Highway 29

Bale Ln

Non-native grassland

Developed

Bothe State Park

Coast Live Oak Woodland

See Panel 12

See Panel 10

Panel 12

See Panel 13

Larkmead Ln

Retention Pond

Vineyard

Landscaping

Non-native grassland

Developed

State Highway 29

Coast Live Oak Woodland

Bothe State Park

Tucker Rd

See Panel 11

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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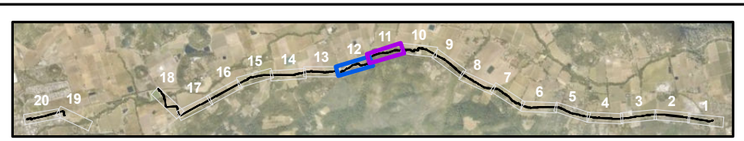
FIGURE 3F: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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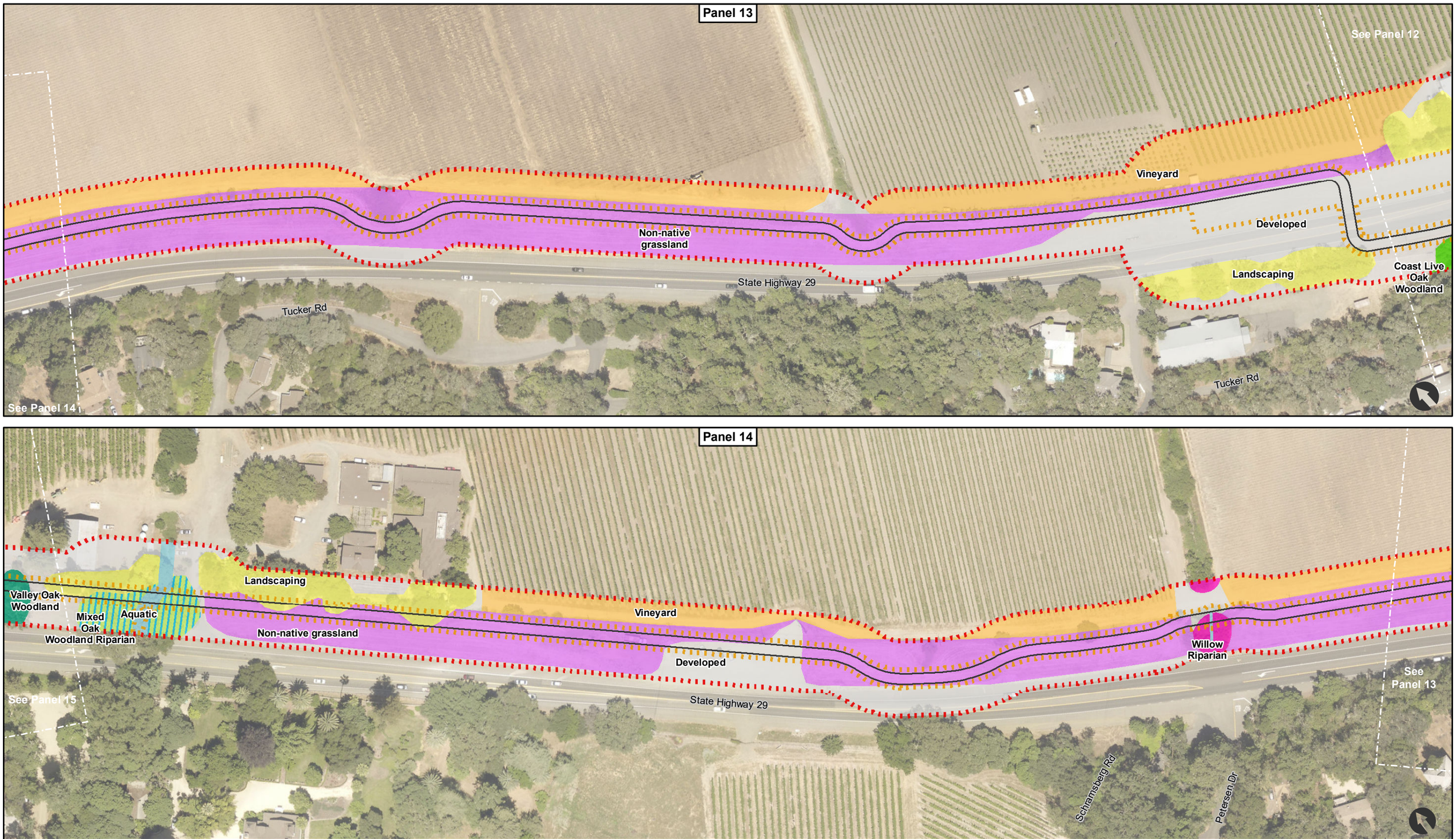

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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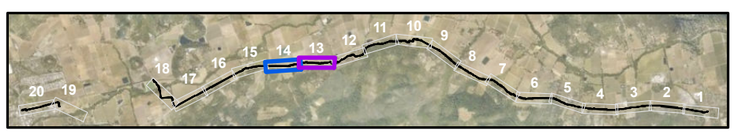
FIGURE 3G: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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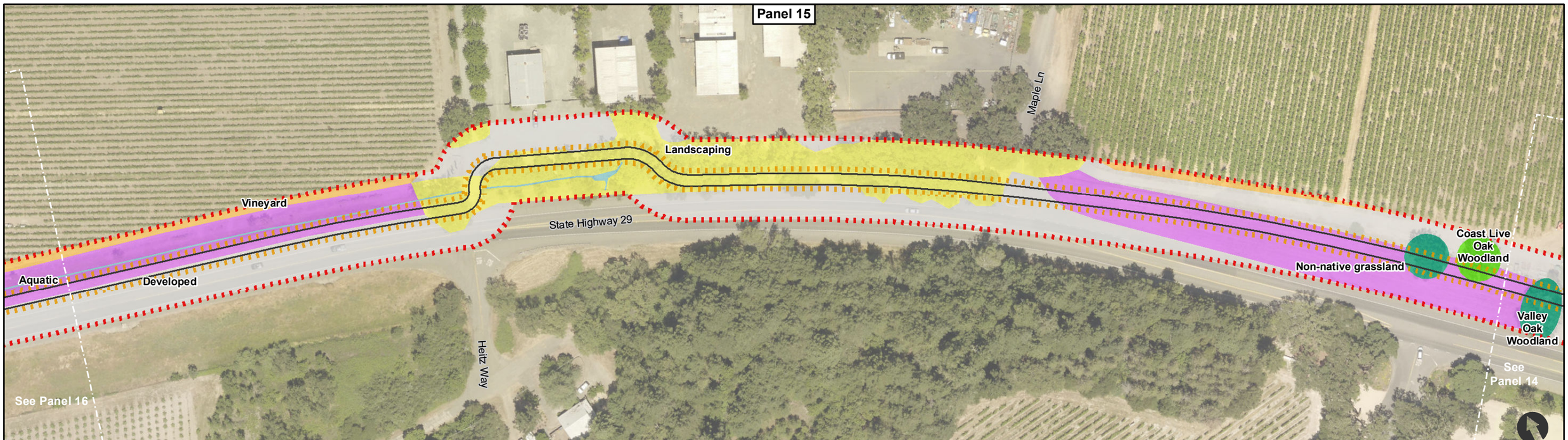

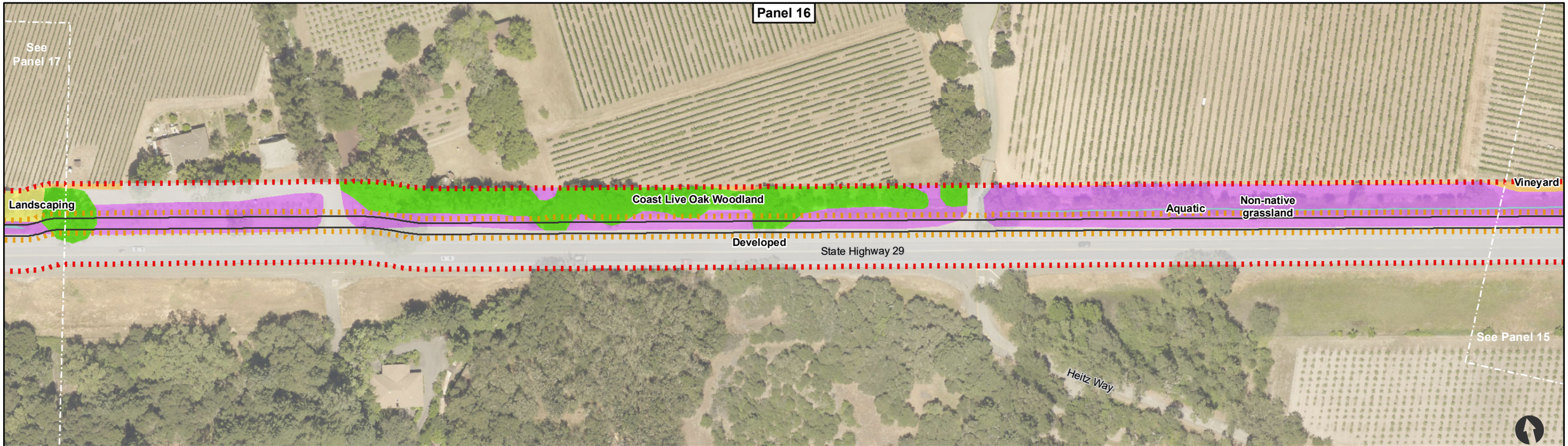

Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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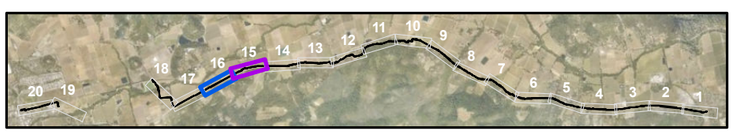
FIGURE 3H: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



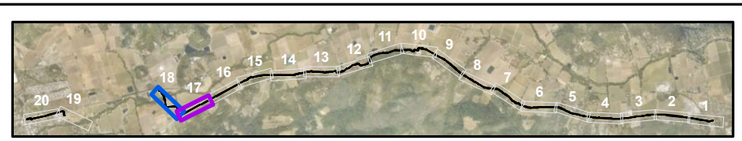
0 50 100 Feet

FIGURE 3I: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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Sources: RSA+, Wildlife Research Association, Kimley-Horn & Associates, Inc., ESRI.

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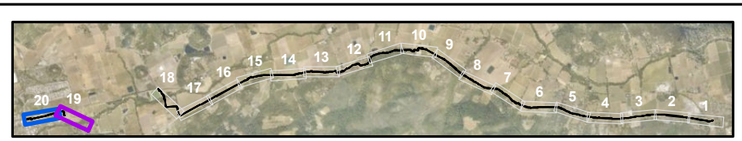
FIGURE 3J: Habitats within the Biological Study Area

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Proposed Project
- Project Impact Area
- Biological Study Area
- City Boundaries
- Aquatic
- Retention Pond
- Blue Oak Woodland
- Coast Live Oak Woodland
- Coast Live Oak Riparian
- Landscaping
- Mixed Oak Woodland Riparian
- Non-native Grassland
- Valley Oak Woodland
- Valley Oak Woodland Riparian
- Vineyard
- Willow Riparian
- Developed



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Appendix B – Species Lists

- CNDDB Lists and Maps
- CNPS Species Lists and Plant Species Observed in the BSA
- Wildlife Species Observed 2016-2019
- USFWS Official Species List

Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database

Query Criteria: Quad IS (St. Helena (3812254) OR Calistoga (3812255))

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
Accipiter striatus sharp-shinned hawk	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	900 900	22 S:1	1	0	0	0	0	0	1	0	1	0	0
Amorpha californica var. napensis Napa false indigo	G4T2 S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden	400 2,100	76 S:18	3	4	4	1	0	6	5	13	18	0	0
Antrozous pallidus pallid bat	G5 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	304 1,760	420 S:7	1	0	0	0	2	4	6	1	5	1	1
Arctostaphylos stanfordiana ssp. decumbens Rincon Ridge manzanita	G3T1 S1	None None	Rare Plant Rank - 1B.1	900 900	12 S:1	0	1	0	0	0	0	0	1	1	0	0
Astragalus claranus Clara Hunt's milk-vetch	G1 S1	Endangered Threatened	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	320 500	6 S:3	0	1	2	0	0	0	0	3	3	0	0
Bombus caliginosus obscure bumble bee	G4? S1S2	None None	IUCN_VU-Vulnerable	700 1,800	181 S:2	0	0	0	0	0	2	2	0	2	0	0
Bombus occidentalis western bumble bee	G2G3 S1	None Candidate Endangered	USFS_S-Sensitive XERCES_IM-Imperiled	300 300	280 S:1	0	0	0	0	0	1	1	0	1	0	0
Brodiaea leptandra narrow-anthered brodiaea	G3? S3?	None None	Rare Plant Rank - 1B.2	400 1,700	39 S:10	1	3	0	0	1	5	2	8	9	1	0
Ceanothus confusus Rincon Ridge ceanothus	G1 S1	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_SBBG-Santa Barbara Botanic Garden	650 650	33 S:1	0	0	0	0	0	1	0	1	1	0	0
Ceanothus divergens Calistoga ceanothus	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	320 1,200	26 S:6	0	2	0	0	0	4	4	2	6	0	0

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Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
Ceanothus purpureus holly-leaved ceanothus	G2 S2	None None	Rare Plant Rank - 1B.2 SB_SBBG-Santa Barbara Botanic Garden	1,000 1,400	43 S:2	0	1	0	0	0	1	1	1	2	0	0
Ceanothus sonomensis Sonoma ceanothus	G2 S2	None None	Rare Plant Rank - 1B.2 SB_SBBG-Santa Barbara Botanic Garden	700 1,900	30 S:2	0	0	0	0	0	2	2	0	2	0	0
Centromadia parryi ssp. parryi pappose tarplant	G3T2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	350 390	39 S:2	0	1	0	0	0	1	1	1	2	0	0
Coastal and Valley Freshwater Marsh Coastal and Valley Freshwater Marsh	G3 S2.1	None None		400 400	60 S:1	0	0	1	0	0	0	1	0	1	0	0
Corynorhinus townsendii Townsend's big-eared bat	G3G4 S2	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	295 1,600	635 S:7	0	1	0	0	0	6	7	0	7	0	0
Dicamptodon ensatus California giant salamander	G3 S2S3	None None	CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	1,165 1,500	234 S:2	0	1	0	0	0	1	1	1	2	0	0
Emys marmorata western pond turtle	G3G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	209 1,350	1385 S:5	1	2	1	0	0	1	1	4	5	0	0
Erethizon dorsatum North American porcupine	G5 S3	None None	IUCN_LC-Least Concern	277 277	523 S:1	0	0	0	0	0	1	0	1	1	0	0
Erigeron greenei Greene's narrow-leaved daisy	G3 S3	None None	Rare Plant Rank - 1B.2	400 400	20 S:1	0	0	0	0	0	1	1	0	1	0	0
Eryngium constancei Loch Lomond button-celery	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	2,060 2,060	4 S:1	0	1	0	0	0	0	1	0	1	0	0
Eryngium jepsonii Jepson's coyote-thistle	G2 S2	None None	Rare Plant Rank - 1B.2	620 620	19 S:1	0	0	0	0	0	1	0	1	1	0	0

Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
Falco peregrinus anatum American peregrine falcon	G4T4 S3S4	Delisted Delisted	CDF_S-Sensitive CDFW_FP-Fully Protected USFWS_BCC-Birds of Conservation Concern	1,700 2,000	56 S:2	1	0	1	0	0	0	1	1	2	0	0
Haliaeetus leucocephalus bald eagle	G5 S3	Delisted Endangered	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	315 315	327 S:1	1	0	0	0	0	0	1	0	1	0	0
Hesperolinon sharsmithiae Sharsmith's western flax	G2Q S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	1,250 1,280	32 S:3	0	1	0	0	0	2	2	1	3	0	0
Lasthenia burkei Burke's goldfields	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden SB_UCBG-UC Botanical Garden at Berkeley		35 S:1	0	0	0	0	0	1	1	0	1	0	0
Layia septentrionalis Colusa layia	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_UCBG-UC Botanical Garden at Berkeley	1,400 1,400	57 S:1	0	0	0	0	0	1	1	0	1	0	0
Leptosiphon jepsonii Jepson's leptosiphon	G2G3 S2S3	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden SB_USDA-US Dept of Agriculture	400 915	51 S:8	1	1	0	1	0	5	2	6	8	0	0
Limnanthes vinculans Sebastopol meadowfoam	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden SB_UCBG-UC Botanical Garden at Berkeley	320 320	46 S:1	0	0	0	0	0	1	0	1	1	0	0
Lupinus sericatus Cobb Mountain lupine	G2? S2?	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	400 2,400	46 S:10	0	0	3	0	0	7	9	1	10	0	0

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Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
Myotis thysanodes fringed myotis	G4 S3	None None	BLM_S-Sensitive IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	360 360	86 S:1	0	0	1	0	0	0	0	1	1	0	0
Myotis yumanensis Yuma myotis	G5 S4	None None	BLM_S-Sensitive IUCN_LC-Least Concern WBWG_LM-Low-Medium Priority	304 304	265 S:1	1	0	0	0	0	0	0	1	1	0	0
Navarretia leucocephala ssp. bakeri Baker's navarretia	G4T2 S2	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive	300 660	64 S:2	1	0	0	0	1	0	2	0	1	0	1
Northern Vernal Pool Northern Vernal Pool	G2 S2.1	None None		706 706	20 S:1	0	0	0	0	0	1	1	0	1	0	0
Oncorhynchus mykiss irideus pop. 8 steelhead - central California coast DPS	G5T2T3Q S2S3	Threatened None	AFS_TH-Threatened	600 600	44 S:1	0	1	0	0	0	0	0	1	1	0	0
Penstemon newberryi var. sonomensis Sonoma beardtongue	G4T2 S2	None None	Rare Plant Rank - 1B.3	1,400 1,400	11 S:1	0	0	0	0	0	1	1	0	1	0	0
Plagiobothrys strictus Calistoga popcornflower	G1 S1	Endangered Threatened	Rare Plant Rank - 1B.1 SB_UCBG-UC Botanical Garden at Berkeley	300 400	3 S:3	0	2	0	0	0	1	1	2	3	0	0
Poa napensis Napa blue grass	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	340 400	2 S:2	0	2	0	0	0	0	0	2	2	0	0
Progne subis purple martin	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	400 1,820	71 S:3	0	0	0	0	0	3	3	0	3	0	0
Puccinellia simplex California alkali grass	G3 S2	None None	Rare Plant Rank - 1B.2	400 400	80 S:1	0	0	0	0	0	1	1	0	1	0	0
Rana boylii foothill yellow-legged frog	G3 S3	None Candidate Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened USFS_S-Sensitive	209 1,500	2468 S:4	0	2	0	0	1	1	2	2	3	0	1

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Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
Rana draytonii California red-legged frog	G2G3 S2S3	Threatened None	CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable	300 930	1543 S:2	0	0	0	0	2	0	2	0	0	1	1
Sidalcea hickmanii ssp. napensis Napa checkerbloom	G3T1 S1	None None	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden		2 S:1	0	0	0	0	0	1	1	0	1	0	0
Sidalcea oregana ssp. hydrophila marsh checkerbloom	G5T2 S2	None None	Rare Plant Rank - 1B.2	1,800 1,800	35 S:1	0	0	0	0	1	0	1	0	0	1	0
Spergularia macrotheca var. longistyla long-styled sand-spurrey	G5T2 S2	None None	Rare Plant Rank - 1B.2	350 400	22 S:2	0	0	0	0	0	2	1	1	2	0	0
Streptanthus hesperidis green jewelflower	G2 S2	None None	Rare Plant Rank - 1B.2	1,300 1,300	19 S:1	0	1	0	0	0	0	0	1	1	0	0
Syncaris pacifica California freshwater shrimp	G2 S2	Endangered Endangered	IUCN_EN-Endangered	358 358	20 S:1	0	1	0	0	0	0	0	1	1	0	0
Taricha rivularis red-bellied newt	G4 S2	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	1,000 1,000	136 S:1	0	0	0	0	0	1	1	0	1	0	0
Trichostema ruygtii Napa bluecurls	G1G2 S1S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden	1,720 1,720	19 S:1	0	0	0	0	0	1	0	1	1	0	0
Trifolium hydrophilum saline clover	G2 S2	None None	Rare Plant Rank - 1B.2	345 400	49 S:2	0	1	0	0	0	1	1	1	2	0	0

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Plant species observed during 2013 to 2020 surveys – Napa Valley Vine Trail

Scientific Name	**Common Name**
Acacia sp.	Acacia*
Acer macrophyllum	Big-leaf maple
Acmispon americanus	Spanish lotus
Acmispon brachycarpus	Short podded lotus
Aesculus californica	California buckeye
Aira caryophyllea	European hair grass*
Alisma trivale	Northern water plantain
Alnus rhombifolia	White alder
Amsinckia intermedia	Common fiddleneck
Amsinckia menziesii	Fiddleneck
Anthoxanthum odoratum	Sweet vernal grass*
Anthriscus caucalis	Bur chervil*
Arbutus menziesii	Madrone
Arctostaphylos manzanita ssp. glaucescens	White leaf common manzanita
Arctostaphylus manzanita ssp. manzanita	Common manzanita
Aristolochia californica	California pipe vine
Artemisia douglasiana	Mugwort
Avena barbata	Wild oats*
Avena sativa	Oats*
Baccharis pilularis	Coyote brush
Beckmannia syzigachne	American sloughgrass
Brassica nigra	Black mustard*
Briza maxima	Large quaking grass*
Bromus carinatus	California brome
Bromus diandrus	Ripgut brome*
Bromus hordaeceus	Soft chess*
Bromus laevipes	Narrow flowered brome
Bromus sp.	Brome
Calendula arvensis	Field marigold*
Callitriche sp.	Water starwort
Calochortus amabilis	Golden fairy lantern
Calycanthus occidentalis	Spicebush
Carduus pycnocephalus	Italian thistle*
Carex barbarae	Santa Barbara sedge
Carex densa	Dense sedge
Carex sp.	Sedge

Scientific Name	**Common Name**
Centaurea solstitialis	Yellow star thistle*
Cerastium glomeratum	Large mouse ears*
Cercocarpus betuloides	Mountain mahogany
Chloragalum pomeridianum	Soaproot
Cichorium intybus	Chicory*
Clarkia affinis	Chaparral fairfan
Clarkia gracilis ssp. gracilis	Graceful clarkia
Clarkia purpurea ssp. purpurea	Purple clarkia
Claytonia parviflora	Narrow leaved miner's lettuce
Claytonia perfoliata	Miner's lettuce
Conium maculatum	Poison hemlock*
Convolvulus arvensis	Bindweed*
Croton setiger	Doveweed*
Cupressus semperivens	Mediterranean cypress*-landscape tree
Cynoglossum grande	Pacific hound's tongue
Cynosurus echinatus	Dogtail grass*
Cyperus eragrostis	Tall flatsedge
Danthonia californica	California oatgrass
Daucus carota	Queen Anne's lace*
Dichelostemma capitatum	Blue dicks
Dipsacus fullonum	Wild teasel*
Dittrichia graveolens	Stinkwort*
Eleocharis macrostahya	Spike rush
Elymus caput-medusae	Medusa head grass*
Elymus glaucus	Blue wildrye
Epilobium brachycarpum	Willow herb
Epilobium campestre	Smoth boisduvalia
Epilobium densiflorum	Willow herb
Equisetum arvense	Common horsetail
Erigeron canadensis	Horseweed*
Erodium botrys	Big heron bill*
Erodium cicutarium	Red-stemmed filaree*
Eschscholzia californica	California poppy
Eucalyptus globulus	Blue gum*
Euphorbia sp.	Euphorbia*
Festuca californica	California fescue
Festuca idahoensis	Blue fescue
Festuca myuros	Rattail fescue*

Scientific Name	**Common Name**
Festuca occidentalis	Western fescue
Festuca perennis	Ryegrass*
Foeniculum vulgare	Fennel*
Fraxinus latifolia	Oregon ash
Galium aparine	Common bedstraw
Galium porrigens	Climbing bedstraw
Garrya fremontii	Fremont's silk tassel
Genista monspessulana	French broom*
Geranium dissectum	Cut-leaf geranium*
Geranium molle	Crane's bill geranium*
Geranium purpureum	Herb Robert*
Geranium robertianum	Robert's geranium*
Glyceria occidentalis	Mannagrass
Hedera helix	English ivy*
Helminthotheca echioides	Bristly ox-tongue*
Heteromeles arbutifolia	toyon
Hirschfeldia incana	Short pod mustard*
Holcus lanatus	Velvet grass*
Hordeum brachyantherum	Meadow barley
Hordeum marinum ssp. gussoneanum	Mediterranean barley*
Hordeum murinum ssp. leporinum	Hare barley*
Hypericum perforatum	Klamathweed*
Hypochaeris radicata	Rough cat's-ear*
Iris douglasiana	Douglas iris
Juglans hindsii	Northern California black walnut
Juncus mexicanus	Mexican rush
Juncus occidentalis	Slender rush
Juncus patens	Spreading rush
Juncus phaeocephalus	Brown headed rush
Juncus tenuis	Slender rush
Juncus xiphioides	Iris leaved rush
Kickxia elantine	Harp leaved fluellin
Lactuca serriola	Prickly lettuce*
Lamium purpureum	Henbit*
Lathyrus latifolius	Sweet pea*
Lathyrus vestitus	Common pacific pea
Lavendula sp.	Lavender*
Leptosiphon bicolor	True babystars

Scientific Name	**Common Name**
Liqudambar styraciflua	American sweetgum*
Lobularia maritima	Sweet alyssum*
Lonicera hispidula	Pink honeysuckle
Lotus corniculatus	Birds'-foot trefoil*
Lupinus bicolor	Dwarf lupine
Lupinus formosus	Western lupine
Lupinus nanus	Sky lupine
Lysimachia arvensis	Scarlet pimpernel*
Lythrum hyssopifolium	Hyssop loosestrife*
Madia elegans	Common madia
Madia gracilis	Grassy tarweed
Malva parvifolia	Cheeseweed mallow*
Marah fabacea	Manroot
Matricaria discoidea	Pineapple weed
Medicago polymorpha	Bur clover*
Melica californica	California melic grass
Mentha pulegium	Penneyroyal*
Mimulus aurantiacus	Sticky monkeyflower
Mimulus guttatus	Swamp monkeyflower
Nasturtium officinale	Watercress
Nemophila heterophylla	Canyon nemophila
Nemophila menziesii	Baby blue eyes
Nerum oleander	Oleander*
Nicotiana sp.	Tobacco plant*
Olea europea	Olive trees*
Opuntia sp.	Cactus*
Osmorhiza berteroi	Sweetcicely
Paspalum dilitatum	Dallis grass*
Perideridia kelloggii	Kellogg's yampa
Persicaria hydropiperoides	Water pepper
Persiciaria lapathifolia	Common knotweed
Phalaris aquatica	Harding grass*
Pinus sabiniana	Foothill pine, grey pine, bull pine
Pinus sp.	Ornamental pine*
Plantago lanceolata	English plantain*
Platanus racemosa	Sycamore
Poa annua	Annual bluegrass*
Poa bulbosa	Bulbous blue grass*

Scientific Name	**Common Name**
Pogogyne douglasii	Douglas' pogogyne
Polygala californica	milkwort
Polygonum aviculare	Knotweed*
Polypogon monspeliensis	Rabbits foot grass*
Populus fremontii	Cottonwood
Populus sp.	Poplars – planted/landscape trees*
Prunella vulgaris	Self-heal
Prunus sp.	Fruit trees*
Pseudotsuga menziesii	Douglas fir
Quercus agrifolia	Coast live oak
Quercus douglasiana	Blue oak
Quercus garryana	Oregon oak
Quercus kelloggii	Black oak
Quercus lobata	Valley oak
Quercus wislizeni	Interior live oak
Ranuculus californica	California buttercup
Ranunculus occidentalis	Western buttercup
Raphanus raphanistrum	Jointed charlock*
Raphanus sativus	Wild radish*
Rosa gymnocarpa	Wood rose
Rosa spp.	Garden roses*
Rubus armeniacus	Himalayan blackberry*
Rubus leucodermis	Western raspberry
Rubus ursinus	California blackberry
Rumex crispus	Curly dock*
Rumex pulcher	Fiddle dock*
Rumex sp.	Dock*
Rupertia physodes	California tea
Rupertia physodes	California rupertia
Salix exigua	Sandbar willow
Salix laevigata	Red willow
Salix lasiolepis	Arroyo willow
Sambucus nigra ssp. cerulean	Blue elderberry
Sanicula bipinnatifida	Purple sanicle
Sanicula crassicaulis	Sanicle
Scandix pectin-veneris	Shepherd's needle*
Sequoia sempervirens	Coast redwood
Sherardia arvensis	Field madder*

Scientific Name	**Common Name**
Sisrynchium bellum	Blue-eyed grass
Solanum sp.	Solanum
Sonchus asper	Spiny sowthisle*
Sonchus oleraceus	Sow thistle*
Spergula arvensis	Corn spurry*
Spergularia media	Sand spurry*
Spergularia rubra	Purple sand spurry*
Stachys ajugoides	Hedge nettle
Stipa pulchra	Purple needlegrass
Symphoricarpos albus var. laevigatus	Snowberry
Symphoricarpos mollis	Snowberry
Taraxacum officinale	Dandelion*
Torilis arvensis	Field hedge parsley*
Toxicodendron diversilobum	Poison oak
Tragopogon porrifolius	Salsify*
Tribulus terrestris	Puncture vine*
Trifolium hirtum	Rose clover*
Trifolium incarnatum	Scarlet clover*
Trifolium repens	White clover*
Trifolium sp.	Clover
Trifolium subterraneum	Subterranean clover
Triglochim scilloides	Flowering-quillwort
Tritelia hyacinthina	Wild hyacinth
Triticum aestivum	Wheat*
Ulmus americana	American elm*
Umbellularia californica	California bay laurel
Verbascum blattaria	Moth mullein
Veronica americana	American brooklime
Veronica arvensis	Speedwell*
Vicia benghalensis	Purple vetch*
Vicia sativa	Spring vetch*
Vicia villosa	Hairy vetch*
Vinca major	Periwinkle*
Vitis californica	California grape
Vitis vinifera	Wine grapes*
Wyethia angustifolia	Narrow leaf mule ears

***** non-native species

Wildlife species observed 2016 – 2019 – Napa Valley Vine Trail

Scientific Name	Common Name
Amphibians	
Pseudacris regilla	Pacific treefrog
Birds	
Aphelocoma californica	Western scrub jay
Baeolophus inornatus	Oak titmouse
Calypte anna	Anna's hummingbird
Cathartes aura	Turkey vulture
Colaptes auratus	Northern flicker
Corvus brachyrhynchos	American crow
Junco hyemalis	Dark-eyed junco
Melanerpes formicivorus	Acorn woodpecker
Pipilo crissalis	California towhee
Pipilo maculatus	Spotted towhee
Poecile rufescens	Chestnut backed chickadee
Sayornis nigricans	Black phoebe
Thryomanes bewickii	Bewick’s wren
Mammals	
Antrozous pallidus	Pallid bat
Myotis sp.	Myotis bat species
Procyon lotor	Raccoon (sign)
Tadarida brasiliensis	Mexican free-tailed bat
Thomomys bottae	Botta’s pocket gopher
Mephitis mephitis	Striped skunk (sign)

United States Department of the Interior

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

In Reply Refer To:
Consultation Code: 08ESMF00-2020-SLI-1334
Event Code: 08ESMF00-2020-E-04257
Project Name: Napa Valley Vine Trail

March 13, 2020

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

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

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

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

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

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

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

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

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

Attachment(s):

- Official Species List

Official Species List

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

This species list is provided by:

Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
(916) 414-6600

Project Summary

Consultation Code: 08ESMF00-2020-SLI-1334

Event Code: 08ESMF00-2020-E-04257

Project Name: Napa Valley Vine Trail

Project Type: RECREATION CONSTRUCTION / MAINTENANCE

Project Description: The proposed project includes two segments of a Class I bicycle/ pedestrian trail. First, the Napa Valley Vine Trail – The City of St. Helena to City of Calistoga segment ("proposed project") is an approximately 6.8-mile Class I bicycle/pedestrian trail within Caltrans and public right-of-way, and on State Park land and private property easements. The south end of the segment would terminate in St. Helena at postmile NAP 29.244 at Pratt Avenue at the location of a future segment of the Vine Trail, and the north end would terminate at an existing segment of the Vine Trail at Dunaweal Lane in Calistoga at postmile NAP 35.308.

An additional segment called the Fair Way Path Extension would be constructed at the same time as the St. Helena to Calistoga segment. The Fair Way Extension would be a 0.6-mile Class I trail that extends north from an existing segment of the Napa Valley Vine Trail, from Washington Avenue in Calistoga at NAP 36.454 to the intersection of Fair Way and Lincoln Avenue in Calistoga at NAP 37.22.

Trail construction is anticipated to take approximately 9-12 months and occur in the spring or summer months of either 2021 or 2022. The work may be phased along the alignment to adhere to seasonal work limits.

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/38.57839166777771N122.57436990885788W

Counties: Napa, CA

Endangered Species Act Species

There is a total of 10 threatened, endangered, or candidate species on this species list.

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

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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

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

Birds

NAME	STATUS
Northern Spotted Owl *Strix occidentalis caurina*	Threatened

There is **final** critical habitat for this species. Your location is outside the critical habitat.
Species profile: https://ecos.fws.gov/ecp/species/1123

Reptiles

NAME	STATUS
Green Sea Turtle *Chelonia mydas*	Threatened

Population: East Pacific DPS
No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/6199

Amphibians

NAME	STATUS
California Red-legged Frog *Rana draytonii*	Threatened

There is **final** critical habitat for this species. Your location is outside the critical habitat.
Species profile: https://ecos.fws.gov/ecp/species/2891
Species survey guidelines:
https://ecos.fws.gov/ipac/guideline/survey/population/205/office/11420.pdf

Fishes

NAME	STATUS
Delta Smelt *Hypomesus transpacificus* There is **final** critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/321	Threatened

Crustaceans

NAME	STATUS
California Freshwater Shrimp *Syncaris pacifica* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7903	Endangered

Flowering Plants

NAME	STATUS
Burke's Goldfields *Lasthenia burkei* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4338	Endangered
Calistoga Allocarya *Plagiobothrys strictus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6161	Endangered
Clara Hunt's Milk-vetch *Astragalus clarianus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3300	Endangered
Loch Lomond Coyote Thistle *Eryngium constancei* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5106	Endangered
Napa Bluegrass *Poa napensis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2266	Endangered

Critical habitats

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

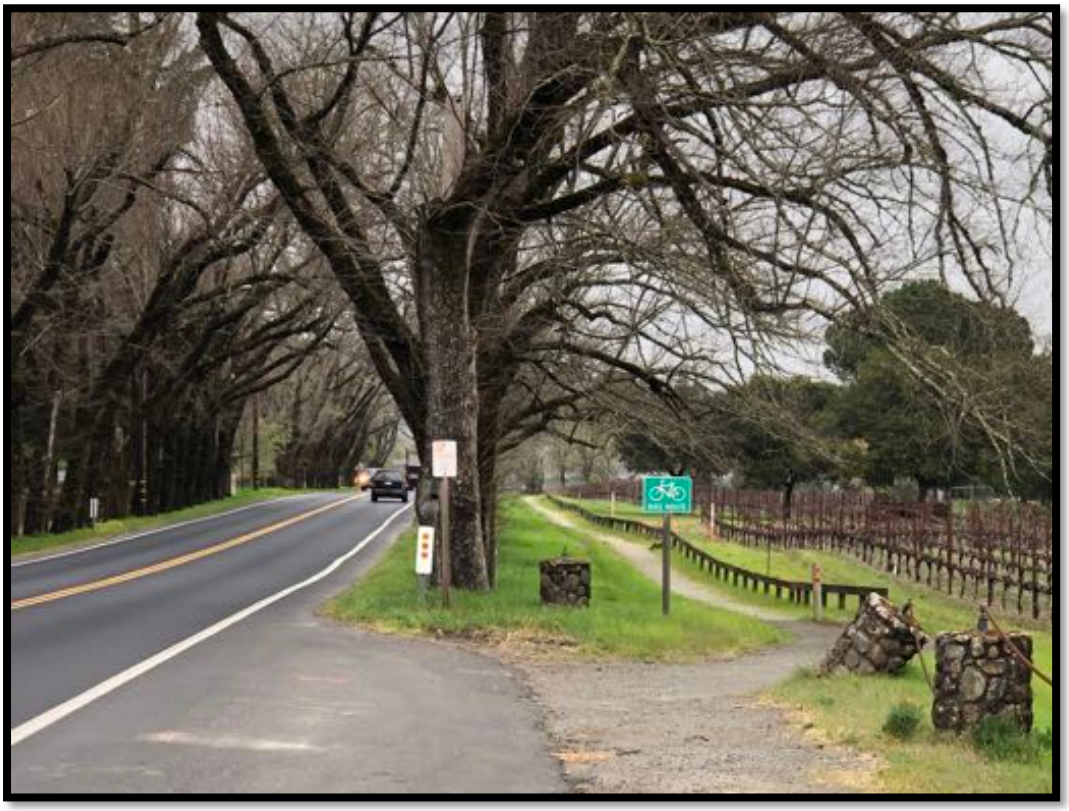
Appendix C – Delineation of Waters of the U.S., including Wetlands, Napa Valley Vine Trail Project - St. Helena to Calistoga

(CONFIDENTIAL)

Appendix D – Tree Preservation Report

TREE PRESERVATION REPORT

St. Helena to Calistoga Section
Vine Trail
Napa County, California



PREPARED FOR

RSA+
1515 Fourth Street
Napa CA 94559

PREPARED BY

Ed Brennan
Consulting Arborist
979 Lincoln Street
Benicia CA 94510

March 10, 2020

TREE PRESERVATION REPORT
ST. HELENA TO CALISTOGA SECTION
Vine Trail
Napa County, California

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Tree Survey

Introduction and Overview

RSA+ is working with the Napa Valley Transportation Authority to design the St. Helena to Calistoga section of the Vine Trail. Ed Brennan, Consulting Arborist, was asked to prepare a Tree Preservation Report for the project for review by the County of Napa.

This report provides the following information:

1. A survey of trees currently growing on the site.

2. An evaluation of each tree's suitability for preservation.

3. An assessment of the impacts of constructing the proposed project on the trees.

4. Guidelines for preserving selected trees during development.

Survey Methods

Trees were surveyed in February and March, 2020. The survey included trees greater than 6" in diameter. The survey procedure consisted of the following steps:

1. Identifying the tree as to species;
2. Tagging each tree with an identifying number and recording its location on a map;
3. Measuring the trunk diameter at a point 54" above grade;
4. Evaluating the health and structural condition using a scale of 1 – 5:
   - ***5*** - A healthy, vigorous tree, reasonably free of signs and symptoms of disease, with good structure and form typical of the species.
   - ***4*** - Tree with slight decline in vigor, small amount of twig dieback, minor structural defects that could be corrected.
   - ***3*** - Tree with moderate vigor, moderate twig and small branch dieback, thinning of crown, poor leaf color, moderate structural defects that might be mitigated with regular care.
   - ***2*** - Tree in decline, epicormic growth, extensive dieback of medium to large branches, significant structural defects that cannot be abated.
   - ***1*** - Tree in severe decline, dieback of scaffold branches and/or trunk; most of foliage from epicormics; extensive structural defects that cannot be abated.
5. Rating the suitability for preservation as "good", "moderate" or "poor". Suitability for preservation considers the health, age and structural condition of the tree, and its potential to remain an asset to the site for years to come.

   Good: Trees with good health and structural stability that have the potential for longevity at the site.

   Moderate: Trees with somewhat declining health and/or structural defects than can be abated with treatment. The tree will require more intense management and monitoring, and may have shorter life span than those in 'good' category.

   Poor: Tree in poor health or with significant structural defects that cannot be mitigated. Tree is expected to continue to decline, regardless of treatment. The species or individual may have characteristics that are undesirable for landscapes, and generally are unsuited for use areas.

Description of Trees

Three hundred and ten (310) trees were evaluated. Descriptions of each tree are found in the ***Tree Survey.*** A summary is provided in Table 1. The locations of the surveyed trees are shown by tag numbers on project plans provided by RSA+.

This section of the Vine Trail follows close to Highway 29, mostly on the east side.

Twenty-three tree species were present among the surveyed trees. The population is dominated by valley oak with 69 trees (22% of the total). The two elm species combined had 68 trees (22%). There were also 33 coast live oaks (11%), and 29 Douglas firs (9%).

Three (3) species were native to the area: coast live oak, Calif. bay, and yellow willow

The overall condition of the trees was fair (55%) to good (35%). Thirty-four trees (11%) were in poor condition. One tree, a 33" diameter valley oak (#124), appears to be dead.

Table 1: Condition Ratings and Frequency of Occurrence of Trees.

Common Name	**Scientific Name**	**Condition Rating**			**No. of Trees**
		Poor (1-2)	**Fair** (3)	**Good** (4-5)	
Big leaf maple	*Acer macrophyllum*	3	6	0	9
Calif. buckeye	*Aesculus californica*	3	1	0	4
Blue gum	*Eucalyptus globulus*	0	1	0	1
Calif. black walnut	*Juglans hindsii*	3	2	4	9
English walnut	*Juglans regia*	2	1	2	5
Fruitless mulberry	*Morus alba*	0	2	0	2
European olive	*Olea europaea*	1	5	3	9
Colorado blue spruce	*Picea pungens*	0	1	0	1
Ponderosa pine	*Pinus ponderosa*	1	1	1	3
Foothill pine	*Pinus sabiniana*	2	8	0	10
Calif. sycamore	*Platanus racemosa*	0	4	6	10
London plane	*Platanus X acerifolia*	0	3	10	13
Plum	*Prunus domestica*	2	1	0	3
Douglas fir	*Pseudotsuga menziesii*	4	19	6	29
Coast live oak	*Quercus agrifolia*	0	22	11	33
Blue oak	*Quercus douglasii*	2	2	5	9
Calif. black oak	*Quercus kellogii*	0	12	3	15
Valley oak	*Quercus lobata*	4	39	26	69
Willow	*Salix sp.*	1	2	0	3
Elderberry	*Sambucus sp.*	0	1	0	1
Coast redwood	*Sequoia sempervirens*	0	2	2	4
American elm	*Ulmus americana*	6	31	0	37
Frontier elm	*Ulmus X 'Frontier'*	0	4	27	31
Total		**34** 11%	**169** 55%	**107** 35%	**310** 100%

Suitability for Preservation

Before evaluating the impacts that will occur during development, it is important to consider the quality of the tree resource itself, and the potential for individual trees to function well over an extended length of time. Trees that are preserved on development sites must be carefully selected to make sure that they may survive development impacts, adapt to a new environment and perform well in the landscape.

My goal is to identify trees that have the potential for long-term health, structural stability and longevity. For trees growing in open fields, away from areas where people and property are present, structural defects and/or poor health presents a low risk of damage or injury if they fail. However, we must be concerned about safety in use areas.

Evaluation of suitability for preservation considers several factors:

- **Tree Health**
  Healthy, vigorous trees are better able to tolerate impacts such as root injury, demolition of existing structures, changes in soil grade and moisture, and soil compaction than are non-vigorous trees.

- **Structural integrity**
  Trees with significant amounts of wood decay and other structural defects that cannot be corrected are likely to fail. Such trees should not be preserved in areas where damage to people or property is likely.
- **Species response**
  There is a wide variation in the response of individual species to construction impacts and changes in the environment. In our experience, for example, Calif. black oak is sensitive to construction impacts, while coast redwood is tolerant of site disturbance.

Each tree was rated for suitability for preservation based upon its age, health, structural condition and ability to safely coexist within a development environment (see ***Tree Survey*** for suitability ratings for individual trees).

Table 2: Tree Suitability for Preservation

Good	These are trees with good health and structure that have the potential for longevity at the site. Fifty-nine (59) trees were rated as having good suitability for preservation. These included 27 frontier elms, 11 coast live oaks, 10 London planes, and 6 Calif. sycamores.
Moderate	Trees in this category have fair health and/or structural defects that may be abated with treatment. Trees in this category require more intense management and monitoring, and may have shorter life-spans than those in the “good” category. Two hundred seventeen (1217) trees were rated as having moderate suitability for preservation. These included 64 valley oaks, 31 American elms, 25 Douglas firs, 21 coast live oaks, and 15 Calif. black oaks.
Poor	Trees in this category are in poor health or have significant defects in structure that cannot be abated with treatment. The species or individual tree may possess either characteristics that are undesirable in landscape settings or be unsuited for use areas. Thirty-four (34) trees were rated as having low suitability for preservation. These included six American elms, Four Douglas firs, and four valley oaks.

Evaluation of Impacts and Recommendations for Preservation

Appropriate tree retention develops a practical match between the location and intensity of construction activities and the quality and health of trees. The ***Tree Survey*** was the reference point for tree condition and quality. Potential impacts from construction were evaluated using the Vine Trail – St. Helena to Calistoga Plan & Profile (Reaches 1-6), prepared by RSA+. Potential impacts from construction were estimated for each tree. The most significant impacts to the trees would occur as a result of the grading for construction of the path.

My analysis of the project plan indicates that it would allow 274 trees to be preserved. Preservation of these trees is predicated on establishing a **Tree Protection Zone** and other preservation activities described in the Tree Preservation Guidelines that follow.

Implementation of the plan would require the removal of 36 trees, whose locations are in conflict with the plan (Table 4).

Table : Trees Requiring Removal

Tree No.	Species	Trunk diameter (inches)	Reason
78	Calif. black walnut	7,5,4,4,2	Located within graded area
79	European olive	6,5,4,4	Located within graded area
91	European olive	8	Located within graded area
98	Blue oak	19,18,18	Located within graded area
99	Blue oak	18	Located within graded area
100	Plum	6,5,5,4,4	Located within graded area
105	Calif. black walnut	7,6	Located within graded area
106	Valley oak	5	Located within graded area
108	Blue oak	45	Located within graded area
109	Calif. black walnut	19,18	Located within graded area
132	English walnut	18	Located within graded area
135	Elderberry	7,6,6,6	Located within graded area
137	Coast live oak	11	Located within graded area
139	Maple	9	Located within graded area
141	Coast live oak	21,18,16	Located within graded area
149	Calif. black walnut	12	Located within graded area
153	Douglas fir	15	Located within graded area
155	Coast live oak	17	Located within graded area
156	Coast live oak	17	Located within graded area
157	Coast live oak	18	Located within graded area
159	Coast live oak	17,16,9,6	Located within graded area
160	Coast live oak	14	Located within graded area
165	Valley oak	16	Located within graded area
176	Valley oak	12	Located within graded area
177	Coast live oak	15	Located within graded area
179	Coast live oak	6,6	Located within graded area
180	Plum	6,6	Located within graded area
249	Coast live oak	10	Located within graded area
280	Valley oak	9,8,7,6	Located within graded area
285	Colorado blue spruce	8	Located within graded area
286	Ponderosa pine	28	Located within graded area
291	Calif. buckeye	6,4	Located within graded area
292	Big leaf maple	6	Located within graded area
293	Valley oak	8	Located within graded area
294	Willow	10	Located within graded area

Tree Preservation Guidelines

Certain trees will be designated for preservation based on their suitability for preservation and location relative to the development plan. Once those decisions have been made, the following recommendations will help reduce impacts to trees from development and maintain and improve their health and vitality through the clearing, grading and construction phases.

The goal of tree preservation is not merely tree survival during development but maintenance of tree health and beauty for many years. Trees retained on sites that are either subject to extensive injury during construction or are inadequately maintained become a liability rather than an asset. The response of individual trees will depend on the amount of excavation and grading, the care with which demolition is undertaken, and the construction methods. Coordinating any construction activity inside the Tree Protection Zone can minimize these impacts.

Pre-construction treatments and recommendations

1. The construction superintendent shall meet with the Consulting Arborist before beginning work to discuss work procedures and tree protection.

2. Fence trees to enclose the **TREE PROTECTION ZONE** (leaving space for pedestrian entrance) prior to demolition, grubbing or grading. Fences are to remain until all grading and construction is completed.

Recommendations for tree protection during construction

1. No grading, construction, demolition or other work shall occur within the **TREE PROTECTION ZONE**. Any modifications must be approved and monitored by the Consulting Arborist.

2. Any root pruning required for construction purposes shall receive the prior approval of, and be supervised by, the Consulting Arborist.

3. If injury should occur to any tree during construction, it should be evaluated as soon as possible by the Consulting Arborist so that appropriate treatments can be applied.

4. No excess soil, chemicals, debris, equipment or other materials shall be dumped or stored within the **TREE PROTECTION ZONE**.

5. Any additional tree pruning needed for clearance during construction must be performed by a Certified Arborist and not by construction personnel.

Ed Brennan

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Certified Arborist #WE-0105A

Ed Brennan
Consulting Arborist

Tree Survey

RSA+
St. Helena to Calistoga Section
Vine trail
Napa County, California
March 2020

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
1	American elm	36	3	Moderate	Trunk divides at 20’.
2	American elm	28	3	Moderate	Trunk divides at 6’.
3	American elm	24	3	Moderate	Trunk divides at 20’.
4	American elm	32	2	Poor	Basal cavity.
5	Not present				
6	Frontier elm	1	4	Good	Single trunk.
7	American elm	26	2	Poor	Basal trunk wound.
8	American elm	24	2	Poor	Basal trunk wound.
9	Frontier elm	2	4	Good	Single trunk.
10	Frontier elm	2	5	Good	Single trunk.
11	Frontier elm	1	4	Good	Single trunk.
12	Not present				
13	American elm	26	3	Moderate	Trunk divides at 6’.
14	American elm	28	3	Moderate	Trunk divides at 6’.
15	Frontier elm	1	3	Moderate	Single trunk.
16	American elm	28	3	Moderate	Trunk divides at 6’.
17	American elm	28	3	Moderate	Trunk divides at 6’.
18	Frontier elm	1	3	Moderate	Single trunk.
19	Frontier elm	3	4	Good	Single trunk.
20	Frontier elm	4	4	Good	Trunk divides at 6’.
21	Frontier elm	3	5	Good	Single trunk.
22	Frontier elm	4	4	Good	Trunk divides at 6’.
23	Frontier elm	2	5	Good	Single trunk.
24	Frontier elm	3	5	Good	Single trunk.
25	Frontier elm	1	3	Moderate	Single trunk.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
26	Frontier elm	4	4	Good	Trunk divides at 6’.
27	Frontier elm	1	5	Good	Single trunk.
28	Frontier elm	1	5	Good	Single trunk.
29	Frontier elm	4	4	Good	Trunk divides at 6’.
30	Frontier elm	4	4	Good	Trunk divides at 5’.
31	Frontier elm	1	4	Good	Single trunk.
32	Frontier elm	1	5	Good	Single trunk.
33	Frontier elm	1	4	Good	Single trunk.
34	Frontier elm	1	5	Good	Single trunk.
35	American elm	20	3	Moderate	Trunk divides at 8’.
36	American elm	20	3	Moderate	Trunk divides at 8’.
37	American elm	20	3	Moderate	Trunk divides at 6’.
38	American elm	20	3	Moderate	Trunk divides at 6’.
39	American elm	20	3	Moderate	Trunk divides at 6’.
40	American elm	20	3	Moderate	Trunk divides at 20’.
41	American elm	24	3	Moderate	Trunk divides at 6’.
42	American elm	24	3	Moderate	Trunk divides at 12’.
43	American elm	24	3	Moderate	Trunk divides at 6’.
44	Frontier elm	1	5	Good	Single trunk.
45	American elm	24	3	Moderate	Single trunk to 6'.
46	American elm	20	3	Moderate	Single trunk to 8'.
47	Frontier elm	2	4	Moderate	Single trunk.
48	Frontier elm	1	5	Good	Single trunk.
49	Not present				
50	American elm	30	3	Moderate	Trunk divides at 6’.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
51	Frontier elm	1	4	Good	Single trunk.
52	American elm	22	3	Moderate	Trunk divides at 10’.
53	Frontier elm	I	4	Good	Single trunk.
54	American elm	24	3	Moderate	Single trunk to 8'.
55	Frontier elm	1	5	Good	Single trunk.
56	Frontier elm	1	5	Good	Single trunk.
57	Frontier elm	2	4	Good	Single trunk.
58	Frontier elm	1	4	Good	Single trunk.
59	American elm	21	3	Moderate	Single trunk.
60	American elm	22	3	Moderate	Single trunk to 8'.
61	American elm	29	3	Moderate	Trunk divides at 8’.
62	American elm	22	3	Moderate	Trunk divides at 10’.
63	American elm	22	3	Moderate	Trunk divides at 10’.
64	American elm	20	3	Moderate	Trunk divides at 10’.
65	American elm	20	3	Moderate	Trunk divides at 20’.
66	American elm	20	3	Moderate	Trunk divides at 20’.
67	American elm	20	3	Moderate	Single trunk.
68	American elm	19	2	Poor	Basal cavity.
69	American elm	20	3	Moderate	Single trunk.
70	American elm	19	1	Poor	Upper crown dead.
71	American elm	20	2	Poor	Single trunk.
72	Valley oak	23	4	Moderate	Single trunk; branches emerge at 5'.
73	Valley oak	49	5	Moderate	Excellent form and health.
74	European olive	22	4	Moderate	Single trunk to 6'.
75	European olive	19,14	3	Moderate	Trunk divides at 4’.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
76	Valley oak	26	4	Moderate	Three trunks emerge at 8'.
77	Calif. black walnut	13,12,10	3	Moderate	Trunks attach at base.
78	Calif. black walnut	7,5,4,4,2	1	Poor	Sprouting stump.
79	European olive	6,5,4,4	3	Moderate	Multi-stemmed at base.
80	European olive	6,5,4,4	4	Good	Multi-stemmed at base.Entire row may require pruning
81	Valley oak	12	3	Moderate	Crook in trunk.
82	Blue gum	86	3	Moderate	Multi-stemmed at 16’.
83	Valley oak	13,11	3	Moderate	Trunks attach at base.
84	Valley oak	36	5	Moderate	Single trunk.
85	London plane	11,10	3	Moderate	Trunks attach at 2’.
86	London plane	12	3	Moderate	Single trunk.
87	London plane	11	3	Moderate	Trunk wounded at base.
88	London plane	12	4	Good	Single trunk.
89	Fruitless mulberry	11	3	Moderate	Branches emerge at 7’.
90	Fruitless mulberry	10	3	Moderate	Branches emerge at 6’.
91	European olive	8	2	Poor	Numerous trunk wounds.
92	Blue oak	17,13	3	Moderate	Leaning trunk.
93	European olive	12	3	Moderate	Scar on trunk.
94	European olive	10,7	3	Moderate	Branches emerge at 4’.
95	Blue oak	17	3	Moderate	Crown one-sided.
96	Blue oak	21	4	Moderate	Trunk divides at 10’.
97	Blue oak	23	4	Moderate	Trunk divides at 12’.
98	Blue oak	19,18,18	4	Moderate	Trunks attach at base.
99	Blue oak	18	4	Moderate	Trunk divides at 12’.
100	Plum	6,5,5,4,4	2	Poor	Multi-stemmed at base.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
101	Willow	28	2	Poor	Trunk divides at 6'.
102	Valley oak	9	4	Moderate	Single trunk.
103	Valley oak	17	4	Moderate	Single trunk.
104	Valley oak	16,9	3	Moderate	Trunks attach at base.
105	Calif. black walnut	7,6	1	Poor	Sprouting stump.
106	Valley oak	5	4	Moderate	Trunk divides at 6'.
107	Blue oak	42	2	Poor	Cavity at base.
108	Blue oak	45	2	Poor	Cavities in trunk.
109	Calif. black walnut	19,18	4	Moderate	Trunks attach at base.
110	Calif. black walnut	11	3	Moderate	Single trunk.
111	Calif. black walnut	19	4	Moderate	Branches emerge at 8'.
112	Douglas fir	34	4	Moderate	Single trunk.
113	Plum	10,8	2	Poor	Trunk decayed.
114	Douglas fir	35	4	Moderate	Single trunk.
115	Valley oak	22	3	Moderate	Crown one-sided.
116	Valley oak	43	4	Moderate	Trunk divides at 6'.
117	Coast live oak	23,22,19	3	Moderate	Trunks attach at base.
118	Valley oak	42	4	Moderate	Multi-stemmed at 8'.
119	Valley oak	7	3	Moderate	Single trunk.
120	Valley oak	7	3	Moderate	Single trunk.
121	Valley oak	10	3	Moderate	Trunk divides at 5'.
122	Valley oak	31	3	Moderate	Trunk divides at 6'.
123	Valley oak	23	4	Moderate	Branches emerge at 12'.
124	Valley oak	33	1	Poor	Appears dead.
125	Valley oak	47	5	Moderate	Excellent form and health.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
126	Coast live oak	25	3	Moderate	Single trunk.
127	Coast live oak	18	3	Moderate	Single trunk.
128	Calif. buckeye	7,6,5	2	Poor	Trunks attach at base.
129	Coast live oak	27	3	Moderate	Single trunk.
130	Calif. buckeye	10,6	2	Poor	Trunks attach at base.
131	Calif. buckeye	8	2	Poor	Single trunk.
132	English walnut	18	4	Moderate	Good form and health.
133	Calif. black walnut	9	4	Moderate	Single trunk.
134	Calif. black walnut	26	4	Moderate	Good form and health.
135	Elderberry	7,6,6,6	3	Moderate	Trunks attach at base.
136	English walnut	18	2	Poor	Branches emerge at 5'.
137	Coast live oak	11	3	Moderate	Branches emerge at 7'.
138	English walnut	17	3	Moderate	Single trunk.
139	Maple	9	3	Moderate	Single trunk.
140	Calif. black oak	10,9,9	3	Moderate	Trunks attach at 2'.
141	Coast live oak	21,18,16	3	Moderate	Trunks attach at base.
142	Maple	12	1	Poor	One living trunk.
143	Maple	9,7,6	1	Poor	Upper crown dead.
144	Coast live oak	34	3	Moderate	Single trunk.
145	Valley oak	21,20,18	4	Moderate	Trunks attach at 2'.
146	Douglas fir	9	3	Moderate	Single trunk.
147	European olive	6,4,2	3	Moderate	Trunks attach at 2'.
148	Valley oak	17,15	4	Moderate	Trunks attach at base.
149	Calif. black walnut	12	1	Poor	Single trunk.
150	Valley oak	20	4	Moderate	Single trunk.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
151	English walnut	21	2	Poor	Branches emerge at 7'.
152	Valley oak	13	3	Moderate	Single trunk.
153	Douglas fir	15	3	Moderate	Single trunk.
154	Douglas fir	13	4	Moderate	Single trunk.
155	Coast live oak	17	3	Moderate	Branches emerge at 5'.
156	Coast live oak	17	3	Moderate	Single trunk.
157	Coast live oak	18	3	Moderate	Single trunk.
158	Coast live oak	13,11	3	Moderate	Trunks attach at 2'.
159	Coast live oak	17,16,9,6	3	Moderate	Trunks attach at base.
160	Coast live oak	14	4	Good	Branches emerge at 5'.
161	Valley oak	18	3	Moderate	Single trunk.
162	Valley oak	12	3	Moderate	Single trunk.
163	Valley oak	28	3	Moderate	Trunk divides at 5'.
164	Valley oak	18	2	Poor	Single trunk.
165	Valley oak	16	3	Moderate	Trunk divides at 8'.
166	Valley oak	11	3	Moderate	Single trunk.
167	Valley oak	17	3	Moderate	Single trunk.
168	Valley oak	22	3	Moderate	Single trunk.
169	Valley oak	20	3	Moderate	Single trunk.
170	Valley oak	24	3	Moderate	Single trunk.
171	Valley oak	19	3	Moderate	Single trunk.
172	Valley oak	29	4	Moderate	Branches emerge at 12'.
173	Coast live oak	21	4	Good	Single trunk.
174	Valley oak	27	3	Moderate	Branches emerge at 12'.
175	Coast live oak	12	3	Moderate	Branches emerge at 6'.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
176	Valley oak	12	3	Moderate	Single trunk.
177	Coast live oak	15	4	Good	Trunk divides at 8’.
178	Coast live oak	17	4	Good	Trunk divides at 8’.
179	Coast live oak	6,6	3	Moderate	Trunks attach at base.
180	Plum	6,6	3	Moderate	Trunks attach at base.
181	Valley oak	57	3	Moderate	Single trunk.
182	Coast live oak	8	3	Moderate	Trunk divides at 8’.
183	Calif. black oak	33	4	Moderate	Trunk divides at 12’.
184	Coast redwood	9,7	3	Moderate	Trunks attach at base.
185	Coast redwood	14	4	Good	Single trunk.
186	Coast redwood	11	3	Moderate	Single trunk.
187	Douglas fir	11	3	Moderate	Single trunk.
188	Douglas fir	22	2	Poor	Partial root failure
189	Big leaf maple	8	3	Moderate	Leaning trunk.
190	Douglas fir	27	3	Moderate	Single trunk.
191	Big leaf maple	16	3	Moderate	Trunk divides at 25’.
192	Big leaf maple	13	3	Moderate	Leaning trunk.
193	Ponderosa pine	30	3	Moderate	Single trunk.
194	Coast live oak	15	3	Moderate	Leaning trunk.
195	Ponderosa pine	42	4	Moderate	Single trunk.
196	Douglas fir	12	3	Moderate	Single trunk.
197	Coast live oak	31	3	Moderate	Crown is horizontal.
198	Douglas fir	11	3	Moderate	Single trunk.
199	Douglas fir	13	3	Moderate	Single trunk.
200	Douglas fir	17	1	Poor	Dead.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
201	Big leaf maple	20	3	Moderate	Leaning trunk.
202	Douglas fir	18	3	Moderate	Single trunk.
203	Douglas fir	8	3	Moderate	Single trunk.
204	Douglas fir	54	2	Poor	One live trunk.
205	Douglas fir	11	2	Poor	Single trunk.
206	Coast live oak	13	3	Moderate	Single trunk.
207	Douglas fir	47	3	Moderate	Trunk divides at 12’.
208	Douglas fir	8	3	Moderate	Single trunk.
209	Douglas fir	24	3	Moderate	Trunk divides at 5’.
210	Douglas fir	31	4	Moderate	Single trunk.
211	Douglas fir	36	4	Moderate	Trunk divides at 45’.
212	Douglas fir	27	4	Moderate	Single trunk.
213	Douglas fir	13	3	Moderate	Single trunk.
214	Big leaf maple	20	2	Poor	Trunk divides at 5’.
215	Douglas fir	18	3	Moderate	Single trunk.
216	Douglas fir	13	3	Moderate	Single trunk.
217	Douglas fir	14	3	Moderate	Single trunk.
218	Douglas fir	10	3	Moderate	Single trunk.
219	Douglas fir	19	3	Moderate	Single trunk.
220	Douglas fir	14	3	Moderate	Single trunk.
221	Coast live oak	27	4	Good	Leaning trunk.
222	Coast live oak	21	4	Good	Leaning trunk.
223	Coast redwood	67	5	Good	Excellent form and health.
224	Coast live oak	10	3	Moderate	Single trunk.
225	Coast live oak	19	3	Moderate	Leaning trunk.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
226	Coast live oak	24,19	4	Good	Trunks attach at base.
227	Calif. black oak	18,6	3	Moderate	Leaning trunk.
228	Calif. black oak	18	3	Moderate	Leaning trunk.
229	Coast live oak	17	3	Moderate	Leaning trunk.
230	Calif. black oak	8	3	Moderate	Leaning trunk.
231	Calif. black oak	10	3	Moderate	Leaning trunk.
232	Calif. black oak	36	3	Moderate	Branches emerge at 12'.
233	Calif. black oak	13	3	Moderate	Single trunk.
234	Calif. black oak	12	4	Moderate	Single trunk.
235	Calif. black oak	8	3	Moderate	Single trunk.
236	Calif. black oak	8	3	Moderate	Single trunk.
237	Calif. black oak	12	3	Moderate	Single trunk.
238	Calif. black oak	10,6	3	Moderate	Trunks attach at base.
239	Calif. black oak	10	3	Moderate	Second trunk failed.
240	Blue oak	10	4	Moderate	Single trunk.
241	Foothill pine	12	3	Moderate	Single trunk.
242	Coast live oak	10,6	3	Moderate	Trunks attach at base.
243	Valley oak	26	3	Moderate	Single trunk.
244	Foothill pine	12	3	Moderate	Single trunk.
245	Foothill pine	12	3	Moderate	Single trunk.
246	Coast live oak	11	4	Good	Single trunk.
247	Foothill pine	14	2	Poor	Sparse foliage.
248	Foothill pine	30	3	Moderate	Single trunk.
249	Coast live oak	10	4	Good	Single trunk.
250	Foothill pine	16	2	Poor	Sparse foliage.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
251	Calif. black oak	24,10	4	Moderate	Trunks attach at base.
252	Foothill pine	10	3	Moderate	Single trunk.
253	Foothill pine	16	3	Moderate	Single trunk.
254	Foothill pine	16,12	3	Moderate	Trunk divides at 4'.
255	Foothill pine	10	3	Moderate	Single trunk.
256	Valley oak	59	5	Moderate	Multi-stemmed at 14'.
257	Coast live oak	29	4	Good	Single trunk to 18'.
258	Valley oak	57	5	Moderate	Multi-stemmed at 16'.
259	Valley oak	15	4	Moderate	Leaning trunk.
260	Valley oak	11	4	Moderate	Leaning trunk.
261	London plane	24	4	Good	Single trunk to 14'.
262	Valley oak	10	3	Moderate	Leaning trunk.
263	Valley oak	16	3	Moderate	Leaning trunk.
264	Valley oak	29	4	Moderate	Single trunk to 18'.
265	Valley oak	15	3	Moderate	Leaning trunk.
266	Valley oak	11,6	3	Moderate	Trunks attach at 2'.
267	Valley oak	9,7	3	Moderate	Trunks attach at base.
268	Valley oak	9	3	Moderate	Single trunk.
269	London plane	17	4	Good	Single trunk to 18'.
270	London plane	12	4	Good	Single trunk to 10'.
271	Valley oak	14	4	Good	Single trunk to 10'.
272	Valley oak	8,6	3	Moderate	Trunks attach at base.
273	Valley oak	15	3	Moderate	Single trunk to 18'.
274	Valley oak	27	4	Moderate	Single trunk to 10'.
275	Valley oak	25	4	Moderate	Trunks attach at 12'.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
276	Valley oak	50	2	Poor	Single trunk to 25'.
277	European olive	8,6,6	4	Good	Trunks attach at base.
278	Valley oak	15	3	Moderate	Trunk divides at 5'.
279	Valley oak	25	4	Moderate	Crown leans west.
280	Valley oak	9,8,7,6	2	Poor	Trunks attach at base.
281	Willow	16,14,12	3	Moderate	Trunks attach at base.
282	Valley oak	6	3	Moderate	Single trunk.
283	Valley oak	10	3	Moderate	Trunks attach at 12'.
284	Valley oak	9,6	3	Moderate	Trunks attach at base.
285	Colorado blue spruce	8	3	Moderate	Single trunk.
286	Ponderosa pine	28	2	Poor	Pitch running on trunk
287	Valley oak	24,18	3	Moderate	Leaning trunks.
288	Valley oak	13	3	Moderate	Trunk divides at 20'.
289	Valley oak	24	4	Moderate	Trunk divides at 20'.
290	Coast live oak	34,24	4	Good	Trunks attach at base.
291	Calif. buckeye	6,4	3	Moderate	Trunk divides at 4'.
292	Big leaf maple	6	3	Moderate	Single trunk.
293	Valley oak	8	3	Moderate	Single trunk.
294	Willow	10	3	Moderate	Single trunk.
295	Valley oak	38,13	4	Moderate	Trunks attach at base.
296	Calif. sycamore	21	4	Good	Single trunk.
297	English walnut	20	4	Moderate	Trunks attach at 8'.
298	Calif. sycamore	16	3	Moderate	Single trunk.
299	London plane	20	5	Good	Excellent form and health.
300	Calif. sycamore	14	4	Good	Single trunk to 25'.

TREE No.	SPECIES	TRUNK DIAMETER (inches)	CONDITION 1=POOR 5=EXCELLENT	SUITABILITY FOR PRESERVATION	COMMENTS
301	Calif. sycamore	21	3	Moderate	Single trunk.
302	Calif. sycamore	15	3	Moderate	Single trunk.
303	London plane	17	5	Good	Excellent form and health.
304	London plane	13	4	Good	Trunks attach at 12’.
305	London plane	11	4	Good	Single trunk to 8’.
306	London plane	15	5	Good	Excellent form and health.
307	London plane	15	4	Good	Single trunk to 8’.
308	Calif. sycamore	13	4	Good	Single trunk to 14’.
309	Calif. sycamore	16	4	Good	Single trunk to 8’.
310	Calif. sycamore	12	4	Good	Single trunk to 8’.
311	Calif. sycamore	10	3	Moderate	Single trunk.
312	Calif. sycamore	25	4	Good	Single trunk.
313	Valley oak	24	3	Moderate	Trunk divides at 12’.

Appendix D

Archaeological Survey Report

ARCHAEOLOGICAL SURVEY REPORT FOR THE NAPA VALLEY VINE TRAIL, ST. HELENA TO CALISTOGA SEGMENT

NAP-29 – P.M. 29.24-35.28 and Dunaweal Lane; EA 04-2Q260; E-FIS 0418000447

Final

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May 2020

ARCHAEOLOGICAL SURVEY REPORT FOR THE NAPA VALLEY VINE TRAIL, ST. HELENA TO CALISTOGA SEGMENT

NAP-29 – P.M. 29.24-35.28 and Dunaweal Lane; EA 04-2Q260; E-FIS 0418000447

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Confidential Information

Archaeological and other heritage resources can be damaged or destroyed through uncontrolled public disclosure of information regarding their location. This document contains sensitive information regarding the nature and location of archaeological sites that should not be disclosed to unauthorized persons.

Information regarding the location, character or ownership of a historic resource is exempt from the Freedom of Information Act pursuant to 54 USC Section 307103 (National Historic Preservation Act) and 16 USC Section 470hh (Archaeological Resources Protection Act) and California State Government Code, Section 6254.10.

If any information in this document is to be released for public review, all locational information associated with archaeological resources must be redacted before distribution.

SUMMARY OF FINDINGS

The Napa Valley Transportation Authority (NVTA) is proposing to construct approximately 7.4 miles of new bike trail from St. Helena to Calistoga, primarily along State Route (SR) 29 in Napa County. The proposed St. Helena to Calistoga section of the Napa Valley Vine Trail (hereafter referred to as the Project) will begin at the intersection of Pratt Avenue and SR 29 and proceed north to the intersection of Fair Way at Lincoln Avenue in the City of Calistoga. Project work includes cut or fill for the new trail and the construction of retaining walls, bridges, and new culverts. Except for a portion of the Project that passes through Bothe-Napa Valley State Park (BNVSP), the majority of the trail will parallel the east side of SR 29. In addition to the trail within SR 29 right-of-way, the trail will traverse 32 private or state-owned parcels.

The proposed Project includes two segments of a Class I bicycle/pedestrian trail. The Napa Valley Vine Trail – St. Helena to Calistoga segment comprises an approximate 6.8-mile trail within California Department of Transportation (Caltrans) and public right-of-way that also passes through State Park lands and private property easements. The south end of the segment would terminate in St. Helena at Pratt Avenue at the location of a future segment of the Vine Trail, and the north end would terminate at an existing segment of the Vine Trail at Dunaweal Lane in Calistoga. The second segment, called the Fair Way Path Extension, comprises a 0.6-mile Class I trail that extends north from an existing segment of the Napa Valley Vine Trail from Washington Avenue to the intersection of Fair Way and Lincoln Avenue in Calistoga.

The cultural resources survey area was developed by the NVTA in coordination with staff from Caltrans District 4. The proposed trail would be 10-feet wide with 2-foot shoulders on either side for a maximum width of 14 feet. To account for any Project changes, a 40-foot wide survey area was defined for this study. The depth of ground disturbance for the trail would be 1.5 to 2 feet and 1.5 to 3.0 feet for most of the retaining walls, and up to 8.0 feet for some retaining walls.

As defined by Caltrans, the Area of Potential Effects (APE) for the Project is considerably larger than the 40-foot survey area and encompasses the full extents of cultural resources recorded within and adjacent to the survey area. Under contract to Kimley-Horn, Pacific Legacy, Inc. was tasked with completing a Phase I archaeological inventory study of the Project survey area to assist with Project compliance under Section 106 of the National Historic Preservation Act and the California Environmental Quality Act. Caltrans is acting as the Project federal lead agency, and the Project must also comply with the January 2014 *First Amended Programmatic Agreement Among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federally-Aided Highway Program in California* (Section 106 PA). The NVTA is acting as the CEQA lead agency for the Project.

A built environment study is being completed by JRP Historical Consulting, LLC (JRP) under a separate contract. The results of identification efforts for archaeological resources are presented in this Archaeological Survey Report. A summary of identification efforts relating to built environment resources may be found in JRP's (2020) report titled "Historical Resources Evaluation Report: Vine Trail – Calistoga to St. Helena, Napa County, California."

Background research and a pedestrian field inventory of the survey area revealed seven prehistoric, one historic, and seven multicomponent resources within the Project APE. The December 2019 and January 2020 field inventory encountered three previously documented prehistoric (P-28-000446, P-2800056 and P-28-000951) seven multicomponent resources (P-00062, P-28-000240, P-28-000454, P-28-000503, P-28-000923, P-28-000952, P-001287 and one historic period resource (P-002528) had been previously recorded and recorded four newly discovered prehistoric resources (VT-03, VT-04, VT-05, and VT-06).

It is Caltrans' policy to avoid cultural resources whenever possible. Further investigations may be needed if cultural resources cannot be avoided by the Project. If buried cultural materials are encountered during construction, it is Caltrans' policy that work stop in that area until a qualified archaeologist can evaluate the nature and significance of the find. Additional survey will be required if the Project changes to include areas not previously surveyed.

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1.0 INTRODUCTION

1.1 INTRODUCTION

This Archaeological Survey Report (ASR) documents a Phase I archaeological inventory study conducted by Pacific Legacy, Inc. on behalf of the Napa Valley Transportation Authority (NVTA) and the California Department of Transportation (Caltrans) District 4 for the proposed St. Helena to Calistoga section of the Napa Valley Vine Trail (Project) along State Route 29 (SR 29) between the cities of St. Helena and Calistoga in Napa County, California (Exhibit 1 – Figure 1). Under subcontract to Kimley-Horn, NVTA authorized Pacific Legacy, Inc. to conduct a Phase I study for the Project to assist NVTA and Caltrans in complying with their obligations under Section 106 of the National Historic Preservation Act (NHPA), the California Environmental Quality Act (CEQA), and the 2014 Section 106 PA. The Project's APE and cultural resources survey area was defined by NVTA in coordination with staff from Caltrans District 4.

Background research conducted for the Project included archival and record searches (Exhibit 2) as well as consultation with the Native American Heritage Commission (NAHC), Native American tribal representatives, and members of the public (Exhibit 3). The pedestrian field inventory of the survey area was conducted on December 11, 12, 19, and 20, 2019. Pacific Legacy conducted archaeological site recording during the field inventory.

1.2 PROJECT LOCATION AND DESCRIPTION OF THE UNDERTAKING

The proposed Project would comprise one part of the Napa Valley Vine Trail, which is envisioned as a 47-mile Class I mixed-use path for pedestrians and cyclists that will span the length of Napa Valley (Calistoga to American Canyon) and connect to the ferry terminal in Vallejo, California. The proposed Project includes two segments of a Class I bicycle/pedestrian trail. The Napa Valley Vine Trail – St. Helena to Calistoga segment is an approximate 6.8-mile Class I bicycle/pedestrian trail within Caltrans and public right-of-way that also passes through State Park lands and private property easements. The south end of the segment would terminate in St. Helena at Pratt Avenue at the location of a future segment of the Vine Trail, and the north end would terminate at an existing segment of the Vine Trail at Dunaweal Lane in Calistoga.

An additional segment called the Fair Way Path Extension would be constructed at the same time as the St. Helena to Calistoga segment. The Fair Way Extension would be a 0.6-mile Class I trail that extends north from an existing segment of the Napa Valley Vine Trail from Washington Avenue in Calistoga to the intersection of Fair Way and Lincoln Avenue in Calistoga. The Fair Way Path Extension was previously analyzed under CEQA, and a Mitigated Negative Declaration has been approved by the City of Calistoga's Planning Commission (PC Resolution 2014-29; November 26, 2014). The Fair Way Path extension was not analyzed under the National Environmental Policy Act (NEPA), however, and the proposed Project is subject to federal funding, thus the Fair Way Path Extension is being analyzed under NEPA as part of the Project.

The trail segments would be in unincorporated Napa County and the cities of Calistoga and St. Helena within public right-of-way along local streets and roads, in Caltrans right-of-way, and on

easements granted from state agencies and private property owners. Except for a portion of the trail that passes through Bothe-Napa Valley State Park (BNSVP), most of the proposed trail would be on the east side of SR 29. Most of the trail would be separated from SR 29, though a few portions of the proposed trail would occur on the shoulder of SR 29. The trail would cross multiple roads and private driveways and would cross SR 29 in two locations.

The proposed path would be 10-feet wide with 2-foot shoulders for a total width of 14 feet in most locations, narrowing to a lesser width in certain areas. In most locations, the trail would consist of asphalt installed over aggregate base with gravel shoulders. The trail alignment generally would be excavated to a depth of 1.5 to 2 feet to install the trail surface in areas where grading would be necessary. Avoidance measures currently being considered for archaeological sites would require minimal or no surface preparation. Grading would occur beyond the shoulders to ensure the trail conforms to the existing grade, up to a maximum slope of 2:1 as allowed by geotechnical conditions.

The trail would be on the shoulder of existing SR 29 bridges at York and Mill creeks. Retaining walls would be constructed where the trail alignment is constrained either by existing physical or topographic features, property lines, or easement boundaries. Approximately 6,200 linear feet of retaining walls are proposed. Retaining wall types would be mostly comprised of mechanically stabilized earth, concrete barrier, block walls, or other types. A majority of retaining walls would not exceed a height of 3.5 feet, though in a few locations the elevation change between the proposed trail and adjacent area would require up to an 8-foot retaining wall. Excavation depths for the retaining walls would be approximately 1.5 to 3 feet below existing grade over an approximate 1 to 20-foot area from the edge of the proposed retaining walls.

Free-span, pre-fabricated bridges are proposed in three locations: one to span an existing wetland and drainage feature on private property; one to cross an existing drainage ditch located on private property immediately south of Twomey Winery; and one to span Napa River on Dunaweal Lane. First, a bridge would be constructed in the north to south direction to cross the existing wetland on the Deconinck Vineyard property and abutments would be constructed from the adjacent upland areas. Second, near Twomey winery south of Dunaweal Lane, the bridge would be installed over an existing ditch just downstream of it's crossing at SR 29. Finally, the proposed bridge at Napa River would be installed adjacent to the existing vehicle bridge over Napa River on Dunaweal Lane.

The proposed Project would include approximately 1,700 linear feet of new culverts or culvert extensions. The type, size, and material of culvert extensions would match existing conditions. Box and pipe culverts would be installed. Three existing box culverts would be extended: one at Nash Creek; the second to cross an ephemeral drainage tributary to Hirsch Creek; and the third to extend the existing culvert crossing of Hirsch Creek at SR 29 just north of Ehler's Lane. New or replacement headwalls and wingwalls would be installed where necessary for new culverts or culvert extensions. Most culvert extensions are approximately 10 to 30 linear feet at each location. In a few locations where roadside ditches and drainages parallel the trail and the area is constrained by the existing highway, topography, trees, or private property, up to 100 to 850 linear feet of culverts would be installed. Storm drain infrastructure, including junction boxes and manholes, would be installed as part of some culvert extensions to convey stormwater runoff and to provide access to maintain the storm drain infrastructure.

Vegetation and tree removal would be required to construct the trail and would include oak, maple, redwood, walnut, and other native trees, landscape trees, and non-native trees. At the time of

writing, an estimated 47 trees would be removed as a part of the Project. Tree removals in BVNSP would not include root ball removal where the trail coincides within 50 feet of known archaeological sites. Underground utilities would remain in place. Utility poles in conflict with the trail would be moved in coordination with other utilities prior to Project construction and would be separate from this Undertaking. Other utility adjustments would include relocation of fire hydrant wharfs in a few locations, and manhole cover adjustments to grade where required. In a few locations, new storm drain infrastructure (manholes and junction boxes) would be installed to convey road and trail runoff to existing or extended culverts. Additional proposed improvements include ADA compliance curb ramps, stop signs and trail signage, benches, interpretive signage, fencing along the edge of some property lines, and bus stop relocation and improvements. Utility relocations as part of this project would be conducted within the current APE.

Access to the Project area would occur from SR 29 and existing roads. While final staging areas would be confirmed by a Project contractor, staging would primarily occur within the proposed trail alignment. Proposed staging areas that have already been identified outside of the alignment were included in the Phase I archaeological inventory study. These areas would be used to store and stage materials and equipment at different times throughout Project construction. Staging areas outside of the proposed alignment mostly consist of previously disturbed areas with bare, gravel, or paved surfaces.

1.3 REGULATORY CONTEXT

The proposed St. Helena to Calistoga section of the Napa Valley Vine Trail along SR 29 will result in ground disturbance that could alter or destroy archaeological deposits. This study was prepared to comply with historic preservation regulations, policies, and statues, primarily Section 106 of the NHPA, due to federal and state funding. Caltrans, acting as the lead federal agency under the assigned authority of the Federal Highway Administration (FHWA), is providing Project oversight as federal funds are involved. The studies conducted for this Project are consistent with Caltrans' responsibilities under the January 2014 *First Amended Programmatic Agreement Among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federally-Aided Highway Program in California* (Section 106 PA). The Section 106 PA stipulates that Caltrans will identify historic properties that may be within an Undertaking's Area of Potential Effects (APE) in accordance with implementing regulations for Section 106 of the NHPA under 36 CFR Part 800.4.

NVTA is lead agency for compliance under CEQA for the project, however, as a state agency, Caltrans must also comply with CEQA, specifically PRC Section 5024, which requires identification of state-owned historical resources and determining their eligibility for listing in the California Register of Historical Resources (CRHR) or California Historical Landmarks. The eligibility criteria for the CRHR are based upon the NRHP criteria. Compliance with CEQA for this Project was conducted in accordance with the policies and procedures outlined in the January 2014 (Appended 2019) *Memorandum of Understanding Between the California Department of Transportation and the California State Historic Preservation Officer Regarding Compliance with Public Resources Code Section 5024 and Governor's Executive Order W-26-92* (2014 PRC 5025 MOU).

1.3.1 Project Survey Area and Area of Potential Effect

The Project survey area consists of a broad corridor that encompasses existing and proposed right-of-way and temporary construction easements. As noted above, the Project would include two segments of a Class I bicycle/pedestrian trail—the 6.8-mile long Napa Valley Vine Trail – St. Helena to Calistoga segment and the 0.6-mile Fair Way Path Extension. The horizontal area of ground disturbance for the proposed trail would measure 10 feet in width with 2-foot wide shoulders on either side for a maximum width of 14 feet in most locations. In some locations, the trail would narrow to 8 feet in some areas to avoid or minimize impacts to sensitive resources. Avoidance measures currently being considered for archaeological sites would require minimal or no surface preparation, would avoid excavation into the subgrade or construct the trail on fill in areas of archaeological sites. To account for any Project changes, the NVTA, in coordination with staff from Caltrans District 4, identified a 20-foot buffer around all Project activity areas as the Survey Area for the Phase I archaeological inventory. The Project APE was defined as the survey area as well as the full horizontal extent of the archaeological resources recorded within and adjacent to the survey area. The APE map was signed by Rebecca Schenck NVTA Program Planner on January 10, 2020, Kristina Montgomery, PQS Co-Principal Investigator, Caltrans District 4 on January 13, 2020, Michael Meloy, PQS Principal Architectural Historian, Caltrans District 4 on January 14, 2020, and Ahmad Rahimi, Project Manager, District 4 on January 16, 2020. The vertical APE was defined as the expected depth of ground disturbance for the trail, which would be 1.5 to 2 feet, and the expected depth for the retaining walls, which would be 1.5 to 3.0 feet. The Project APE is depicted in Exhibit 1, Figures 1–5.

A historic period built environment study is being completed for the Project by JRP Historical Consulting, LLC (JRP) under a separate contract. The results of that study appear in a report titled "Historical Resources Evaluation Report: Vine Trail – Calistoga to St. Helena, Napa County, California" (JRP 2020).

1.4 PERSONNEL

The Phase I archaeological inventory study was conducted by Pacific Legacy under subcontract to Kimley-Horn. All key personnel involved in the Project meet the professional qualification standards described in *Archaeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines*.

The following Pacific Legacy personnel produced this ASR and/or assisted with the field inventory:

- John Holson, Contract Manager/Principal Investigator−Prehistoric Archaeology; M.A. in Cultural Resources Management from Sonoma State University, Rohnert Park; RPA certified; 45 years archaeological experience in California; 35 years in cultural resource management.
- Christopher Peske, Field Supervisor; B.A. in Anthropology, University of California, Davis; 9 years experience in California archaeology.
- David Daly, Archaeologist; M.A. in Anthropology, San Francisco State University; 12 years experience in California archaeology.
- Pacific Legacy archaeologist Shanna Streich, M.A. in Creative Writing, University of London; 12 years experience in California archaeology.

This ASR has been prepared following the format specified in the Caltrans Standard Environmental Reference Handbook, Volume 2 (Exhibit 5.1; 2014 Update Revision 07/13/2015), available online at http://www.dot.ca.gov/ser/envhand.htm.

2.0 SOURCES CONSULTED

2.1 ARCHIVAL AND RECORDS SEARCH

Pacific Legacy requested two archival and records searches be conducted at the Northwest Information Center (NWIC) of the California Historical Resources Information System (CHRIS) at Sonoma State University for the Project. Pacific Legacy was provided with records search information from Tom Origer and Associates in mid-October 2019. These preliminary records search data were supplemented by a request for documentation from the NWIC on October 23, 2019, primarily for resource records and reports associated with the historic period built environment study. After Pacific Legacy and JRP reviewed the documents provided by the NWIC, Pacific Legacy requested additional materials relevant to this study on December 1, 2019. These materials included areas not covered in the initial search and areas encompassing an expansion of the built environment study area.

The archival and records searches fully encompassed the Project APE as well as a surrounding 0.25-mile buffer. Reports collected included references to archaeological and historic period DPR forms and reports within and adjacent to the Project survey area as well as the built environment resource forms and studies required by JRP. While several built environment resources are noted in this chapter, they are not the focus of this study and are addressed in the report prepared by JRP (2020).

In addition to the two record reviews provided by the NWIC and those provided by Tom Origer and Associates, the archival and records search included a review of the following:

- *The Historic Properties Directory* (California Office of Historic Preservation 2013);
- *The California Inventory of Historic Resources* (State of California 1976);
- *California Historical Landmarks (*California Office of Historic Preservation 1996);
- *California Points of Historical Interest* listing May 1992 (State of California 1992); and
- The National Register of Historic Places (NRHP) (*Directory of Determinations of Eligibility*, California Office of Historic Preservation, Volumes I and II, 1990; Office of Historic Preservation Computer Listing 1990 and updates).
- Historic maps and documents concerning the general area on file at the Berkeley office of Pacific Legacy along with digital archives of previously conducted studies and known cultural resources within the Project area.

2.1.1 Previous Inventories and Cultural Resources

The archival and records searches revealed that 15 previously recorded cultural resources are within the Project APE (Table 2-1) and 38 previously recorded resources are within the surrounding 0.25-mile buffer (Table 2-2). Among the 15 resources reported within the APE, three date to the prehistoric period, 5 date to the historic period, and 7 are multicomponent sites and include both prehistoric and historic period materials and/or features.

Of the three prehistoric archaeological sites within the APE, two are lithic scatters composed primarily of flaking debris (P-28-000560 [CA-NAP-683] and P-28-000951 [CA-NAP-831]). The third is an extensive midden site containing a variety of cultural constituents (P-28-000446 [CA-NAP-563]). P-28-000560 (CA-NAP-683 [redacted]. P-28-000951 (CA-NAP-831) is within

[redacted] and has been severely disturbed by development of the agricultural lands and support infrastructure for the winery. Auger testing was conducted at two locations in 2013 for a PG&E distribution line utility pole replacement project and revealed highly disturbed soils to impenetrable rock at a depth of 45 centimeters; no cultural material was observed. The auger bores (2) were located on the southwest side of SR 29.

P-28-000446 (CA-NAP-563), also known as the "Suffia Site," [redacted]. The site is characterized as a small habitation site containing a variety of cultural constituents. Constituents noted during the initial recording by Daniel Foster in 1979 included midden soils with marine shell (oyster) and lithic material. The owner of the site reportedly has a large collection of projectile points gathered over the years. Foster notes both Middle and Late Period projectile points in the collection. Foster took photographs of the projectile point collection and archived the photos at the DPR Archeology Laboratory. He also noted three mortars were found in the river; presumably these are bowl mortars but that is not indicated on the site record. At the time of his recording (1979), Foster noted that the site was 30% destroyed and the area had been in cultivation as a vineyard for at least 20 years. The site has been impacted by development of a vineyard at its southern boundary and may be associated with a known village site (P-28-000846 [CA-NAP-172]) to the northwest (Farrell and Kitchel 2018).

Of the three prehistoric resources, only P-28-000951 (CA-NAP-831) has been evaluated and recommended not eligible for listing in the NRHP (Ferneau et al. 2000). Excavation was conducted at the site on both sides of SR 29. The excavations were undertaken for road widening on the eastern side, construction of drainage facilities, and utility relocations. Twenty-one units were placed along five transect lines and ranged in depth from 20 to 80 centimeters. A total of 7.7 cubic meters of sediment was examined and revealed 1,792 pieces of obsidian debitage, one chert and one basalt flake, one unidentifiable projectile point fragment, two bifaces, one unidentified core, and one piece of battered stone. Almost all the units contained historic period debris, including glass, plastic, ceramic, and metal. Obsidian hydration rim measurements ranged from 0.9 to 6.8 microns. Ferneau et al. (2000) concluded that the wide range of rim measurements did not correlate with depth, which indicated the site was highly disturbed. Historic period debris collected from varying depths in the units further indicated significant disturbance. They opined that the site assemblage was limited and in a disturbed context and thus was not eligible for inclusion in the NRHP (Ferneau et al. 2000).

Table 2-1 Previously Recorded Cultural Resources Within the Area of Potential Effects.

Resource Designation(s)	Period	Author(s)	Date	Description	NRHP/ CRHR Status
P-28-000062 CA-NAP-58/H #58, Tucker BNVSP-CW-4 B-51-HW	Multicomponent	D.T. Davis	1947	The prehistoric component is a large habitation site [redacted], including midden, debitage, cores, tools, groundstone, fire-affected rock, and reportedly bone tools; the historic component is two formerly adjoined properties, including two houses (ca. 1920s), a stone chimney, concrete foundation, rock walls, outbuildings, and a light domestic trash scatter (late	Evaluation in progress: Recommended Eligible by Caltrans; SHPO concurrence pending.
		F.A. Riddell	1975		
		Y. Beard	1976		
		D. A. Bell	1977		
		B. Parkman and B. Stillman	1995		
		J.C. Whatford	1995		
		B. Parkman	2005		
		R. Douglass	2005		

Resource Designation(s)	Period	Author(s)	Date	Description	NRHP/ CRHR Status
		B. Parkman	2006	19th-early 20th century). [redacted]. Site P-28-000237 (CA-NAP-325/H) was subsumed into this site.	
P-28-000240 CA-NAP-328/H Bale Mill #3 Bale Historic Complex	Multicomponent	W.M. Olsen	1974	The prehistoric component consists of midden and a dense scatter of obsidian debitage and tools, with a probable subsurface element; the historic component includes structural remains and a stone walls, a dirt road, and a debris dump likely [redacted] Has been subject of several investigations both in and around the BNVP.	Recommended Eligible by Ferneau et al. 2000; SHPO concurrence 2002. Wohlgemuth 2018.
		M. Sampson and K. Cooley-Reynolds	1977		
		J. Pape and S. Thompson	1992		
		R. Douglass	2005		
		E. Sherlock	2016		
		Wohlgemuth	2018		
P-28-000446 CA-NAP-563 Suffia Site	Prehistoric	D.G. Foster	1979	Midden with marine shell, debitage scatter, lithic tools, and groundstone; over 100 projectile points reported as collected by property owner; likely associated with the nearby village site (P-28-000846 [CA-NAP-172]). Record notes that burials are known to occur nearby.	Not Evaluated
P-28-000454 CA-NAP-571/H ARS 80-10-2 ARS-76 Spring Site	Multicomponent	K. Flynn and W. Roop	1980	The prehistoric component is a sparse lithic scatter with a midden deposit and lithic tools originally documented in 1980; the historic component consists of a glass and ceramic debris scatter. Site P-28-000812 was subsumed into this site. The site was tested in 1998 by ASC at Sonoma State.	Recommended Ineligible Wohlgemuth 2018; SHPO concurrence 2018
		J. Pape and S. Thompson	1992		
		M. Gary	1997		
		R. Douglass	2005		
		Wohlgemuth	2018		
P-28-000503 CA-NAP-625/H ARS 81-64-1 TN-135	Multicomponent	T. Hunt and S. Ramiller	1981	The prehistoric component consists of a lithic scatter with cores and formal tools in three concentrations and one midden mound with clam shells; the historic component is a dispersed scatter of cut nails, glass, and ceramics; the site is [redacted] and is likely associated.	Not Evaluated (S-33802 2000)
		W.E. Soule and D. Sheeders	1980		
		K. Flynn, T. Marks, and W. Roop	1981		
		R. Douglass	2005		
		Tom Origer & Associates	2017		
P-28-000560 CA-NAP-683 BNVSP-83-1	Prehistoric	B. Parkman	1983	Sparse lithic scatter [redacted]	Not Evaluated (per S-33511)
P-28-000923 CA-NAP-360/H Ehlers Lane	Multicomponent	Y. Beard	1973	The prehistoric component consists of multiple midden concentrations and [redacted]	Not Evaluated
			1977		
			1977		

Resource Designation(s)	Period	Author(s)	Date	Description	NRHP/ CRHR Status
		J. Pape, and S. Thompson	1992	[redacted]; the historic component is a debris scatter associated with ranch buildings (late 19th/early 20th century) that have been demolished. Limited testing was conducted in the right-of-way in 2016-2017 that was not sufficient to make an eligibility determination. Monitoring was conducted for construction trenching in 2017.	(per S-33511 [2007]) S-50513 (2017) Overall, could not evaluate as only tested a small portion
		E. Bedolla and G. Zavala	2002		
		R. Douglass	2005		
		A. Younie, E. Wolgemuth, and P. Kaijankoski	2017		
		R. Mora and J. Lippel	2018		
P-28-000951 CA-NAP-831 Markham/St. Clement Wineries	Prehistoric	J. Pape and S. Thompson	1992	The site is a sparse obsidian lithic scatter covering [redacted]; the presence of naturally occurring obsidian was noted in the record. Auger testing in 2013 revealed highly disturbed soils to impenetrable rock at 45 centimeters; no cultural material was observed.	Recommended Ineligible Ferneau et al. 2000; SHPO concurrence 2002.
		R. Douglass	2005		
		A. Hallock and D. Andolina	2013		
P-28-000952 CA-NAP-832 York Lane	Multicomponent	J. Pape and S. Thompson	1992	The site covers a large area and includes a sparse obsidian lithic scatter with one core tool; the presence of naturally occurring obsidian was noted; auger testing in 2013 revealed highly disturbed soils. The 2000 recording documented an historic-era 1952 one-story house, but the subsequent recordings and trinomials are not multicomponent. The 2005 record notes a newly constructed residential home; the historic house is no longer present. A railroad grade is noted in the 2005 record but was not recorded as it falls outside of the SR 29 right-of-way.	Prehistoric: Recommended Ineligible Ferneau et al. 2000; SHPO concurrence 2002 S-33802 Historic: Recommended Ineligible (per DPR[1])
		A. Hope	2000		
		R. Douglass	2005		
		A. Hallock and D. Andolina	2013		
P-28-000959 CA-NAP-839H Elm Alley Elm Tunnel Elm Tree Canopy	Historic	Napa County Landmarks, Inc.	1978	Two parallel rows of elm trees planted in 1885 [redacted]. Determined to be a contributing component of the Beringer Winery Historic District (P-28-001440).	Contributing Element of Historic District
		A. Hope	2000		
P-28-001287	Multicomponent	E.T. Jones	2005	Historic period cemetery (1852-1988) and the site of the first church in Napa Valley built in	Unknown

Resource Designation(s)	Period	Author(s)	Date	Description	NRHP/ CRHR Status
CA-NAP-1016/H BNVSP Pioneer Cemetery		M. Fukui and D. Jackson	2018	1853. Foundation stones and a commemorative plaque mark the location of the Asa White Church. The also contains a light lithic scatter and possible rock art on boulder.	
P-28-001440 Beringer Winery Historic District Beringer Brothers Los Hermanos Winery	Historic	J. Munns	1978	[redacted] Rural in character the winery with cultivated lands, winery support structures, circulation routes, landscape elements, and residential buildings is on eight acres with one contributing site, and six contributing buildings as well as two non-contributing buildings.	Historic District under Criterion A and CHL 814 (per DPR[1])
		J. Arbuckle	1979		
		N. Wey	1980		
		A. Hope	2000		
		M.B. Maley	2001		
P-28-001547 Napa Valley Railroad District Napa Valley Wine Train	Historic	V. Germano	2006	The Napa Valley Railroad line extends from the City of Napa to just north of St. Helena city limits, running roughly parallel to SR 29; many of the original associated buildings, structures, and infrastructure have been removed.	Ineligible (6) (per Origer table and DPR)
P-28-001705 Lincoln Avenue Commercial District	Historic	L. Clementino	2013	The commercial district of Calistoga is characterized by rows of commercial facades on either side of Lincoln Avenue with 30 buildings including stores, hotels, restaurants, bars, and offices. The Napa Valley Railroad Calistoga Depot is the oldest building in the district and was constructed in 1868.	Recommended Ineligible (per DPR[1])
P-28-002528 AGRO Industrial Electric – Scott residence/ Wright rental	Historic	W.T. Grummer	1986	A one-story, wood-frame residence dating to the 1940s, constructed from World War II-era prefabricated structures. No part of the house, porches, or shed remains standing.	Not Evaluated

*Bibliographic data for previous studies provided in this table is not replicated in Section 6.0 References.
[1]As no evidence of an evaluation could be found in a report, these may constitute recommendations.
All reports on file with the NWIC at Sonoma State University.

Table 2-2. Previously Recorded Cultural Resources within a 0.25-mile Radius of the Area of Potential Effects.

Resource Designation(s)	Period	Author(s)	Date	Description
P-28-000044 CA-NAP-36 #36 B-129-Green Barro	Prehistoric	195 Class, Sacramento State College	1947	Midden site originally documented as a quarry/workshop with 2-foot deep deposit of obsidian (modified and natural), near Glass Mountain. No formal tools, only debitage and a crude biface were observed. [redacted]
		Y. Beard	1977	
		A. King	1978	

Resource Designation(s)	Period	Author(s)	Date	Description
P-28-000114 CA-NAP-115 B-56	Prehistoric	F. Fenenga and A. Pilling	1949	A sparse lithic scatter of obsidian debitage, one obsidian projectile point, one obsidian scraper, and a basalt cobble with possible pecking and grinding located [redacted]. Intact site deposit may be present under the existing SR 29.
		Y. Beard	1976	
		J. Pape and S. Thompson	1992	
		R. Douglass	2005	
P-28-000241 CA-NAP-329 B-44-AB	Prehistoric	A. Peak and M. Peak	1975	Habitation site with two possible housepits, dark brown soils, formal tools, lithic scatter, one blue glass trade bead, and groundstone which includes a metate, manos, pestles, and fragments of a bowl mortar. [redacted] a large projectile point collection from this site which may be similar to points from CA-LAK-261S site in Lake County, based on the EIR.
		Y. Beard	1976	
P-28-000242 CA-NAP-330 B-44-AB	Prehistoric	A. Peak and M. Peak	1975	Petroglyph site on [redacted]. Isolated basalt boulder with at least 22 cupules pecked into flat surface, atop boulder.
		Y. Beard	1976	
		Y. Beard	1977	
P-28-000255 CA-NAP-348 B9-WWL	Prehistoric	Y. Beard	1973	Possibly a habitation site or major seasonal camp near Glass Mountain with a midden mound with fire-affected rock, debitage, core fragments, bifaces, flaked scrapers, utilized flakes, and other cutting tools. The previous owners [redacted] had a collection of artifacts from this site which is now at the Lowie Museum. [redacted] also allowed friends to dig test pits in the southeast portion of the site.
		W.E. Soule and D. Sheeders	1980	
P-28-000280 CA-NAP-376 B-62-BB	Prehistoric	Y. Beard	1976	Extensive midden deposit with debitage on the [redacted]; likely a camp site. Midden deposit is at least 18 inches deep with dense lithic debris including tool fragments. Owner has also found projectile points, small mortars, pestles, and a hopper mortar.
P-28-000332 CA-NAP-435 B-100-FB	Prehistoric	Y. Beard	1977	Bedrock milling station (free-standing boulder) with an elliptical dished surface, one portable mortar of scoria, and three pestles (one broken). The milling station was identified at the base of an oak tree, adjacent to the driveway; it was moved by the owner 8 feet to the southwest.
P-28-000369 CA-NAP-482 B-115-SV	Prehistoric	Y. Beard	1977	An obsidian lithic scatter along the south bank of Ritchey Creek with a few projectile point fragments, one complete projectile point, one hammerstone, a basalt core tool, and a metate fragment. The site was impacted by construction of a pond and may extend under SR 29.
		R. Douglass	2005	
P-28-000389 CA-NAP-503 B-60-LFC	Prehistoric	Y. Beard	1976	The site was originally documented as a likely workshop with dark midden soils (~2 feet deep) with fire-affected rock, lithic debris as well as natural obsidian, obsidian bifaces, cores, lithic
		K. Flynn, W. Roop and T. Marks	1981	

Resource Designation(s)	Period	Author(s)	Date	Description
Lodi Farm Center ARS-80-83 ARS 81-05B		K. Flynn and T. Marks	1981	cobble tools, and groundstone. The 2015 record only notes obsidian debitage and mention [redacted] Records mention an historic era winery, Lodi School, and historic debris in this location, but these were not documented.
		E. Barrow	2017	
P-28-000410 CA-NAP-526 Bale Mill Site #2 BM-2	Prehistoric	K. Cooley-Reynolds and M. Sampson	1977	A dense obsidian lithic scatter with tools and utilized flakes along [redacted]. The site area had been previously used by local families for picnicking; it is likely that artifacts have been collected from the site.
P-28-000411 CA-NAP-527 Bale Mill #4 BM-4	Prehistoric	M. Sampson and K. Cooley-Reynolds	1977	An obsidian lithic scatter along the south bank of Mill Creek; some flakes exhibit use-wear. Record notes remnants of flume for Bale Mill site were observed in the creek, [redacted].
P-28-000414 CA-NAP-530 Bale Mill #7 BM-7	Prehistoric	V. Levulett and J. Bingham	1978	The obsidian lithic scatter is situated on a knoll, [redacted], and includes lithic debris with re-touched and utilized flakes.
P-28-000415 CA-NAP-531 Bale Mill #8 BM-8	Prehistoric	V. Levulett	nd	The obsidian lithic scatter is situated on a small [redacted] The lithic debris includes flakes and cores. This site is part of a larger complex of similar sites [redacted].
P-28-000464 CA-NAP-582 Larkmead-1	Prehistoric	W.E. Soule and D. Sheeders	1980	A dense obsidian lithic scatter with fire-affected rock and midden. Lithic debris includes bifaces, flake scrapers, utilized flakes, cores and core fragments. The latest recording in 2005 extended the site boundary over 300 meters to the east, [redacted].
		R. Douglass	2005	
P-28-000510 CA-NAP-632 Calistoga Air Park Landing Strip	Prehistoric	D. Davis	1982	A dense obsidian lithic scatter with a projectile point fragment, and some artifacts. Record notes the site is in the center of the historical Aguas Caliente Hot Springs and part of the former Calistoga Mineral Springs grounds which dates from 1859.
P-28-000565 CA-NAP-688	Prehistoric	C. Gerike and S. Stewart	1984	A moderately dense obsidian lithic scatter, one small corner-notched Borax Lake obsidian projectile point, and possible fire-affected rock with midden soils, [redacted]
P-28-000817 CA-NAP-914 FODC DC-97-11C	Prehistoric	D. Chavez	1997	A dense deposit of midden soil and fire-affected rock along the Napa River with an obsidian lithic scatter and flake tools including a projectile point fragment, biface fragment, and possible hammerstone.
P-28-000846 CA-NAP-172 Cooke Site B-54 & B-118	Prehistoric	Heizer et al.	1953	The site was originally documented by Heizer et al. as a large village site with a large depression on top of a mound (likely a dance house), an obsidian lithic scatter, and possible burials [redacted] Later records documented the presence of
		Stoll	1959	
		Y. Beard	1976	
		Y. Beard	1977	

Resource Designation(s)	Period	Author(s)	Date	Description
B-54-CC B-118-PN		Y. Beard	1977	lithic tools, projectile points, beads, clam shells, mussel shells, and other marine shell as well as bone, with the site extending south of the Napa River. The 1976 record still notes the presence of the mound. [redacted] The site has been subjected to major disturbances and looting over time.
		N. Edwards	1992	
		J. Farrell and S. Kitchel	2018	
P-28-000847 CA-NAP-173 Gaugher Site B-49-SV	Prehistoric	Elsasser	1953	The site was originally recorded as a large occupation mound (dark soil) with lithics and groundstone north of the Napa River and south of the railroad tracks. Lithics included debitage, projectile points, blades, and basalt scrapers and groundstone included manos and pestles. Now the site is a scatter of debitage and remnants of midden along a strip of land, in Sterling vineyards, between the pavement and the edge of the riverbank; most of the site is under concrete at the parking lot and/or warehouse per owner. [redacted]
		Stoll	1959	
		Y. Beard	1976	
		Y. Beard	1976	
P-28-000848 CA-NAP-174 Wright-McCollum Site B-43-AB	Prehistoric	Elsasser	1953	The site was originally recorded as a low occupation mound (1.5 meters deep) with an extensive scatter of obsidian debitage, projectile points, and blades and basalt core tools, [redacted] In 1976 it was reported that a historic era house sat on top of a portion of the prehistoric site and was a major impact to the prehistoric resource [redacted] lthough site boundaries are difficult to discern due to landscaping and other disturbances.
		A. Peak and M. Peak	1975	
		Y. Beard	1976	
P-28-000960 CA-NAP-840H Foundation	Historic	J. Pape and S. Thompson	1992	The site represents the remnants of a possible automobile wrecking shop ca. 1930s with concrete foundations, a mortared and rocked retaining wall, a concrete ramp, and a wood retaining wall adjacent to the ramp; no structures are present.
P-28-001011 CA-NAP-943/H Pacheteau Hot Springs Flake Scatter ARS-82-08-1 Calistoga Village Inn Site Indian Hot Springs Sam Brannan's Spring Ground	Multicomponent	Flynn, Roop, Duddy, and D. Davis	1982	The prehistoric component was originally recorded [redacted] t as a sparse scatter of obsidian, chert, and chalcedony debitage and utilized flakes with fire-affected rock and possible groundstone at the edge of a marshy area/spring, [redacted]. A Wappo village was reportedly located directly west of this location, [redacted]. Over time the resort changed names and a historic component with historic debris, [redacted] was added in 1988. Site boundaries were extended further south in 1991. Testing in 1999 by ASC and review of historic maps and other documents suggest features of [redacted] could be found under SR 29 [redacted] In 2000 sites P-28-000596 (CA-NAP-721)
		D. Bieling and L. Towey	1986	
		M. Kelly and R. Benson	1988	
		K. Dowdall and S. Thompson	1991	
		K. Dowdall and N. Thompson	1999	
		R. Douglass	2005	

Resource Designation(s)	Period	Author(s)	Date	Description
		E. Wohlgemuth	2008	and P-28-000506 (CA-NAP-628) were subsumed into this site, based on findings from the 1999 findings. Data recovery excavations in 2005 by ASC unearthed diagnostic projectile points (6), bifaces, cores, and a core tool and radiocarbon dates suggest a Middle Archaic occupation of the site area. Geoarchaeological explorations were also conducted in 2016 with two mechanically drilled cores excavated in the southern portion of the site with sparse findings of prehistoric materials.
		N. Scher	2016	
P-28-001286 CA-NAP-1015 BNVSP Cupule Rock	Prehistoric	E.T. Jones	2005	Petroglyph site located west of Ritchey Creek on a finger ridge. At least 20 cupules were identified on an igneous outcrop as well as depressions that are natural in origin. One isolated obsidian flake was identified at the base of the outcrop.
P-28-001346 TN-50	Historic	R. Douglass	2005	A moderately dense scatter of obsidian with subangular obsidian nodules that have been flaked and broken by recent activities. The obsidian material is on the west [redacted] e. The obsidian may be imported fill for the road and appears to be non-cultural. No obsidian was observed in the vineyards on either side of SR 29; the obsidian is not considered to be cultural in nature.
P-28-001349 TN-39	Historic	R. Douglass	2005	An historic era resource with a possible stone foundation, a depression which may have been a building pad, a mounded area, a possible trench, and structural remains.
P-28-001359 CA-NAP-1021 BNVSP-95-1	Prehistoric	B. Parkman and B. Stillman	1995	A sparse obsidian lithic scatter with approximately 30 flakes, a projectile point fragment (collected), and a portable basalt mortar identified along the [redacted]
P-28-001360 CA-NAP-1022/H BNVSP-95-2 BNVSP-CW-3	Multicomponent	F.A. Riddell	1975	The prehistoric component is a habitation site with possible housepits, hearth, midden (black), obsidian debitage, a diagnostic projectile point, bifaces, a core, a shaped pestle, and possible sling stone [redacted] The historic component is comprised of domestic debris that includes bottle glass, liquor and wine bottles, beer cans (some with labels still present) and other cans, ceramic fragments and ironstone, and metal artifacts from the late 1940s to the early 1960s. [redacted] Some of the prehistoric artifacts were collected and curated at the State Archaeological Collections Research Facility in West Sacramento. Looting has occurred at the site. In 2017 site P-28-000238 (CA-NAP-326/H) was subsumed into this site as the two resources overlapped.
		D.A. Bell	1977	
		B. Parkman and B. Stillman	1995	
		J.C. Whatford	1995	
		E.T. Jones	2006	

Resource Designation(s)	Period	Author(s)	Date	Description
P-28-001361 CA-NAP-1023 BNVSP-95-3	Prehistoric	B. Parkman and B. Stillman	1995	A sparse obsidian lithic scatter situated [redacted] The site is comprised of obsidian debitage, four bifaces, one uniface, and a possible midden deposit. Some of the artifacts were collected and curated at the State Archaeological Collections Research Facility in West Sacramento.
P-28-001381 Bisagno Isolates	Prehistoric	Tom Origer & Associates	2006	The resource is a very sparse and dispersed isolated find of lithic material found within the proposed Bisagno Vineyard, [redacted]. The obsidian lithic scatter includes two biface mid-sections, one complex flake, and two pieces of debitage.
P-28-001504 KC-2	Historic	Archaeo Metrics, Inc.	2008	Historic artifacts were observed on the surface and include amethyst glass, fragments of porcelain, and melted glass. According to the landowner the site was [redacted]
P-28-001505 CA-NAP-1078 KC-3	Prehistoric	Archaeo Metrics, Inc.	2008	An obsidian lithic scatter with approximately 100 pieces of debitage was identified; no diagnostic artifacts or formal tools were observed. [redacted]
P-28-001541 CA-NAP-1128/H AT&T Calistoga NRB1	Multicomponent	J. Dougherty and M. Maniery	2009	The historic component, originally documented in 2009, is a 1940s AT&T building located at 1310 Lincoln Avenue. The prehistoric component of the site was identified during auger and core sampling in 2013, not through surface inspection. Materials unearthed include obsidian debitage (107 pieces), three meta-volcanic flakes, one obsidian flake tool, and two bone fragments; one obsidian flake was found on the riverbank. In 2016 geoarchaeological excavations were conducted and two cores in the site produced five obsidian flakes. During monitoring activities in 2018 four more obsidian flakes were observed in the trenches that were excavated by a hydrovac machine. At this point the boundaries for the prehistoric component are undetermined, although, hydration measurements indicate site occupation during the Middle and Upper Archaic.
		N. Scher and J. Berg	2013	
		L. Clementino	2014	
		N. Scher	2016	
		K. Ross	2018	
P-28-001558 ARS 08-058-01 Spring Mountain Estates Trash Scatter	Historic	S. Evans	2008	The site is a scatter of domestic refuse, a rock retaining wall, remnants of a former structure, and fruit trees. Domestic debris includes bottle glass, ceramics, cosmetic jars, an ink bottle, saw-cut animal bones, and other miscellaneous materials. A structure is depicted on the 1960 USGS 7.5' St. Helena quadrangle.

Resource Designation(s)	Period	Author(s)	Date	Description
P-28-001559 St. Helena Market Place Lithic Scatter ARS 09-009-01	Prehistoric	S. Evans	2008	A sparse obsidian lithic scatter comprised of 18 flakes over a large area; no diagnostic artifacts or formal tools were observed. The site has been heavily impacted by installation of a wastewater facility for the St. Helena Market Place.
P-28-001560 Spring Mountain Estates Rock Features ARS 08-058-02	Historic	S. Evans	2008	Historic features were identified within an olive orchard and include two fieldstone walls without mortar, remnants of an old road with boulders bounding the downslope road shoulder, and three rock piles. Only one of the walls is in good condition and clearly defined. The historic era olive orchard was documented separately as P-28-001561.
P-28-001561 Spring Mountain Estates Olives ARS 08-058-03	Historic	S. Evans	2008	The site represents the remnants of a much larger olive orchard with possibly several dozen trees remaining. The olive orchard may date to the 1890s, although, further research needs to be conducted to confirm this date and to ascertain who it may have been associated with historically.
P-28-001892 ARS 80-10-1	Prehistoric	K. Flynn and W. Roop	1980	An isolated vesicular basalt portable mortar was identified on the top of a fieldstone retaining wall along a driveway that leads to a house/winery that has burned down.
P-28-002527 York Creek Lithic Scatter	Prehistoric	M. Salisbury and J. Roscoe	2016	An obsidian lithic scatter with one obsidian core and one biface along the north bank of York Creek. [redacted]

*Bibliographic data for previous studies provided in this table is not replicated in Section 6.0 References.
All reports on file with the NWIC at Sonoma State University.

Of the five historic period resources within the APE, two (P-28-001440 and P-28-000959 [CA-NAP-839H]) are of note. Site P-28-001440 is the Beringer Winery Historic District, which is located [redacted] and has a period of significance spanning 1878 to 1935. The winery comprises cultivated lands, winery support structures, circulation routes, landscape elements, and residential buildings that have been in continuous operation since its founding in 1876. P-28-000959 (CA-NAP-839H) is a landscaping feature associated with the district comprising two parallel rows of elm trees that were planted on either side of SR 29 in 1885 and form a canopy in front of the Beringer Winery. The Beringer Winery has been evaluated and listed in the NRHP and the CRHR and designated as a Historic District and a California Historical Landmark. P-28-000959 (CA-NAP-839H), the landscaped elm trees, have been evaluated as a contributing element of the district. Two of the resources represent two districts, the Napa Valley Railroad District (P-28-001547) and the Lincoln Avenue Commercial District (P-28-001705), which have been evaluated and determined not eligible for listing in the NRHP. These resources will be discussed further in a HRER being prepared by for the project (JRP 2020). The AGRO Industrial Electric – Scott residence/Wright rental (P-28-002528) was recorded in 1986 by William Grummer of California State Parks and Recreation. The residence was constructed from two buildings which were moved to the site about 1948, The site record indicates the building was scheduled for demolition by State Parks.

Of the seven multicomponent sites within the APE, several of the resources have been the subject of monitoring or subsurface excavations. P-28-000454 (CA-NAP-571/H) includes a sparse historic period debris scatter as well as prehistoric midden, lithic debris, and tools. Gary (1977) monitored construction of an upgrade to the Cal Fire Headquarters [redacted] No substantial deposits were observed. A portion of the site was tested in 1998 by the Anthropological Studies Center (ASC) of Sonoma State University to evaluate and determine the extents of the site in support of a construction project by the California Department of Forestry and Fire Protection. Only lithic debitage was unearthed; no diagnostic tools or other artifact classes were recovered that would suggest long term prehistoric occupation of the site. The historic period component consisted of "sheet" deposits with no discrete or intact historic period deposits. Ferneau (1999) recommended that the portion of the site above SR 29 was ineligible for listing in the CRHR. Ferneau indicated that other portions of the resource would need to be evaluated, presumably the deposit located close to SR 29. In 2017 (Higgins 2017) monitored excavation of a PG&E bell hole on the west side of SR29. Two obsidian artifacts were noted. In 2018 (Wohlgemuth 2018) conducted investigations for a PG&E gas line replacement project. The excavations conducted primarily within the Caltrans ROW and on Cal Fire property [redacted]. One shovel probe was excavated on [redacted]. Wohlgemuth (2018) recommended that the resource was not eligible for the NRHP as little material was found.

The prehistoric component of P-28-000923 (CA-NAP-360/H) consists of midden deposits and lithic material straddling [redacted]. The historic period component is a debris scatter representing the remnants of ranch buildings from the late 19th to early 20th century. The site was subject to subsurface testing, which focused on the prehistoric component. Ferneau (2000) conducted test excavations on both sides of SR 29 and excavated a total of 5.2 cubic meters of sediment. The excavated assemblage primarily consisted of obsidian flakes, a projectile point, two biface fragments, and a mortar fragment. The three flaked stone tools were collected on the east side of SR. 29. Historic period materials were collected from most units and consisted of ceramic, metal, glass, plastic, and rubber items. One marble, a piece of fabric, and a piece of concrete were noted. Obsidian hydration rim measurements suggested the presence of single component areas and an Upper Archaic to Lower Emergent Period occupation. Ferneau (2000) recommended the resource eligible for listing in the NRHP, though she noted that the site had been disturbed. Subsequent to Ferneau's investigation in 2000, Far Western conducted Extended Phase I and Phase II excavations at P-28-000923 and monitored a PG&E valve replacement project at the site on the eastern side of SR 29 (Younie et al. 2017a). Subsurface testing of the site for the PG&E project yielded positive findings, though materials were sparse. Due to the very small portion of the site that was tested, no eligibility recommendation could be made, though Younie et al. (2017a) indicated that the site as a whole should be evaluated for listing in the NRHP, including the portion of the site outside of their study area. Younie et al. (2017a) recommended the portion of the site tested not eligible as a California Historical Landmark.

P-28-000503 (CA-NAP-625/H) is a multicomponent site with a sparse historic period debris scatter as well as prehistoric midden, lithic debris, and tools. The historic period site component includes cut nail, ceramic sherds, bottle glass, and a shell button. The original site recording noted three concentrations (A, B, and C) of prehistoric material within the site boundaries. A subsequent rerecording of the site in 2005 noted that only concentration C was within the Caltrans right-of-way. P-28-000503 has not been evaluated for listing in the NRHP or CRHR.

P-28-000062 (CA-NAP-58/H) is within BNVSP was first recorded in 1947 (Davis 1947 and subsequently has been the subject of at least eight updates (cf. Table 2-1) The prehistoric component consists of a large habitation area [redacted] and contains midden, debitage, cores, tools, groundstone, fire-affected rock, and bone tools. The historic period component consists of two houses (ca. 1920s), a stone chimney, concrete foundation, rock walls, outbuildings, and a light domestic debris scatter (late 19th-early 20th century). The site has been the subject of two excavations that have not been reported on. Bell (1977) conducted excavations for the construction of State Park Road and Santa Rosa Junior College conducted excavations in 2006 and 2007. The materials from these excavations has never been fully analyzed and both collections are curated by Department of Parks and Recreation. [redacted]. Phase II excavations to determine the eligibility of the site were completed in Fall 2019. The site appears to have integrity and an abundance of artifacts and ecofacts and has been determined eligible for listing in the NRHP and CRHP. Concurrence by the SHPO is pending.

P-28-000952 (CA-NAP-832) was originally recorded as a sparse, dispersed lithic scatter of obsidian debitage and a single core tool. The resource was subject to subsurface examination by Ferneau (2000) with the Caltrans right-of-way and on privately owned land to the east of SR 29. A total of 18 excavation units of varying sizes were manually excavated as part of the testing program. Roughly 7.3 cubic meters of sediment was examined. A total of 663 pieces of debitage, a core, and an unidentifiable projectile point fragment were recovered during the investigation. Historic period materials were collected from six of the surface transect units and one controlled excavation unit. Ferneau (2000) concluded that the site, in the portion that she tested, was not eligible for inclusion in the NRHP and offered little data potential. Further, she indicated that the site was heavily disturbed and comprised a mixed, possibly secondary deposit. The ca. 1952 house and a stone wall fronting the property were part of the original site recording by Caltrans, thus it is regarded as a multicomponent site.

The Bale Mill Historic Complex (P-28-000240 [CA-NAP-328/H]), a grist mill that figured prominently in grain processing in the Napa Valley, contains both a prehistoric and historic period component. The prehistoric component consists of midden and a dense scatter of obsidian debitage and tools with a probable subsurface element. The historic period component comprises the remnants and structural debris from the Bale Grist Mill. These remnants include stone walls, a dirt road, and a debris deposit. The mill's standing structures have been documented separately as P-28-001846, which is within the 0.25-mile records search radius. The site has been the subject of at least five subsurface excavations including those by Alvarez et al. (1998), Parkman 2007), Sampson (1982), and Woghlmuth (2018) P-28-000240 has been evaluated and found eligible for listing in the NRHP and CRHR.

The BNVSP Pioneer Cemetery (P-28-001287 [CA-NAP-1016/H]) is a multicomponent resource which has a historic and well as prehistoric component. The prehistoric component is characterized by Fukui (2018) as a sparse obsidian lithic scatter noted throughout the site. Within the site boundaries a boulder containing rock art has been reported (K. Greene personal communication). The historic component consists of the foundation stones of the Asa White church and other features. The church, built in 1853, which was the first church in Napa Valley. In addition to the foundation stones, other features include the Pioneer Cemetery known to contain at least 60 graves, and two loop roads around the cemetery and church.

The Beringer Winery has been evaluated and listed in the NRHP and the CRHR. It has been designated as a Historic District under NRHP Criterion A and is also listed as California Historical Landmark No. 814. P-28-000959 (CA-NAP-839H) has been evaluated as a contributing element of the Beringer Winery Historic District. One of the resources within the APE, the Bale Mill Historic Complex (P-28-000240 [CA-NAP-328/H]), has been listed in or determined eligible for listing in the NRHP and CRHR. The resource is also California Historical Landmark Number 359. Five of the resources have been evaluated and determined not eligible for listing in the NRHP but have not been evaluated for listing in the CRHR. Six of the resources have not been evaluated for listing in the NRHP or CRHR (Table 2-1).

A total of 38 resources have been previously documented outside of the Project APE but within a surrounding 0.25-mile radius. These include prehistoric and historic period archaeological resources as well as built environment resources. Salient features of these resources are included in Table 2-2 for reference should the archaeological study area be adjusted.

2.1.2 Previous Studies

The archival and records search revealed 145 prior studies, including 71 within the APE and 74 within a surrounding 0.25-mile radius. Studies were conducted for approximately 92 percent of the APE. Prior studies within the APE will be selectively discussed (Table 2-3), while those outside of the APE will not be discussed further (Table 2-4). The 71 prior studies that overlapped the APE consisted primarily of archaeological surveys, most of which included archival and historical research. Thirty-seven of those studies yielded positive results for cultural resources in the APE, while the remaining 34 studies yielded negative results. Most of the cultural resources in the APE have been reported on multiple times to note changes in their condition (Table 2-1).

Of the studies that yielded positive results, the most extensive was that conducted by Leach-Palm et al. (S-033511) in 2007. It included a survey of rural roads across five counties and resulted in the identification of 167 resources, 85 of which are in Napa County. Another extensive study (S-031540) involved an assessment of storm damage in a few of California's State Parks across Sonoma and Napa counties. Conducted by Parkman in 2006, it included observations in BNVSP concerning multicomponent site P-28-000062 (CA-NAP-58/H), which is located on Ritchey Creek.

Several studies concentrated exclusively on prehistoric sites, including several with midden concentrations, lithic tool, and debitage. A 1980 report by Soule (S-002320) discussed the investigation of P-28-000255 (CA-NAP-348), a [redacted] A 1981 report by Hunt (S-002770) identified midden and [redacted] as P-28-000503 (CA-NAP-625/H). Study S-021354, a survey and excavation report produced by Ferneau in 1999, discussed site P-28-000454 (CA-NAP-571/H) as a lithic debitage deposit, though the site was identified in subsequent reports as a multicomponent resource with a historic period debris scatter. P-28-000454 was subject to subsurface testing and was found eligible for listing in the NRHP.

Table 2-3. Prior Cultural Resource Studies within the Area of Potential Effects.

Study Number	Author(s)	Date	Title	Type	Study Results
S-000498	M. Melandry	1977	Archaeological Survey on Roadway Widening at Lodi Lane near St. Helena, Napa County, 04-NAP-29 P.M. 30.6, 04322-910072-5921029	Survey	Negative
S-002320	W. Soule	1980	State Water Resources Control Board Division of Water Rights Cultural Resource Survey Report; Application 24916	Survey	Positive
S-002551	S. Dietz	1981	Cultural Resource Survey Report of the Calistoga Pipeline Archaeological Reconnaissance, Napa County, California	Survey	Positive
S-002770	T.L. Hunt	1981	Archaeological Reconnaissance of 4.10 Acres Along St. Helena Hwy. and Mill Creek; Evaluation of Potential Impacts to Archaeological Resources from Excavation of Leach Line and Septic System (letter report)	Survey	Positive
S-007484	J.K. Offerman	1985	An Archaeological Survey for Two Proposed Guardrail and Bridge Approachment Projects in Marin, Sonoma, and Napa Counties, California: 04-Nap-29-32.0/33.1, 04352-116510; 04-Mrn-Son-Nap, Various Routes, 04352-114130	Survey	Positive
S-009184	C. Gilbert and L. Felton	1987	Archeological Investigations for Reconstruction of the Flume at Bale Grist Mill State Historic Park, 1983-1986	Survey and Excavation	Positive
S-010146	S.H. Alvarez, J.F. Hayes, A. Praetzellis, and M. Praetzellis	1988	Archaeological Investigation of the Portion of CA-NAP-328 Beneath the Old Bale Grist Mill Granary	Excavation	Positive
S-016748	J.L. Pape	1993	Archaeological Survey Report for the Proposed Roadway Rehabilitation of Route 29, York Creek to Bale Lane, 04-Nap-29 PM 29.3/32.1 04234-12847K	Survey	Positive
S-017784	S. Skjeie	1976	Phase I, Bale Grist Mill State Historic Park, Napa Valley, Preliminary Planning Program, Overall Interpretive Period: 1843 to 1905, Primary Interpretive Period: 1860 to 1879	Architectural Research	Positive
S-019690	M. Gary	1997	Archaeological Surveys of the Proposed CDF Sonoma-Lake-Napa Ranger Unit Headquarters and Emergency Command Center in St. Helena, Napa County, California	Survey	Positive
S-020320	C.E. Widell and S.E. Wilcox	1998	EPA980211A; ADOE-28-98-001-00; Calistoga Wastewater Treatment Plant Expansion Project, Napa County	OHP Correspondence	Negative
S-021260	K.J. Tremaine and J.A. Lopez	1998	Rock Fences of Napa County: A Pilot Study	Architectural Research, Reconnaissance, and Field Study	Positive

Study Number	Author(s)	Date	Title	Type	Study Results
S-021354	J. Ferneau	1999	Archaeological Study of a Portion of CA-NAP-571, CDF Sonoma-Lake-Napa Ranger Unit Headquarters, St. Helena, NAPA County, California	Survey and Excavation	Positive
S-025064	E. Bedolla	2002	A Cultural Resources Evaluation of the Proposed 3.1-Acre Vineyard Within Property at 3199 St. Helena Highway North, Napa County, California	Survey	Negative
S-027008	E. Bedolla	2003	A Cultural Resources Evaluation of the Proposed Class I Bike Path, Calistoga, Napa County, CA	Survey	Positive
S-027333	J.M. Lloyd and T.M. Origer	2003	Historical Resources Compliance Report for Highway Improvements for the Villa Amorosa Winery 3999 Highway 29, Napa County, California, 04-NAP-29, Post Mile 34.03-34.30	Survey	Positive
S-027333a	J.M. Lloyd and T.M. Origer	2003	A Cultural Resources Survey for Highway Improvements for the Villa Amorosa Winery 3999 Highway 29, Napa County, California	Survey	Negative
S-029569	T.M. Origer	1998	Examination of the location at Larkmead Vineyards where an existing reservoir is planned to be expanded (letter report)	Survey	Positive
S-029569a	V. Beard	1998	Larkmead Vineyards Reservoir Project (letter report)	Excavation	Negative
S-029580	K. Dowdall	2000	Archaeological Survey Report for the Proposed Roadway Rehabilitation of Route 29, York Creek to Bale Lane, 04-Nap-29 KP 47.1/52.8 (PM 29.2-32.7) 04234-128471	Survey	Positive
S-029580a	A. Hope	2000	Historic Architecture Survey Report for the Proposed Improvements to Highway 29 from York Creek in the City of St. Helena to Bale Lane, North to St. Helena, Napa County, 4-Napa-29 KP47.1/52.8 128471	Architectural Research and Survey	Negative
S-029580b	J.A. Ferneau, S. Psota, D.G. Bieling, K. Dowdall, D.A. Fredrickson, S.B. Stewart, and N.B. Thompson	2000	Archaeological Test Excavations for the Proposed Roadway Rehabilitation of Route 29 York Creek to Bale Lane, KP 47.1/52.8 (PM 29.2/32.7) EA128471	Excavation	Negative
S-029803	V. Beard	2005	A Cultural Resources Survey for the Moghadam Vineyard Erosion Control Plan Near St. Helena, Napa County, California.	Survey and Excavation	Positive
S-031540	E.B. Parkman	2006	Pricing the Priceless: Assessing Storm Damage to Archaeological Sites in the Diablo Vista and North Bay Districts	Reconnaissance	Positive
S-032052	E.B. Parkman	2006	Archaeological Investigation at CA-NAP-58, BNVSP, Napa County, California	Excavation	Positive
S-033802	J.A. Ferneau, S. Psota, and D.G. Bieling	2000	Archaeological Test Excavations for the Proposed Roadway Rehabilitation of Route 29, York Creek to Bale Lane.	Excavation	Positive
S-033511	L. Leach-Palm, P. Mikkelsen, J. King, P. Brandy, and L. Hartman	2007	Cultural Resources Inventory of Caltrans District 4 Rural Conventional Highways in Alameda, Marin, Napa, San Mateo, Santa Clara, and Sonoma Counties	Architectural Research and Survey	Positive

Study Number	Author(s)	Date	Title	Type	Study Results
S-035303	J.C. Whatford	2008	Archaeological Survey Report: Napa Firewise Defensible Space Project	Survey	Positive
S-035720	E.T. Jones	2009	Inventory and Preliminary Analysis of Archaeological Collections from Ten Sites in BNVSP, Napa County, California	Survey	Positive
S-036150	S. Evans	2008	A Cultural Resources Evaluation of the Proposed Spring Mountain Estates, 2600 Spring Mountain Road, St. Helena, Napa County, California (APN 009-131-002 and 009-131-043)	Survey	Positive
S-039456	M. Salisbury and J. Roscoe	2012	A Cultural Resources Investigation of the California Department of Fish and Game, In-stream Flow Measurements on Napa Tributaries Project (R3-60), Napa County, California	Survey	Positive
S-043820	E. Mick	2012	Pacific Gas & Electric Company's St. Helena Bothe State Park, Pole Replacement Project (PM: 30824012) – Cultural Resources Investigation, Napa County, California (letter report)	Survey	Positive
S-044294	A. Hallock and D. Andolina	2013	PG&E Cultural Resources Constrains Report: Silverado 2105 Circuit-Napa Reconductoring	Survey and Excavation	Positive
S-044295	A. Hallock and D. Andolina	2013	Cultural Resources Constraints Report: Silverado 2105 Reconductor II-Napa Reconductoring	Architectural Research, Survey, and Excavation	Positive
S-044327	V. Hagensieker and J.M. Origer	2013	A Cultural Resources Study for the Morlet Winery Vineyard Expansion Project at 2825 Highway 29, St. Helena, Napa County, California	Architectural Research and Survey	Positive
S-044336	Y. Chavez, E. Barrow, and T. M. Origer	2013	A Cultural Resources Survey of the Alumbaugh Property (APNs 022-220-028 and 022-220-029) St. Helena, Napa County, California	Architectural Research and Survey	Positive
S-045478	E. Barrow	2014	A Cultural Resources Survey for the Fair Way Extension Path Project, Calistoga, Napa County, California	Survey	Negative
S-047578	E. Castano	2016	Archaeological Survey Report for the Proposed Calistoga ADA Curb Ramp Replacement and Installation Project Napa County, California; EA 04-3G140, EFIS 0412021276, State Route 128 PM 4.0/4.5 and State Route 29 PM 36.9/38.1	Survey	Positive
S-047578a	N. Scher	2016	Extended Phase I Investigations for the Calistoga ADA Curb Ramp Replacement and Installation Project, Calistoga, Napa County, California EA/ID 3G1400/0412021276-, 04-NAP-128 PM 4.0/4.5 and 04-NAP-29 PM 36.9/38.1	Research	Negative
S-047578b	E. Castano	2016	Historic Property Survey Report for the Proposed Calistoga ADA Curb Ramp Replacement and Installation Project Napa County, California; 04-NAP, SR-128 PM 4.0/4.5 and SR-29 PM 36.9/38.1, EA 04-3G140, EFIS 0412021276	Management Planning	Negative

Study Number	Author(s)	Date	Title	Type	Study Results
S-047578c	E. Castano, B. Harris, and D. Bright	2016	Finding of No Adverse Effect for the Proposed Calistoga ADA Curb Ramp Replacement and Installation Project Napa County, California; EA 04-3G140, EFIS 0412021276, State Route 128 PM 4.0/4.5 and State Route 29 PM 36.9/38.1	Evaluation	Negative
S-047578d	E. Castano and B. Harris	2016	Environmentally Sensitive Area, Archaeological Monitoring, and Discovery Plan for the Proposed Calistoga ADA Curb Ramp Replacement and Installation Project Napa County, California; EA 04-3G140, EFIS 0412021276, State Route 128 PM 4.0/4.5 and State Route 29 PM 36.9/38.1	Management Planning	Negative
S-047578e	K. Hobbs and J. Polanco	2016	FHWA_2016_0219_001, Finding of Effect for the Caltrans Calistoga ADA Curb Ramp Replacement and Installation Project, Calistoga, Napa County, CA	OHP Correspondence	Negative
S-047578f	B. Mischke	2018	Archaeological Construction Monitoring of Calistoga ADA Curb Ramps Replacement and Installation, Napa County, California, State Route 128 P.M. 4.0/4.5 and State Route 29 PM 36.9/38.1	Survey and Monitoring	Negative
S-049385	M. Rossi	2017	PG&E Cultural Resources Constraints Report: Big Tree Road HRP, Napa County	Survey	Positive
S-049394	R. Fries	2016	PG&E Cultural Resources Constraints Report: HPR Tucker Road, Calistoga, Napa County	Research and Management Planning	Negative
S-049394a	B. Patterson	2017	Archaeological Monitoring Summary Report for 31113181 HPR Tucker Road, Calistoga, Napa County	Monitoring	Negative
S-049482	E. Barrow	2017	Historical Resources Study for the Freemark Abbey Hotel Project Napa County, California	Survey	Positive
S-050475	J. Etheridge and M. Cornelius	2016	Archaeological Sensitivity Assessment, SF90XC253A/9CAX001846, 1401 N. Oak Street, Calistoga, Napa County, California 94515, EBI Project Number: 6116005101, TCNS Number: 147027 (letter report)	Research and Management Planning	Negative
S-050475a	H. Crismon	2016	Submission Packet, FCC Form 620, for proposed New Tower Project, 1401 N. Oak Street, Calistoga, Napa County, California 94515, SF90XC253A/9CAX001846,	Survey	Negative
S-050475b	H. Crismon and J. Polanco	2017	FCC-2017_0110_009, SF90XC253A/9CAX001846, 1401 N. Oak Street, Calistoga, Napa County, New Tower	OHP Correspondence	Negative
S-050513	A.M. Younie, E. Wohlgemuth, and P. Kaijankoski	2017	Extended Phase I and Phase II Investigations for the DFM 0405-01 Valve Cluster Replacement (V-280) Project along State Route 29, Napa County, California, 04-NAP-29 – PM 31.42-31.51	Survey, Excavation, Evaluation, and Monitoring	Positive
S-050513a	N. Longo	2018	[Monitoring] PG&E DFM 0405-01 Valve Cluster Replacement (V-280) Project (PM #31099943) Caltrans SR 29 Post Miles 31.42–31.51	Survey and Monitoring	Negative

Study Number	Author(s)	Date	Title	Type	Study Results
S-050513b	R.M. Bottoms and J. Polanco	2017	U.S. Army Corps of Engineers; California Office of Historic Preservation Section 106 Consultation – PG&E DFM 0405-01 gas transmission line along SR 29 project (File number 2017-00158S) Napa County, CA	OHP Correspondence	Negative
S-051216	A.P. Duffee	2014	Historic Resources Evaluation, 3473 St. Helena Highway, St. Helena, Napa County, California (APN 022-040-014-000)	Architectural Research, Survey, and Evaluation	Negative
S-051447	B. Eastman and A. Praetzellis	1994	Task Order #DPT-001 for Agricultural Building Evaluation, Contract Number 4-823-3502, Phase I: Survey	Architectural Research, Management Planning, and Survey	Positive
S-051465	M. Salisbury and J. McFarland	2016	A Cultural Resources Investigation Report for the Napa River Dry-Season Streamflow Monitoring Project (WD-D034), California Department of Fish and Wildlife – FRGP 2014 (Grant # D1430601), Napa County, California	Survey	Positive
S-051509	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Historical and Recreational Facilities, Volume I: Reports 1-9 (inclusive)	Survey	Positive
S-051509a	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Report #1 – Andrew Molera State Park	Survey and Research	Negative
S-051509b	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Report #2 – Palm Beach State Beach	Survey and Research	Negative
S-051509c	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Report #3 – New Brighton State Beach	Survey and Research	Negative
S-051509d	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Report #4 – Henry Cowell Redwoods State Park	Survey and Research	Negative
S-051509e	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Report #5 – San Gregorio State Beach	Survey and Research	Negative
S-051509f	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Report #6 – Half Moon Bay State Beach	Survey and Research	Negative
S-051509g	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Report #7 – Mount Diablo State Park	Survey and Research	Negative
S-051509h	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Project #8 – Sugarloaf Ridge State Park	Survey and Research	Negative

Study Number	Author(s)	Date	Title	Type	Study Results
S-051509i	H.S. Keesling and G.R. Stammerjohan	1975	Statewide Survey Project of Cultural Resources in Relation to Departmental Development Projects, Report #9 – BNVSP	Survey and Research	Negative
S-051700	Carey & Co. Inc.	2002	Historic Structures Survey, BNVSP, Calistoga, California	Architectural Research and Survey	Positive
S-051702	E.B. Parkman	2007	Archaeological Dig at Bale Grist Mill	Excavation	Positive
S-051703	M. Sampson	1982	Archaeological Investigations at Bale Grist Mill SHP for the Proposed Visitor Access Development	Survey and Excavation	Positive
S-051703a	M. Sampson, M. Speer, R. Jackson, P. Bouey, and P. Hines	1983	An Archaeological and Ethnohistorical Study of Bale Grist Mill State Historic Park, Napa County, California	Survey, Excavation, and Research	Negative

*Bibliographic data for previous studies provided in this table is not replicated in Section 6.0 References.
All reports on file with the NWIC at Sonoma State University.

Table 2-4 Prior Cultural Resource Studies within a 0.25-Mile Radius of the Area of Potential Effects.

Study Number	Author(s)	Date	Title	Type	Study Results
S-000283	D.L. Young and R.A. Cook	1976	Archaeological Survey Report for Left Turning Lanes for Bothe Napa Valley State Park and Bale Lane on 4-Nap-29, P.M. 32.8/33.1.	Survey	Positive
S-000443	Archaeological Consulting and Research Services, Inc.	1977	Archaeological Reconnaissance: Wastewater Reclamation Pipeline, City of Calistoga.	Survey	Positive
S-000460	Ann S. Peak and Associates	1975	Cultural Resource Assessment of the Bosc Estate, Napa County, California.	Survey	Positive
S-000664	P.E. Amaroli	1977	An Archaeological Survey of the Wine Country Inn Property Near St. Helena, California	Survey	Positive
S-001749	J. Dollar and A. Bramlette	1979	An Archaeological Investigation of CA-NAP-376 Near St. Helena, California.	Survey	Positive
S-001749a	N.B. Thompson	1979	Report of the preliminary field examination and recommendations for the preservation of CA-NAP-376, St. Helena, California (letter report)	Survey	Negative
S-001890	W. Roop	1980	A surface reconnaissance of the approximately 5.33 acre Oliver parcel near St. Helena (letter report).	Survey	Positive
S-002318	W. E. Soule	1980	Cultural Resource Survey Report, Application 26302, Larkmead Vineyards, 1145 Larkmead Lane, P.O. Box 309, St. Helena, CA 94574.	Survey	Positive
S-002619	K. Flynn	1981	Archaeological reconnaissance of Lower Washington Street Public Utilities Project, City of Calistoga (letter report)	Survey	Negative
S-002739	G.L. Collins	1981	Andre F. Bosc Property: Field Check of CA-NAP-174 (letter report).	Survey	Positive

Study Number	Author(s)	Date	Title	Type	Study Results
S-002983	K. Flynn	1981	Archaeological evaluation of Pacheteau Springs (Hot Springs) resort, Calistoga, Napa County (letter report).	Survey	Positive
S-006352	W. Roop	1984	Archaeological Evaluation of Proposed Leach Field Expansion, ARS project #83-49 (letter report)	Survey	Negative
S-006478	C. Gerike	1984	An Archaeological Study for the Vineyards Apartment Project at 900 Foothill Boulevard, Calistoga, Napa County, California.	Survey	Positive
S-009102	R.H. Werner and J.M. Flaherty	1987	An Archaeological Survey of AP #20-150-17, Calistoga, Napa County, California	Survey	Negative
S-009184a	L. Felton and M. Sampson		Historical and Archaeological Evidence of the Waterwheel Tailraces at Bale Grist Mill State Historic Park	Survey	Negative
S-010146a	S.H. Alvarez, J.F. Hayes, A. Praetzellis, and M. Praetzellis	1998	New Prehistoric and Historic Preservatives at CA-NAP-328, Bale Mill State Historic Park	Survey and Research	Negative
S-010146b	G.J. Farris	1987	Hydration Band Measurement for 21 Obsidian Specimens from CA-NAP-328 (letter report)	Research	Negative
S-010388	M.K. Kelly	1988	Archaeological Survey Report for the Proposed Left-Turn Channelization and Roadway Widening, Napa County, NAP-29 PM 37.5/39.5 04234-124950	Survey	Positive
S-011517	K. Flynn	1989	Archaeological survey of the Lands of Egidio, APN 20-370-01, Calistoga, Napa County, California (letter report)	Survey	Positive
S-012041	P.R. Farrell and R.H. Werner	1990	Cultural Resources Survey of the Proposed Diamond Hill Estates Subdivision, Near Calistoga, Napa County, California (letter report)	Survey	Negative
S-012738	A. Neasham	1953	The Cooke Indian Site at Calistoga	Survey and Management Planning	Positive
S-012739	M.W. Stoll, Jr.	1960	Napa Valley Archaeological Survey	Survey	Positive
S-014708	K.S. Flynn	1993	A Cultural Resources Evaluation of the Wappo Promenade Project, State Highway 29 and Wappo Avenue, Calistoga	Survey	Positive
S-014817	J.M. Loyd and T.M. Origer	1993	An Archaeological Survey for the St. Helena Water Storage Tank Site and Water Main, St. Helena, Napa County, California	Survey and Excavation	Positive
S-016581	K.S. Flynn	1993	A Cultural Resources Evaluation of the Buckhorn Park Project, 3043 St. Helena Highway, St. Helena, Napa County	Survey	Negative
S-016849	G. King	1986	Historic Resource Evaluation Report on Former Napa Valley Railroad Line	Survey and Research	Positive
S-017573	S.A. Dietz	1976	Archaeological Test Excavations at 4-Nap-115	Excavation	Positive
S-017574	S.A. Dietz	1979	Archaeological Observations, City of Calistoga Reclaimed Water Wastewater Pipeline (letter report)	Survey and Monitoring	Negative

Study Number	Author(s)	Date	Title	Type	Study Results
S-017784a	C. Howell	1976	Report on the Old Bale Grist Mill, Napa Valley, California	Architectural Research, Survey, and Monitoring	Negative
S-017784b	D.L. Felton	1978	A Preliminary Report of Archaeological Investigations of the Mill Building, Bale Grist Mill State Historic Park	Excavation	Negative
S-017784c	D.L. Felton	1976	Archaeological and Historical Investigations at Bale Grist Mill State Historic Park	Architectural Research and Survey	Negative
S-020320	D. Chavez	1997	Cultural Resources Investigations for the Calistoga Wastewater Treatment Plant Expansion Project, Napa County, California	Survey	Positive
S-020873	K.M. Dowdall	1998	Positive Archaeological Survey Report for the Proposed Realignment and Widening of Portions of Route 29 in Napa County, 04-NAP-29, KP 60.19/ 63.73 (PM 37.4/39.6), 13496K	Survey	Positive
S-022862	K. Flynn	1989	Monitoring of Excavation within APN 20-370-01, Lands of Egidio (letter report)	Excavation	Positive
S-023509	J.M. Flaherty	2000	Cultural Resource Survey of Less Than One Acre Near Calistoga, Napa County, California (Sterling Vineyards Lower Tram New Parking)	Survey	Positive
S-027328	V. Beard and S. Schroder	2003	A Cultural Resources Survey for a Proposed Pond at 4771 Silverado Trail, Napa County, California	Survey	Positive
S-027395	V. Beard	2003	Results of Subsurface Investigations at 4771 Silverado Trail, Napa County (letter report)	Excavation	Positive
S-028408	J.M. Flaherty	2003	Prehistoric Cultural Resource Reconnaissance of 14 +/- Acres Near St. Helena, Napa County, California (Ehlers Estate Winery, APN 022-100-024)	Survey	Positive
S-030489	V. Beard	2005	Grant Street Reconstruction Project, Calistoga, Napa County (letter report)	Architectural Research and Survey	Positive
S-030905	S. Ham	2003	Caltrans Statewide Historic Bridge Update – Survey and Evaluation of Masonry Arch Bridges	Architectural Research, Survey, and Evaluation	Positive
S-030905a	S.E. Mikesell	2004	FHWA030430X; Survey and Evaluation of Masonry Arch Bridges – Caltrans Statewide Historic Bridge Survey Update	OHP Correspondence	Negative
S-032052a	E.B. Parkman	2006	Archaeology at Bothe Napa Valley State Park	Research	Negative
S-032154	M. Haydon	2005	An Archaeological Survey Report for the Diamond Hill Estates Timber Harvesting Plan, Napa County, California	CF Memorandum of Understanding	Positive
S-032154a	W. Roop	2005	An Evaluation of a Potentially Cultural Pit Feature Within the Diamond Hill Estates Project Area, Calistoga, Napa County, California	Architectural Research, Survey, and Excavation	Negative

Study Number	Author(s)	Date	Title	Type	Study Results
S-033361	S.M. Clark, H.L. Hoods, and E. Henderson	2007	A CEQA Review and Evaluation for Historical and Architectural Significance, Grant Avenue Warehouse, 1506 Grant Avenue, Calistoga, Napa County, CA 94515, Assessor's Parcel Number 11-101-01, 1.5 Acres within the Former Rancho Carne Humana, Township 9 North, Range 7 West, MDM	Architectural Research, Survey, and Evaluation	Positive
S-035211	T. Carpenter	2008	Cultural Resources Inventory of Approximately 7 Acres Located in Calistoga, California	Architectural Research, Survey, and Excavation	Positive
S-035883	J.W. Dougherty	2009	Cultural Resources Assessment of the AT&T Foundation Earthwork Repair Project, Calistoga, California (letter report)	Architectural Research and Survey	Positive
S-038737	C. Chattan	2011	A Cultural Resources Evaluation and Historic Structures Evaluation of the Indian Springs Resort, Lincoln Avenue at Brannan Street, Calistoga, Napa County, California	Architectural Research, Survey, and Evaluation	Positive
S-038761	J.M. Flaherty	2011	Prehistoric Archaeological Resource Reconnaissance of 6.4+/- Acres Near St. Helena, Napa County, California (Cairdean Winery, a portion of APN 022-070-028)	Survey	Negative
S-044324	V. Hagensieker and J.M. Origer	2013	A Cultural Resources Study for the J Cellars Driveway and Lane Expansion Project at 4455 St. Helena Highway, Calistoga, Napa County, California	Architectural Research and Survey	Negative
S-044327a	J. Franco	2016	Morlet Parking Lot Project, 2803 Highway 29, St. Helena, Napa County. (letter report)	Survey	Negative
S-045218	S. De Shazo	2014	Sam Brannan Cottage Preservation Treatment Plan	Architectural Research and Survey	Positive
S-045218a	C.R. Nawi and T.O. Laizure	2014	USDA_2014_0612_001: Window, Door, and Flooring Restoration, Brannan Cottage Inn, 109 Wappo Avenue, Calistoga, CA	OHP Correspondence	Negative
S-045339	L. Clementino and B. Harris	2014	Historic Property Survey Report, proposed replacement of the Napa River Bridge (#21-0018) on SR 29 (post mile 37.03) in the City of Calistoga, Napa County, California	Architectural Research and Management Planning	Positive
S-045339a	L. Clementino	2014	Historical Resources Evaluation Report for the Napa River Bridge (21-0018) Replacement Along State Route 29 in Calistoga, Napa County	Architectural Research, Survey, and Evaluation	Negative
S-045339b	B. Harris, L. Clementino, and L. Hartman	2014	Archaeological Survey Report for the Napa River Bridge Replacement Project on State Route 29 in the City of Calistoga, Napa County, CA	Architectural Research and Survey	Negative
S-045339c	N. Scher and J. Berg	2014	Extended Phase 1 Investigation for the Napa River Bridge Replacement Project, Calistoga, Napa County, California; EA 3G6400/0412000134, 04-NAP-9 PM 37.03	Excavation and Evaluation	Negative

Study Number	Author(s)	Date	Title	Type	Study Results
S-045339d	B. Harris	2014	Finding of No Adverse Effect for the Napa Bridge Replacement Project on State Route 29 in the City of Calistoga, Napa County, California.	Architectural Research, Evaluation, Management Planning	Negative
S-045339e	B. Harris	2014	Environmentally Sensitive Area and Archaeological Monitoring Action Plan for the Napa River Bridge Replacement Project on State Route 29 in the City of Calistoga, Napa County, California.	Management Planning and Monitoring	Negative
S-045339f	C.R. Nawi and K. Rose	2014	FHWA_2014_0512_001: Continuing Section 106 Consultation with the State Historic Preservation Officer (SHPA) on the Finding of No Adverse Effects without Standard Conditions for the Proposed Napa River Bridge (21-0018) Replacement along State Route 29 in Calistoga, Napa County, California	OHP Correspondence	Negative
S-046798	H. Koenig and K. Anderson	2015	Historic Property Survey Report, Berry Street Bridge Replacement Project, Napa County, California	Architectural Research and Survey	Positive
S-046798a	Heidi Koenig	2014	Archaeological Survey Report, Berry Street Bridge Replacement Project, Caltrans District 4-Oakland, Project No. BRLO 5061(007), Napa County, California	Survey	Negative
S-046798b	Heidi Koenig	2015	Extended Phase I Report, Berry Street Bridge Replacement Project, Napa County, California	Excavation	Negative
S-046798c	Katherine Anderson	2015	Historical Resources Evaluation Report, Berry Street Bridge Replacement Project, Napa County, California	Architectural Research, Survey, and Evaluation	Negative
S-047197	Scott M. Hudlow	2015	A Phase I Cultural Resource Survey at 611 Washington Street, City of Calistoga, California	Survey	Negative
S-047895	Sally Evans	2015	A Cultural Resources Evaluation for the Pavement Replacement Project on Washington Street, Between Gerard Street and Lincoln Avenue, Calistoga, Napa County, California	Survey and Evaluation	Negative
S-048419	Mark Arsenault and Eileen Barrow	2016	An Historical Resources Survey of a Portion of the Property at 3131 St. Helena Hwy. North, St. Helena, Napa County, California	Architectural Research and Survey	Positive
S-050533	H. Koenig	2018	Pioneer Park Pedestrian Bridge Project – Cultural Resources Inventory and Analysis (letter report)	Survey and Monitoring	Negative
S-051263	C. Higgins	2018	Lincoln Avenue Bridge, Calistoga, CA, Monitoring Project (PM #31166204) (letter report)	Survey and Monitoring	Positive
S-051333	J. Farrell	2018	Archaeological Investigation for the Riverside Ponds & Headworks Riverbank Repair Project – Geotechnical Soil Testing – HMGP 4240-20-27, Napa County, California	Survey	Positive

Study Number	Author(s)	Date	Title	Type	Study Results
S-051333a	J. Polanco	2018	FEMA_2018_0411_001, Section 106 Consultation for Geotechnical Soil Testing for the Dunaweal Wastewater Treatment Plant Riverside Ponds & Headworks Riverbank Repair Project, Napa County, California (Project # HMGP-4240-20-27)	OHP Correspondence	Negative
S-051333b	R. Hoffman	2018	City of Calistoga Riverside Ponds and Headworks Phase 1 Project – Archaeological Subsurface Survey and Monitoring Results (letter report)	Survey, Excavation, and Monitoring	Negative
S-051447a	B.T. Eastman and A. Praetzellis	1995	Task Order #DPT-005 for Agricultural Building Evaluation, Contract Number 4-823-3502, Phase II: Historic Context Statements and Typological Framework (Draft)	Architectural Research and Other Research	Negative
S-053085	T. Alshuth, J. Franco, and T. Origer	2017	Historical Resources Study of the Property at 2845 St. Helena Highway (APN 022-230-014) St. Helena, Napa County, California	Survey	Negative

*Bibliographic data for previous studies provided in this table not replicated in in Section 6.0 References.
All reports on file with the NWIC at Sonoma State University.

Previous studies that focused on the investigation of historic period resources examined sites on or adjacent to winery property and related agricultural land, a commercial district, and railroad-related resources. The Beringer Winery Historic District (P-28-001440) was reported on by Salisbury and McFarland in 2106 (S-051465). An extensive study prepared by Clementino in 2014 (S-045339 a-f) included a historic property survey report and evaluation for the Lincoln Avenue Commercial District in Calistoga (P-28-001705); the district encompasses 30 buildings and includes the AT&T building (P-28-001541), which has a prehistoric component. The commercial district and the AT&T building have been evaluated as not eligible for listing the NRHP; the prehistoric component of P-28-001541 has not been evaluated. In a 1986 study (S-016849), King evaluated the Napa Valley Railroad District (P-28-001547), which included a small portion of the remnants of the former Napa Valley Railroad Line, and found the district not eligible for listing in the NRHP.

Three survey reports were executed in response to road improvements on SR 29, [redacted] Two of the studies included sites within or adjacent to the Vine Trail APE: P-28-000454 (CA-NAP-571/H), a sparse prehistoric lithic scatter with historic period debris; P-28-000240 (CA-NAP-328/H), a significant midden, debitage, and tool scatter on the site of the [redacted] with historic period stone walls; P-28-000503 (CA-NAP-625/H), a midden concentration with a historic period debris scatter; and P-28-000952 (CA-NAP-832/H), a sparse but extensive prehistoric lithic scatter and one-story historic period house. The first report was conducted in 1993 by Pape (S-016748), the second study was conducted in 2000 by Ferneau et al. (S-033802), and the third was conducted in 2000 by Dowdall (S-29580). In a report titled "Archaeological Test Excavations for the Proposed Roadway Rehabilitation of Route 29, [redacted]" Ferneau (2000) addressed the NRHP eligibility of several resources located within the APE (*see* Section 2.1).

In 2013, Hallock and Andolina conducted a study for a PG&E reconductoring project (S-044294) and examined six sites, including P-28-000951 (CA-NAP-831) and P-28-001440, the Beringer Winery Historic District. Study S-049385 resulted in the relocation of three multicomponent sites,

including P-28-000240 (CA-NAP-328/H), P-28-000454 (CA-NAP-571/H), and P-28-000503 (CA-NAP-625/H). A study by Barrow in 2017 (S-049482) included the prehistoric component of site P-28-000952 (CA-NAP-832/H). Chavez et al. (2013) reported on P-28-000952 (CA-NAP-832/H), a multicomponent site, and determined the historic structure to be unimportant (S-044336).

As mentioned above, 74 prior studies were conducted outside of the APE but within a surrounding 0.25-mile radius. These reports were prepared for a variety of projects associated with agricultural land development, roadway improvements, housing and resort development, pipelines, and flood control. Each of these reports is listed in Table 2-4.

2.2 CONSULTATION AND PUBLIC PARTICIPATION

Consultation and public participation, including Native American correspondence, is documented in Exhibit 3 of this ASR. This includes AB 52 consultation logs and meeting notes from NVTA that were delivered to Pacific Legacy for inclusion in this ASR. Pacific Legacy's correspondence with the Native American community is also documented in Exhibit 3.

2.2.1 Native American Consultation

The NVTA and Pacific Legacy began Native American consultation for the Project in November of 2019, and these coordination efforts have continued through January 2020. On November 4, 2019, Pacific Legacy sent a letter to the NAHC to request a search of the Sacred Lands File for the Project APE. The NAHC replied on November 14, 2019, noting that their search of the Sacred Lands File was positive. The NAHC recommended contacting the Mishewal-Wappo Tribe of Alexander Valley for further information about Native American resources within or near the APE. The NAHC also provided a list of three other Native American tribes with potential interests, concerns, and/or knowledge of cultural resources or Traditional Cultural Properties that may be affected by the Project. This information was transmitted to NVTA, which contacted the tribes listed by the NAHC as well as the Federated Indians of Graton Rancheria.

The NVTA sent letters to tribal representatives on the NAHC contact list and to the Federated Indians of Graton Rancheria on November 20, 2019. The letters informed them about the Project and provided them with location maps as well as a description of proposed construction activities. Comments, questions, and concerns about the Project were requested consistent with Section 106 of the NHPA (36 CRF 800 [c][2]) and AB 52. The individuals contacted were as follows:

- Mr. Charlie Wright, Kletsel Dehe Band of Wintun Indians;
- Mr. Jose Simon III, Middletown Rancheria;
- Mr. Scott Gabaldon, Mishewal-Wappo Tribe of Alexander Valley;
- Mr. Anthony Roberts, Yocha Dehe Wintun Nation; and,
- Ms. Buffy McQuillen, Tribal Historic Preservation Officer, Federated Indians of Graton Rancheria.

Responses were received from Middletown Rancheria and the Yocha Dehe Wintun Nation. In a letter dated December 9, 2019, the Middletown Rancheria Tribal Historic Preservation Department indicated the Project and surrounding area is a site of cultural, historical, and religious significance to the tribe. They requested documentation regarding archaeological studies and other associated documents in order to review them. They also provided mitigation measures applicable to the

Project and requested further consultation with NVTA (THPD File Number 19-11-007). On January 6, 2020, the NVTA received a response from the Cultural Resources Office of the Yocha Dehe Wintun Nation. They stated that the Project is not within the aboriginal territory of the Yocha Dehe Wintun Nation and declined to comment on the Project. They also identified Scott Gabaldon of the Mishewal Wappo Tribe of Alexander Valley as a contact. Communication between the NVTA and interested tribes remains ongoing.

On Wednesday, February 26, 2020, Rebecca Schenck of Napa Valley Transit Authority (NVTA) and John Holson of Pacific Legacy, Inc. met with Sally Peterson and Ryan Peterson of Middletown Rancheria in Calistoga to discuss the St. Helena to Calistoga section of the Napa Valley Vine Trail Project. Marcy Kamerath of Kimley-Horn participated via phone. An archaeological survey report was provided to Middletown Rancheria on February 24, 2020 prior to the meeting for their review and John Holson provided a copy of relevant cultural resource records at the meeting. Mr. Ryan of Middletown indicated they would provide comments on the ASR. Comments were requested from Middletown by March 13, 2020. Middletown Rancheria presented their site mapping and requested incorporation of five mitigation measures into the project environmental document. These were noted by NVTA and Pacific Legacy and were similar to those contained in the December 9, 2019 correspondence from Middletown Rancheria to NVTA. Mr. Holson presented the results of the Caltrans review of the ASR and indicated most likely Extended Phase I (XPI) and/or Phase II Evaluation studies would be required at several of the sites within the project area in order to address requirements for National Environmental Policy Act (NEPA) and Section 106 of the NHPA, for which Caltrans is the lead agency. Middletown Rancheria requested that a tribal monitor be present during archaeological survey and excavation for the project as well as during construction activities. Middletown Rancheria also requested ongoing consultation throughout pre-construction and construction phases of the project. Middletown indicated that they would review the ASR and identify areas of concern not noted in the draft report, however the Tribe's areas of concern is confidential and has requested Pacific Legacy not include this in the ASR. Pacific Legacy notified Middletown Rancheria they had received the permit to conduct studies for BNVSP on March 4, 2020. Middletown was invited to participate in the survey but was unable to attend due to previous commitments. Meeting notes summarizing the February 26 meeting were distributed to Middletown Rancheria on March 11, 2020. Middletown Rancheria responded on April 9, 2020 to BNVSP's request for comments on this section. Their comment was incorporated into this section regarding an area of concern.

2.2.2 State Parks Consultation

As a portion of the proposed trails lies within BNVSP, consultation with staff from the California Department of Parks and Recreation was initiated prior to entering the park for survey. Pacific Legacy consulted via phone calls and email with Kate Erickson Green, Associate State Archaeologist with the Bay Area District, California State Parks and Recreation in Petaluma beginning late February 2020. On February 24, 2020 Pacific Legacy submitted the required Permit to Conduct Archaeological Investigations/Collections which was required for the investigation. The permit was received on March 4, 2020 and issued the tracking number 20-3. The survey at BNVSP was completed on March 10, 2020 by Pacific Legacy staff who were accompanied by Ms. Green. Ms. Green also commented on the 2nd Draft Report and her comments were incorporated into this Final Report.

3.0 BACKGROUND

This chapter provides background information and a historical context for the cultural resources identified during the inventory of the Project area. The following overview discusses the environment, ethnography, prehistory, and history of the Project region and includes references that provide further information.

3.1 REGIONAL PHYSIOGRAPHY AND GEOLOGY

Napa County lies within the southern North Coast Ranges. The North Coast Ranges are bordered by the Klamath Mountains to the north, the Pacific Ocean to the west, the Central Valley to the east, and the San Francisco Bay to the south. They are characterized by relatively low mountains with higher peaks reaching elevations in excess of 8,200 feet above mean sea level (amsl). Ridges and valleys within the North Coast Ranges are commonly oriented northwest to southeast as a result of interaction between the North American and Pacific tectonic plates (California Geological Survey 2002). This orientation is subparallel to the San Andreas Fault, which forms a transform boundary between the two plates west of Napa County. Within Napa County, elevations range from near sea level to approximately 3,940 feet amsl.

The dominant drainage within the county is the Napa River, which flows from near Calistoga to its delta at San Pablo Bay, serving as an outlet for the western portion of the county. Mayacama Mountain rises to the west side of the Napa Valley, while Howell Mountain forms the eastern border. The valley narrows gradually from approximately 5 mi. in width near San Pablo Bay to approximately 1 mi. in width near Calistoga, abruptly terminating at the base of the mountains to the north of Calistoga.

Numerous tributary drainages such as Sulphur Creek and York Creek cross the valley floor before reaching their confluence with the Napa River. Coalescing alluvial fans from the mouths of those stream canyons extend onto the valley floor, where they have encroached on the Napa River and influenced its course through the valley. Deep layers of alluvium have been deposited by the river and its tributaries and have accumulated within the valley basin (Knudsen et al. 2000). Soils formed within the Napa Valley tend to be deep and agriculturally productive.

The North Coast Ranges are composed mostly of bedrock units that span the upper Jurassic to Tertiary periods. The North Coast Ranges formed between 60 and 100 million years ago when tectonic movement folded sections of seafloor against the continental plate, displacing and deforming existing rocks and ultimately uplifting them to expose the tortured Franciscan Complex. These movements also provided fissures for the ascent of magmas that added new ridges and mountain chains (McLaughlin 1981). The Pliocene–age Sonoma volcanics are a more recent manifestation of this process and comprise much of the uplands around northern Napa Valley, though the county has a variety of geologic formations of igneous, sedimentary, and metamorphic origin (Wagner and Bortugno 1982). Differences in the age and resistance to weathering of these formations greatly affect the physical characteristics of the landscape and the surrounding soils. In addition to recent volcanic rocks, the landscape is also generally dominated by sandstones and shales. The former generally form ridges, while the latter generally dominate valley floors (Fredrickson 1973:136; Lambert and Kashiwagi 1978:94-95).

3.2 FLORA AND FAUNA

Currently, the Project area is dominated by agricultural and developed lands. Prior to the historic period, however, a diverse mosaic of vegetation communities existed along the Project reach. These communities, largely the product of Napa Valley topography and hydrology, supported a wide variety of fish, mollusks, waterfowl, turtles, and small to large mammals. Oak Woodland, Northern Mixed Chaparral, Coast Range Mixed Coniferous Forest, and Riparian Forest all thrived within a few miles of the Project area.

Oak Woodland communities were a ready source of acorns, which were an important part of the Native American subsistence regime. Lightfoot et al. (2009) have argued that acorns, more than any other resource, were critical in encouraging food storage and increased sedentism during the prehistoric and protohistoric periods. In addition to acorns, Oak Woodlands also provided habitat for faunal species that were critical to the prehistoric diet. Those species included mule deer (*Odocoileus hemionus*), Roosevelt elk (*Cervus canadensis*), ground squirrel (*Citellus* sp.), cottontail rabbit (*Sylvilagus* sp.), and jack rabbit (*Lepus* sp.).

Oak Woodlands often replaced cleared areas of chaparral. Clearing and other modern activities have most likely removed much of the chaparral communities from the North Coast Ranges (Fredrickson 1973:141), though Northern Mixed Chaparral communities continue to exist within the vicinity of the Project reach. Dominated by such plants as chamise (*Adenostoma fasciculatum*), scrub oak (*Quercus dumosa*), manzanita (*Arctostaphylos* sp.), and buckbrush (*Ceanothus cuneatus*), Chaparral communities provided habitat for mule deer (O*docoileus hemionus*), Roosevelt elk (*Cervus canadensis*), and small mammals such as striped skunk (*Mephitis mephitis*) and badger (*Taxidea taxus*). Many bird species, including California quail (*Lophortyx californicus*) and mourning dove (*Lenaidura macroura*) also found refuge in chaparral.

Coast Range Mixed Coniferous Forest communities dominated the mountainous slopes bordering the valley. Composed of Douglas fir (*Pseudotsuga menziesii*), California buckeye (*Aesculus californica*), big leaf maple (*Acer macrophyllum*), madrone (*Arbutus menziesii*), manzanita (*Arctostaphylos* sp.), and Christmas berry (toyon) (*Heteromeles arbutifolia*), this community provided habitat for many large mammals such as grizzly bear (*Ursus californicus*), black bear (*Euarctos americanus*), mountain lion (*Felis concolor*), mule deer (*Odocoileus hemionus*), and Roosevelt elk (*Cervus canadensis*). Many species of birds such as the golden eagle (*Aquila chrysaetos*) and red-tailed hawk (*Buteo jamaicensis*) as well as small mammals thrived in these forests.

Riparian Forests flourished along drainages and were dominated by black walnut (*Juglans californica*), white alder (*Alnus rhombifolia*), Oregon ash (*Fraxinus latifolia*), and red willow (*Salix laevigata*). Although not riparian obligates, California buckeye (*Aesculus californica*), elderberry (*Sambucus mexicana*), and valley oak (*Quercus lobata*) could also be found along river banks. At the edge of the water, sedges (*Carex* sp.), bulrush (*Scirpus fluviatilis*), and cattail (*Typha latifolia*) contributed to the habitat for several fish species important to the Native American diet, including salmon and steelhead trout (*Oncorhynchus* sp.).

3.3 ARCHAEOLOGICAL CONTEXT

Although the Napa Valley lies within the North Coast Ranges, it represents a cultural nexus between the North Coast Ranges, the San Francisco Bay region, and the Central Valley. Information gained

through prior archaeological studies of these regions is therefore critical to understanding prehistoric cultural development as well as the development of regional and local cultural chronologies. To better situate the survey area within a broader context, this section examines some of those prior studies.

3.3.1 Previous Archaeology

Despite a general lack of funding for archaeological research within California during the early 20th century, a few important studies were undertaken in the San Francisco Bay region between 1915 and 1948. Gifford (1916), for instance, conducted a comparative analysis of the composition of California shellmounds; Loud (1924) excavated at the Stege Mound in Richmond; and Schenck (1926) revisited the Emeryville Shellmound. In the 1940s, research efforts intensified under Heizer and his students from the University of California at Berkeley. They initiated full-scale archaeological fieldwork throughout Central California and produced several notable publications (Baumhoff 1957; Beardsley 1948; Davis 1960; Davis and Treganza 1959; Treganza et al. 1950), including *The Archaeology of the Napa Region* (Heizer 1953), which was the first comprehensive archaeological publication concerning Napa County. Heizer's work formed the basis of later cultural chronologies for the region developed by Bennyhoff (1994 [1977]) and Fredrickson (1973).

With the passage of the NHPA in 1966, the National Environmental Policy Act in 1969, and CEQA in 1970, the number of archaeological investigations increased. Since 1967, over 1,000 cultural resources studies have been reported within Napa County. Many of these investigations consisted of small archaeological inventory surveys aimed at identifying newly discovered cultural resources in various locales throughout the county. Cumulatively, the results of these surveys have provided a better understanding of prehistoric settlement patterns within the region, while programs of test excavation and evaluation have helped to refine regional cultural chronologies. Several studies have been completed within the last two decades that are particularly pertinent to the current study, including those by Bennyhoff (1994 [1968], 1994 [1977], and 1994 [1982]), Beard and Origer (1995), Carpenter and Mikkelesen (2005), Dietz and Holson (1983), Gilreath and Wohlgemuth (2004), Schneider et al. (2013), Origer (1994), Martin and Meyer (2005), White (2002), and Wohlgemuth et al. (2006).

3.3.2 Cultural and Temporal Sequences

Based largely upon the work of Heizer (1953) and his students as well as other cultural resource investigations in the Bay Area, Fredrickson (1973, 1974) and Fredrickson and Bennyhoff (1968 in Hughes 1994) developed a cultural sequence for the North Coast Ranges that separated both cultural and temporal dimensions of change. The sequence of temporal change was divided into a series of "periods," while the corresponding sequence of cultural change was divided into a series of "aspects" and "patterns." Archaeological patterns represent basic adaptations generally shared by a number of separate cultures over an appreciable period of time within a given geographic locale. Patterns are characterized by similar technological skills and devices (specific cultural items), similar economic modes (production, distribution, consumption), particularly trade and wealth practices, and similarities in mortuary and ceremonial practice (Bennyhoff and Fredrickson 1967 [in Hughes 1994:21]). Aspects are geographically specific variants of a larger pattern.

Fredrickson (1973, 1974) proposed a cultural and temporal framework that integrated artifact and chronological data from the North Coast Ranges, the San Francisco Bay, and the Sacramento Valley. Distinguished largely by different artifact types, the model consisted of six periods based on a general evolutionary sequence that included the PaleoIndian (10,000-6,000 BC/11,950-7,950 BP),

Lower Archaic (6,000-3,000 BC/7,950-4,950 BP), Middle Archaic (3,000-500 BC/4,950-2,450 BP), Upper Archaic (500 BC-AD 900/2,450-1,050 BP), and Emergent periods (AD 900-1800/1,050-150 BP). Fredrickson's model, with revisions (White and Fredrickson 1992; White et al. 2002), is still accepted by many archaeologists and forms the basis for ongoing revisions in North Coast Ranges archaeology (Table 3-1). Each period is characterized by a generally prevailing economic, cultural, and environmental condition that is reflected in different regional patterns of material culture. As in other parts of Central California, there is a lack of agreement among researchers regarding the use of a particular cultural sequence for the North Coast Ranges, but most researchers accept a scheme consisting of three cultural and temporal units (i.e., horizons, patterns, or periods) for the region.

PALEOINDIAN PERIOD (10,000-6,000 BC / 11,950-7,950 BP)

Within the North Coast Ranges, the first demonstrated entry of humans was during the PaleoIndian Period. Evidence from the Clear Lake area has indicated that obsidian may have been quarried there nearly 16,000 years ago (White 2002:448-449). The Borax Lake site (CA-LAK-36), which produced 15 fluted points characteristic of the Western Clovis Tradition, is the only site that has been identified as dating to this period (Harrington 1948; Meighan and Haynes 1968, 1970; Wallace 1978). The PaleoIndian Period remains little understood, but Fredrickson (1994:100) hypothesized that the period was characterized by lacustrine sites with a probable hunting emphasis and no evidence of milling technology. Trade and exchange were probably on an individual basis. The primary social unit was probably the extended family, with resources likely acquired through mobility rather than trade.

The PaleoIndian Period in the North Coast Ranges is associated with the Post Pattern, which was named after Chester C. Post, the amateur collector who brought the Borax Lake site to the attention of archaeologists. There is no known local variant of this pattern. The Post Pattern is characterized by Borax Lake fluted projectile points, flaked crescent points, and single-shoulder hafted implements (Fredrickson 1973:191; Meighan and Haynes 1970:Figure 5). Due to the paucity of sites and artifacts associated with the Post Pattern, little can be inferred about the culture. From the lithic assemblage, however, it is likely that the dart and atlatl were used for hunting game, while crescent points may have been used as transverse projectile points for hunting birds.

LOWER ARCHAIC PERIOD (6,000-3,000 BC / 7,950-4,950 BP)

The PaleoIndian Period was followed by the Lower Archaic Period. During the Lower Archaic Period, the ancient lakes, which had provided a subsistence base during the PaleoIndian Period, began to dry up as a result of climate change. An increased emphasis on plant foods during this period, which has been termed the "Milling Stone Horizon" in Southern California, has been inferred based on the widespread appearance of milling slabs. The appearance of milling

technology may also indicate that there was less emphasis on hunting, as individuals became more familiar with local plant resources. Most artifacts during this period were manufactured of local materials, and trade was limited. The primary social unit remained the extended family (Fredrickson 1994:100).

The Lower Archaic Period in the North Coast Ranges is associated with the Borax Lake Pattern. This pattern was initially defined at the Borax Lake site (CA-LAK-36), and the local variant of the pattern in the Clear Lake Basin is known as the Borax Lake Aspect of the Borax Lake Pattern. Fredrickson (1973:207-208) also identified Borax Lake Pattern components at the Hultman site (CA-NAP-131) in Napa County. Recent revisions in the cultural chronology of the region, however,

Table 3-1. Cultural and Temporal Chronology for the Bay Area and the North Coast Ranges.

CAL BP	Scheme B1 (Bennyhoff and Hughes 1987) / D1 (Groza 2002); *Scheme D1 Bead Types*	Temporal Periods (Fredrickson 1973, 1974)	Temporal Periods (Milliken *et al.* 2007)	San Francisco Bay Cultural Pattern	North Coast Cultural Pattern	Napa Valley Cultural Pattern
180-115 BP	MISSION PERIOD (AD 1770-1835); *H1, H2, H3, J1*	UPPER EMERGENT (AD 1500 – 1800)	TERMINAL LATE PERIOD (AD 1550 – 1800)	AUGUSTINE PATTERN Emeryville Aspect	AUGUSTINE PATTERN Clear Lake Aspect	AUGUSTINE PATTERN St. Helena Aspect
440-180 BP	LATE PERIOD 2 (AD 1510-1770); *E1a, E2a, E2a2, E3a, E3b, J2*					
560-440 BP	LATE PERIOD 1C (AD 1390-1510); *K1, M1a, M2a*	LOWER EMERGENT, OR LATE HORIZON (AD 900-1500)	INITIAL LATE PERIOD (AD 1050-1550)			
685-560 BP	LATE PERIOD 1B (AD 1265-1390); *M1a, M2a, K1*					
740-685 BP	LATE PERIOD 1A (AD 1210-1265); *M1a*					
940-740 BP	MIDDLE/LATE PERIOD TRANSITION (AD 1010-1210); *C2, C3, C7, D1a, D2, F3a, G1,M1a*		MIDDLE/LATE PERIOD TRANSITION (AD 1000-1050)			
1,215-940 BP	LATE MIDDLE PERIOD/PHASE 4 (AD 735-1010); *F3a, F3a2, F4c, F4d, G5*	UPPER ARCHAIC, OR MIDDLE HORIZON (500 BC-AD 900)	UPPER MIDDLE PERIOD (AD 430-1050)	UPPER BERKELEY PATTERN Ellis Landing Aspect	BERKELEY PATTERN Houx Aspect	BERKELEY PATTERN Houx Aspect
1,375-1,215 BP	TERMINAL MIDDLE PERIOD/PHASE 3 (AD 575-735); *F3a, F3b*			LOWER BERKELEY PATTERN Stege Aspect		
1,505-1,375 BP	MIDDLE PERIOD PHASE 2B (AD 445-575); *F3a, F3a2, F4c, G2a*					
1,530-1,505 BP	INTERMEDIATE MIDDLE PERIOD/PHASE 2A (AD 420-445); *F2a, F2b*					
2,160-1,530 BP	EARLY MIDDLE PERIOD/PHASE 1 (210 BC-AD 420); *C2, C3, G2a, G2b, G3, G5*		LOWER MIDDLE PERIOD (200 BC – AD 430)			
2,450-2,160 BP	EARLY/MIDDLE PERIOD TRANSITION (500-210 BC); *C1 (expected)*		EARLY/MIDDLE PERIOD TRANSITION (500-200 BC)		MENDOCINO PATTERN Mendocino Aspect	MENDOCINO PATTERN Hultman Aspect
4,150-3,150 BP	EARLY PERIOD (2,200-500 BC); *L1, L2*	MIDDLE ARCHAIC, OR EARLY HORIZON (3,000-500 BC)	EARLY PERIOD (3,500-500 BC)			
5,350-4,150 BP	EARLY PERIOD (>3,400-2,200 BC); *L1 N*	LOWER ARCHAIC (6,000-3,000 BC)	EARLY HOLOCENE (8,000-3,500 BC)		BORAX LAKE PATTERN BORAX LAKE ASPECT	BORAX LAKE PATTERN
7,950-5,350 BP						
11,950-7950 BP		PaleoIndian (10,000 – 6,000 BC)			POST PATTERN	

identified this component as belonging to the Hultman Aspect of the Mendocino Pattern (White and Fredrickson 1992:45). The relationship between the Borax Lake Pattern and the Mendocino

Pattern is not fully understood. True, Baumhoff, and Hellen (1979:124) stressed that evidence of early milling technology in the North Bay is difficult to find and often overlooked by archaeologists drawn to later, "more spectacular cultures."

Due to the low occurrence of sites associated with the Borax Lake Pattern, it remains difficult to characterize this culture. Milling slabs and handstones were prevalent, as were square-stemmed projectile points, large bladelet flakes, and unifacial flaked stone tools (White 2005). Mendocino Pattern occupations were typically characterized by milling equipment and notched, concave-based, and leaf-shaped projectile points. White (2009) noted that Borax Lake Pattern sites also have been documented in adjacent Colusa County at two excavated sites (CA-COL-76 and CA-COL-160) that yielded evidence of early human occupation in the foothills of the North Coast Ranges.

MIDDLE ARCHAIC PERIOD (3,000-500 BC / 4,950-2,450 BP)

Although the PaleoIndian and the Lower Archaic periods remain poorly understood, the Middle Archaic Period is represented by better chronologically controlled assemblages that allow for more nuanced interpretations of prehistoric Native Californian lifeways. This period was characterized by the introduction of the mortar and pestle, which has been used to infer the development of an acorn-based economy. Increased sedentism developed during this period, accompanied by population growth and expansion. In the periodization used by some archaeologists (Bennyhoff and Hughes 1987; Cartier et al. 1993; Elsasser 1985; Milliken and Bennyhoff 1993), the Middle Archaic Period is termed the "Early Period" or "Early Horizon."

Population growth and expansion during the Middle Archaic Period was accompanied by increasing cultural complexity and interaction. In the North Coast Ranges, two distinct cultural patterns emerged: the Berkeley Pattern and the Mendocino Pattern. In the Project vicinity, the Middle Archaic was associated with both the Houx Aspect of the Berkeley Pattern and the Hultman Aspect of the Mendocino Pattern. The relationship between these cultural patterns is not fully understood, however White (2002) and White and Fredrickson (1992:85) have argued that the Houx Aspect of the Berkeley Pattern was an indigenous development in the Clear Lake Basin, whereas the Mendocino Pattern was intrusive to the region. Mendocino Pattern sites were widespread in the eastern foothills of the North Coast Ranges, including sites in neighboring Colusa County (e.g., Bouey in Slaymaker 1983; White 2009).

The Berkeley Pattern is best exemplified at the Goddard Site (CA-NAP-1) near Oakville in the Napa Valley and by the Kolb Site (CA-NAP-32) near Rutherford (Heizer 1953). The type site for the Houx Aspect of the Berkeley Pattern is the Houx Site (CA-LAK-261) in the Excelsior Valley of Lake County. The Berkeley Pattern is distinguished by a predominance of mortars and pestles, ulna awls and flakers, shouldered bifaces and bipoints, and Excelsior and leaf-shaped points. A dependence on acorns was established during this period that continued into the post-contact period. It is generally agreed that the Berkeley Pattern signals an expansion of Miwokan speakers into the North Bay at approximately 500 BC/2,450 BP.

The site type for the Hultman Aspect of the Mendocino Pattern is the Hultman Site (CA-NAP-131), located near the Napa Glass Mountain obsidian source. This cultural pattern is distinct from the Berkeley Pattern throughout the North Coast Ranges and the Bay Area (Wickstrom 1986). The Mendocino Pattern is distinguished by leaf-shaped, concave-base, and large notched projectile points, millingslabs and mullers, and a lack of beads. The Hultman Aspect represents a southerly variation of the Mendocino Pattern and is distinguished from the Mendocino Aspect by a

predominance of leaf-shaped (rather than large notched) projectile points and the prevalence of obsidian rather than chert artifacts.

Upper Archaic Period (500 BC-AD 900 / 2,450-1,050 BP)

The general trend toward increasing population growth and the expansion of settlement continued into the Upper Archaic Period (500 BC-AD 900/2,450-1,050 BP), which also has been termed the "Middle Period" or the "Middle Horizon" (Bennyhoff and Hughes 1987; Cartier et al. 1993; Elsasser 1985; Milliken and Bennyhoff 1993). Fredrickson suggested that the Upper Archaic Period "seems to have been marked by ever increasing socio-political complexity, a growth of status distinctions based on wealth, the emergence of group-oriented religious activities, and greater complexity of the exchange systems" (1974:48), though territorial boundaries do not seem to have been firmly established.

Considerable cultural diversity developed within the Berkeley Pattern during the Upper Archaic, identified in the central Sacramento Valley, central North Coast Ranges, Napa County, Solano County, and Sacramento Delta regions (Bennyhoff 1994 [1968], 1994 [1977], and 1994 [1982]; Rosenthal 1996; White 2002, 2003). The Houx Aspect of the Berkeley Pattern and the Hultman Aspect of the Mendocino Pattern continued into the Upper Archaic Period. The southern portion of the North Coast Ranges is also associated with these cultural patterns. This demonstrates a cultural affinity established from the San Francisco Bay into the North Coast Ranges. The cultural patterns show significant continuity from the Middle Archaic to the Upper Archaic Periods. For the Houx Aspect of the Berkeley Pattern, mortars and pestles continued to dominate the groundstone assemblage. Stone tools consisted predominately of shouldered bifaces and bipoints, as well as Excelsior and leaf-shaped points. A highly developed bone tool industry, atlatl engaging hooks, and dart-sized, non-stemmed points have been frequently recorded at Berkeley Pattern sites (Beardsley 1954:74; Fredrickson 1974:125a, 126; Lillard et al. 1939:77) along with fire-cracked rock heaps, shallow hearths, rock-lined ovens, house floors, cairns, and graves. Fredrickson (1973:200) has suggested a hunting emphasis during this period due to the prevalence of projectile points found at CA-LAK-261. Berkeley Pattern sites also yielded increased numbers of *Olivella* beads, *Haliotis rufescens* (red abalone) ornaments, and incised bone artifacts.

Emergent Period (AD 900-1800 / 1,050-150 BP)

During the Emergent Period, prehistoric cultures in California "reached levels of sociocultural complexity usually considered correlates of agricultural societies" (Fredrickson 1973:38). This period has also been referred to as the "Late Period" or "Late Horizon" (Bennyhoff and Hughes 1987; Cartier et al. 1993; Elsasser 1985; Milliken and Bennyhoff 1993). The Emergent Period is generally divided into a Lower Emergent Period (AD 900-1500/1,050-450 BP) and an Upper Emergent Period (AD 1500-1800/450-150 BP). During the Lower Emergent Period, bow and arrow technology was introduced and rapidly replaced the dart and atlatl. Territorial boundaries became well established, and regularized trade and exchange networks flourished. The Upper Emergent Period witnessed the continued growth and elaboration of the exchange system as well as the increased development of specialization.

The cultural manifestation of the Emergent Period was the Augustine Pattern, which was stimulated by Patwin speakers newly arrived in the lower Sacramento Valley (Milliken et al. 2007:118). While the Augustine Pattern was prevalent throughout the entire San Francisco Bay and North Coast Ranges, the particular variant of the pattern in the Project vicinity was the St. Helena Aspect, which is best exemplified at CA-NAP-129. The St. Helena Aspect is distinguished by the use of small,

serrated projectile points with either parallel or corner-notched stems. Corner-notched points without serrations became more common toward the post-contact period, with some examples of corner-notched points manufactured from discarded bottle glass introduced by Europeans. Well-shaped mortars and pestles were prevalent, while larger shouldered bifaces, bipoints, and leaf-shaped points were absent. Bone awls were common and probably indicated increased production of basketry. Associated with basketry, hopper mortars became more prevalent. Tubular tobacco pipes were quite common, and there was also an increase in beads and ornaments made from shell, stone, and bone. This coincided with an increase in trade items from greater distances. Several sites containing Augustine components have been investigated in the eastern North Coast Range foothills of Lake, Colusa, and Yolo counties, including CA-YOL-33, which may also contain Archaic deposits (Pacific Legacy 2011).

The culture exemplified by the St. Helena Aspect of the Augustine Pattern was quite similar to that of the Wappo, who inhabited the area during the historic period, and much may be inferred about the Augustine Pattern from available ethnographic and ethnohistoric evidence. Acorns were the staple food, with mortars and pestles serving as the dominant grinding technology. Hunting with bow and arrow and harpoon fishing were significant activities. Roundhouses were made from variable materials and were the dominant dwelling, while ceremonial dance houses and sweat houses were semi-subterranean. Tule balsa rafts or boats were used, inferred archaeologically by the absence of woodworking tools needed to make dugout canoes. Shamanistic religion was male-dominated and featured the use of charmstones. An exchange network that featured the use of distinctive beads and ornaments made of magnesite, steatite, and various shell species, notably clam, *Olivella*, and *Haliotis*, was in place along with a basketry complex that featured both coiling and twining. Finally, a host of material cultural items or features were in use, such as the cocoon rattle, flicker quill headband, men's hair net, acorn granary, tubular stone or wooden smoking pipe, and foot drum. These traits have been found among nearly all Central California groups (Bennyhoff 1982 [in Hughes 1994:66-67]).

3.4 ETHNOGRAPHY

Prior to the Euro-American occupation of California, the Project area was the territory of the Wappo. "Wappo" is a name derived from the Spanish term *guapo*, which means "brave" or "good looking." This name was most likely given to the Wappo during the Mission Period, since the group was well known for their strong resistance to Spanish and Mexican expeditions of conquest and colonization within their territory (Driver 1936:183; Kroeber 1925:217). The Wappo called themselves *ona-cáttis* ("the people who speak plainly and truthfully, the outspoken ones") (Sawyer 1978:263), and those who lived along the Russian River in Alexander Valley called themselves *Mishewal*, which is the name still used by the present-day Mishewal-Wappo Tribe of Alexander Valley.

The ethnographic Wappo encompassed five linguistic subdivisions—the Southern Wappo, Central Wappo, Northern Wappo, Western (or Russian River) Wappo, and Clear Lake Wappo—that were all a part of the Yukian language family that included Wappo and Northern Yukian (Yuki, Coast Yuki, and Huchnom) languages (Golla 2007:810). Each Wappo linguistic subdivision or dialect was associated with specific Wappo territories, which collectively extended from just north of the present-day City of Napa, up the Napa Valley and its foothills, to just north of a line curving east to west from Middletown to Geyserville, California (Figure 3-1). The Clear Lake Wappo, or *Lile'ek* as they were called by the Pomo, inhabited the south shore of Clear Lake in the vicinity of Soda Bay

and Mt. Konocti during the post-contact period. This enclave was thought to be the manifestation of annual summer trips to Clear Lake by Wappo who were "allowed" to permanently settle there by the *Habenapo* ("rock people") Pomo (Kroeber 1925:219).

In addition to linguistic subdivisions, the Wappo were further subdivided into a mosaic of hunter-gatherer tribelets. A tribelet represented the largest autonomous or self-governing political unit among California hunter-gatherers. It consisted of a single permanent village that served as a sociopolitical center composed of several coalesced lineages (Kroeber 1955:308) that was surrounded by a network of smaller satellite villages. Kroeber (1955:307) noted that tribelets also "maintained [their] frontiers against unauthorized trespass." Four known Wappo tribelets included the *Caymus*, *Chemoco*, *Huiluc,* and *Canijolmano* (Milliken 1995). The *Caymus* inhabited the Yountville vicinity (Milliken 1995:238). The *Chemoco* were described as a mixed tribelet of Wappo and Patwin speakers inhabiting Wooden Valley northeast of the City of Napa (Milliken 1995:239); the *Huiluc* lived in the upper valley of Sonoma Creek (north of the town of Sonoma) (Milliken 1995:244); and the *Canijolmano* Wappo inhabited the St. Helena vicinity (Milliken 1995:237-238).

Two ethnographic village sites were recorded in the Project vicinity. *Annakō'tanōma*, or bull-snake village was located in present day St. Helena. *Maiya'kma* was located a mile south of Calistoga and is the source of the name of the Mayacmas Mountains. (Barrett 1908). Milliken (in Jackson 1978:2.18) noted the fluid nature of these villages, however, when he stated that "it must be remembered that the political nature of the tribelets was in a dynamic state [at the time of colonization]. Some small groups may have been undergoing a change in allegiance from one central village to another, or a tribelet may have disintegrated leaving a number of small independent autonomous villages." Given Milliken's argument, ethnographic period archaeological sites in the vicinity may have been affiliated with *Annakō'tanōma or Maiya'kma,* or may have represented satellite locales that occupied this central portion of Southern Wappo territory (Bennyhoff 1994 [1977]:49).

Until 1810, tribelets of the North Bay area had been less impacted by Spanish missionization efforts than groups to the south (Milliken 1995:10). Spanish interests in occupying the North Bay were not fully realized until 1809, following the appearance of Native Alaskan sea otter hunters (attached to Russian hunting parties) in San Francisco Bay waters, and the establishment of the Russian colony of Fort Ross in 1812. Russian settlement in California sparked interest in populating areas north of San Francisco and, subsequently, two additional missions were created: Mission San Rafael in 1817, and Mission San Francisco de Solano in Sonoma in 1823 (two years after Mexico declared its independence from Spain and 10 years before Mexico passed a secularization law). Spanish expeditions north of San Francisco Bay led by Gabriel Moraga (1810 and 1812-1814); Luis Argüello and Father Blas Ordaz (1821); and Father José Altimira and Alferez José Sánchez (1823), also put the Wappo in contact with colonists and colonial materials. For example, Native Americans encountered during the Altimira-Sánchez expedition were "given presents and food" (Greengo and Shutler 1953:229).

3.4.1 Territory and Language

As recorded by early ethnographers (Barrett 1908; Driver 1936; Kroeber 1925), the territory of the Wappo was unusual in that it was discontinuous and included portions of several drainages. The primary area of settlement was approximately 50 mi. in length from the northwest to the southeast, and 20 mi. in width from the west to the east. The territory stretched from near present-day Asti and Geyserville on the Russian River in the northwest, to the delta of the Napa River at San Pablo Bay in the southeast. This area incorporated the entire Napa Valley, portions of Alexander Valley, portions

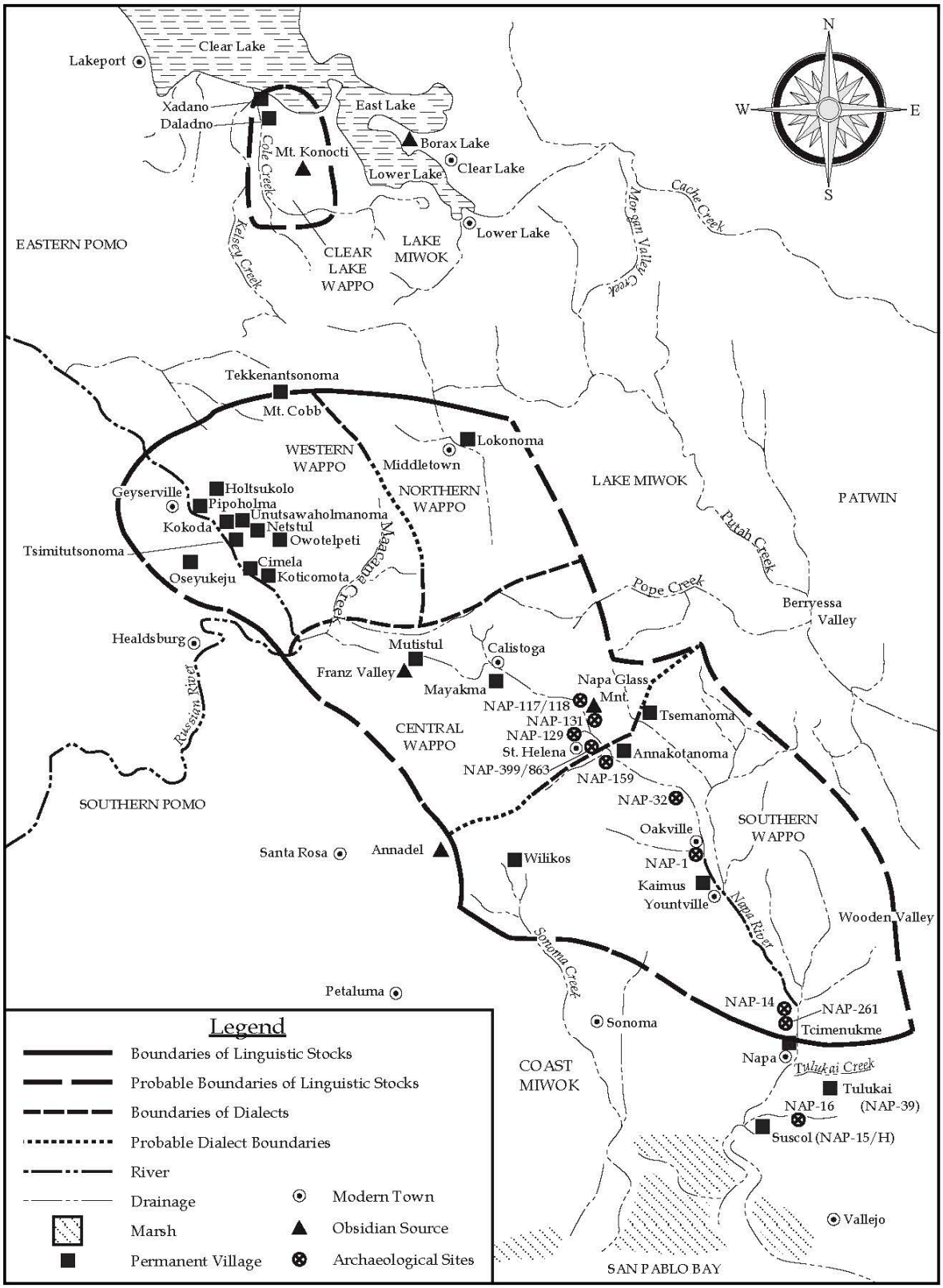

Figure 3-1. Ethnographic Wappo Territory Map (after Heizer 1953).

of Pope Valley, the headwaters of Sonoma Creek, the southern headwaters of Putah Creek, the headwaters of Pope Creek, and the entire length of Elk Creek to its confluence with the Russian River.

Separated from this primary territory and approximately 10 mi. to the north, the Wappo also occupied a small detached territory along Cole Creek and the south shore of the main body of Clear Lake. This group of Wappo was called *Lile'ek* by the neighboring Pomo and "seem to have been a rather recent offshoot from the western Wappo, who visited the Pomo *Habenapo* [in the vicinity of Kelseyville] for fishing or food, intermarried with them, and were allowed to settle in their territory" (Kroeber 1925:219). This detached territory was separated from the primary territory by the lands of the eastern Pomo and the Lake Miwok.

The Wappo were bordered to the north and west by the many divisions of the Pomo, to the north and east by the Lake Miwok and the Patwin, and to the south by the Coast Miwok. While the Wappo belonged linguistically to the Yukian Family, none of their neighbors spoke a Yukian language. The Pomo were Hokan speakers, while the Miwok and Patwin were made up of Penutian speakers. The closest Yukian speakers to the Wappo were the Yuki and the Huchnom over 40 mi. to the north and separated from the Wappo by the Hokan-speaking Pomo. Wappo speech, however, was quite different from both Yuki and Huchnom. Kroeber (1925:217-218) suggested that the speech differed as much "as German from English," suggesting a separation of 500-1,000 years from a common root.

Even though the Wappo were a relatively small group surrounded by larger groups with distinct languages, the Wappo do not appear to have been isolated from their neighbors. Linguistically, the relatively rapid Wappo divergence from Yuki and Huchnom speech may have been a result of abundant contact with other linguistic groups (Kroeber 1925:217), including contact with Spanish colonizers (Sawyer 1978:256, 261; cf. Radin 1929:7)—an idea supported by the closer cultural affinities between the Wappo and the Pomo as compared to the Wappo and the Yuki or Huchnom. Many common traits, including kinship terminologies and burial practices, were more closely shared between the Wappo and the Pomo, which may indicate that there was a great deal of interaction between the two groups over time (Driver 1936:219). As Golla (2007:81) explained, "whenever and wherever Wappo diverged from northern Yukian, it probably involved substantial influence from Pomo, since a number of the phonological and grammatical differences between Northern Yukian and Wappo are best explained as a 'Pomoization' of the later."

3.4.2 Subsistence

Wappo subsistence was primarily based on plant foods with additional sustenance provided by animal foods (Lightfoot et al. 2009). Similar to many tribes throughout California, the staple food source was the acorn, which was primarily prepared as a mush or bread. Generally, the Wappo preferred tan oak (*Lithocarpus densiflorus*) over the more plentiful black oak (*Quercus kelloggii*), though as many as eight different types of acorns were recognized by the Wappo (Driver 1936:186). Both men and women collected and carried acorns in burden baskets, but only women processed the harvest. Acorns with hulls were stored in above-ground granaries while hulled and processed acorns were stored in baskets within houses. No underground storage was used.

In addition to acorns, several other plant foods provided a reliable subsistence base. The buckeye (*Aesculus californica*) was prepared in a similar manner to acorns but was not stored in the same manner; buckeyes were generally piled loose around the house. Several root species were baked in

subterranean ovens. These included "potatoes" (*Brodiaea* spp.), "onions" (*Allium* spp.), and soaproot (*Chlorogalum pomeridianum*). Cattail roots were either consumed raw or roasted (Lightfoot et al. 2009:218). Seeds, including tarweed (*Hemizonia* sp.) and chia (*Salvia columbariae*), were harvested with a seedbeater and basket before being roasted. The Wappo also actively dispersed seeds from desired plants to increase plant yields in particular areas (Lightfoot et al. 2013:213). Toyon berries (*Heteromeles arbutifolia*) were roasted and eaten whole. Several berries, such as elderberry (*Sambucus mexicana*) and blackberry (*Rubus* sp.), were eaten raw. In addition to being important sources of food, many plants were also sought after for basketry, medicines, and for use in other daily tasks such as in the manufacture of arrows, cordage, and building materials (Lightfoot et al. 2009:213-230). For example, poison oak juice was used to produce a black dye for baskets and was also harvested as an antidote to rattlesnake poison (Driver 1936:54). Similarly, manzanita produced berries that could be eaten raw or fermented into cider, while its wood was sought after for manufacturing digging sticks (Lightfoot et al. 2009:226).

Plant foods were supplemented with animal foods, particularly small game, which provided a much more significant portion of the diet than large game. Hunting was carried out by men. Birds, including ducks and geese (Anatidae) and quail (Phasianidae), were hunted with slings, nets, traps, and bows and arrows. These birds were then roasted whole and eaten. Other birds, including some woodpeckers (Picidae) and blackbirds (Icteridae), were captured for their feathers. Small mammals such as raccoon (*Procyon lotor*), hares and rabbits (Leporidae), squirrels (Sciuridae), mice (several genera) and gophers (*Thomomys bottae*), were hunted with snares, clubs, and bow and arrows. These animals were roasted on a spit or in an earth oven, pounded whole, and eaten. The Wappo reportedly kept skunks as pets once the scent gland was removed (Driver 1936:186). Insects, such as grasshoppers (several genera) and caterpillars (several genera), were gathered by burning fields. These insects were also roasted and either pounded or eaten whole. The only large mammals ethnographically recorded as a resource were mule deer (*Odocoileus hemionus*) and pronghorn (*Antilocapra americana*), which were hunted individually or communally during coordinated drives using clubs, nets, fences, snares, and bows and arrows. Deer were typically roasted, though some meat could be dried and stored. Meat of any kind was never boiled by the Wappo.

Fish were caught by the Wappo but appear to have been a less important food source in ethnographic times than land animals or plants (Driver 1936:184). Saltwater fish and other seafood were eaten only occasionally during trips to the coast. Fishing was carried out by men. Larger fish, such as anadromous salmon (*Oncorhynchus* spp.) and steelhead trout (*Oncorhynchus mykiss irideus*), could be caught with the use of nets, traps, poison, weirs and baskets (Lightfoot et al. 2009:239-240). The Wappo constructed weirs comprised of larger posts with a latticework of willow and hazel shoots along streambeds, and also conducted cooperative fish drives involving teams of fishermen and nets. Smaller freshwater fish, such as Rainbow Trout (*Oncorhynchus mykiss*) and Sacramento Sucker (*Catostomus occidentalis*), were caught by hand, net, poison, harpoon, and fishing line with baited hooks. Fish were typically roasted over coals or in a subterranean oven and then eaten whole or pounded into meal. Fish meat was also dried and stored for times of shortage. Turtles were caught by hand and then roasted whole.

Certain animals were either avoided due to taste or taboos. Wappo mythology is replete with stories of anthropomorphic characters (Radin 1924). Those animals considered especially sacred or dangerous and thus avoided included buzzards, roadrunners, crows, raptors (eagles and hawks), coyotes, frogs, toads, lizards, and snakes.

3.4.3 Settlement

The Wappo settlement system was semi-sedentary, with large permanent or semi-permanent villages that were situated near fresh water sources in environments with diverse and abundant resources. In the areas surrounding the large villages, seasonal camps were distributed near specific resources. These camps were often task-specific sites. According to Driver (1936:183), primary village sites were "occupied continually throughout the year and other sites were visited in order to procure particular resources that were especially abundant or available only during certain seasons." It has also been suggested that larger town sites were occupied during the winter; afterward, the population dispersed to smaller camps during the summer months (Driver 1936:183).

The sweathouse seems to have been the primary factor in the organization of the village. The sweathouse was centrally located within the village and its entrance always faced south (Driver 1936:206). Dwellings were placed around the sweathouse but were not laid out in a geometric form. The orientation of the dwellings seems to have been based primarily on topography. Small villages near larger villages might share the sweathouse of the larger village. The largest villages could have more than one sweathouse.

The sweathouse was called *hotsa*, which means "hole." The structure served as a "combination sweat, club, and dance house" (Driver 1936:189). The structure was roughly circular, semi-subterranean, and consisted of a 1-meter depression that measured 10-18 meters in diameter. The superstructure was built out of posts and planks with one central pole and five side posts. The framework was covered in brush and grass and the roof was covered with dirt. Men built the framework, but both men and women dug the center pit and covered the structure.

Dwellings were also semi-subterranean, but were elliptical in shape. They consisted of grass thatch attached to a framework of poles that were stuck in the ground and bent over to form a domed superstructure. The only internal partition within the structure was a menstrual room that was formed by tule mats or thatched grass, with an entrance to the outside and an entrance to the main room. The dwellings could house more than one family and could be as much as 12 meters in length. Each family had their own door, fire, and smoke hole, though there were no internal partitions. Women gathered the materials for the dwelling, and men constructed the building. The eldest occupants were joint owners of the dwelling.

During the summer, "people lived in simple brush structures and danced in a roofless circular brush enclosure" (Driver 1936:189). These summer dwellings were shared by the same individuals who shared the more permanent dwellings. These dwellings also had a separate menstrual room as the only partition. The dance enclosure was not semi-subterranean, but had the same southern orientation as the sweathouse.

A description of the Wappo village of *Unutsawaholma* based on census data and informants was provided by Driver (1936:201-211). This village consisted of eleven dwellings and one sweathouse. The eleven dwellings housed a total of 92 individuals from 21 families. The number of occupants of each house ranged from four to 21 with an average of nine. The number of families in each house ranged from one to six with an average of two. The number of individuals in each family averaged just over four. Families were defined as a husband, wife, and their children. Individuals living within the same dwelling were almost always related by blood.

3.4.4 Social Structure

The basic unit of Wappo social structure was the immediate bilateral kin group. The largest unit of effective organization was the village community. Villages were led by a chief who fulfilled four offices or functions: war chief, home chief, dance or ceremonial chief, and town crier. A different person could fill each of those functions, but often a single chief fulfilled all four. The position was almost always filled by a man, though (as seen among the neighboring Coast Miwok) women also filled similar roles (Driver 1936:213; Collier and Thalman 1996).

Chiefs were chosen based on their natural leadership abilities, though they had little control over the rest of the group, and the bilateral kin group was often the effective unit in determining punishments for wrongdoings. The chief was still expected to take care of the wellbeing of members of the village community, however evident in the necessity to gain the permission of the chief to travel or trade. The chief granted permission to travel and trade in order to ensure the safe return of the individual or individuals. If the individual did not return, the chief was responsible for making retribution for the wrongs that had befallen the individual.

The Wappo had little specialization in terms of occupation, and even chiefs were expected to hunt and fish to feed their families. There were a few occupations that were specialized, however, and may have been learned through apprenticeships (Driver 1936:210). The census data presented by Driver (1936:210) for the village of *Unutsawaholma* listed several individuals with single occupations that did not include hunting and fishing. These occupations included doctors, ceremonial performers, and specialized artisans who produced items for ceremony or trade. Specialized items included beads, "arrow heads," pipes, flutes, and woodpecker belts.

3.4.5 Trade and Exchange

The territory occupied by the Wappo was rich in desirable resources, particularly in raw materials for stone tool manufacture. Obsidian sourced to the Napa Valley has been found at archaeological sites throughout Central California. The Wappo were obviously an important part of a regional trade network. The exact nature and operation of this network is not fully understood, though much information has been provided through the ethnographic record.

The Wappo attained non-local items indirectly through trade and directly through travel. Some items were gained solely through trade or travel, while others were attained through both means. The primary objects gained through trade were sinew-backed bows from the Patwin or Pomo to the north and east; clam and abalone shell from the Pomo and Coast Miwok to the south and west; tule mats from the Pomo to the north; magnesite cylinders from the Pomo to the north; fish from the Pomo and Lake Miwok to the north and east; and yellowhammer headbands from an unknown group to the north.

The items attained through travel were primarily from the coast, Clear Lake, and from within Wappo territory. The Wappo made at least one trip to the coast every year. They were never harmed by the Pomo or Coast Miwok as they made their way through their territories. These trips were relatively large expeditions and took two days each way (Heizer 1953:238). At the coast, they gathered or traded for clam and abalone shells, fish, and other marine foods.

The trip to Clear Lake was made several times a year and was generally a smaller expedition than the trip to the coast. Although hostilities were reported between the Wappo at Clear Lake (*Lile'ek*) and their *Habenapo* Pomo neighbors (Kroeber 1925:220-221), none of these incidents appeared to be

related to trading expeditions. The Wappo traveled to Clear Lake to fish. They dried the fish over fires before packing them for the journey to their home villages. It is not known whether the Wappo fished in their territory among the *Lile'ek* or within the territory of another group.

The final type of travel to attain exotic resources was accomplished by Wappo within their own territory. Western Wappo individuals recalled traveling to obsidian sources near St. Helena. A few individuals made their way to Napa Glass Mountain to attain obsidian nodules that they either worked at the source or brought with them to work at home (Driver 1936:195; Heizer 1953:238). It is not known whether the Wappo allowed other tribes access to their resource base.

3.5 HISTORICAL OVERVIEW

3.5.1 Spanish Period

European contact with Native Americans in California occurred as early as 1542 with the voyage of Juan Rodriguez Cabrillo (Erlandson and Bartoy 1995). In the San Francisco Bay area, two 16th century encounters took place between the Coast Miwok and European explorers. The first was Captain Francis Drake's 1579 visit aboard the *Golden Hinde,* while the second was the 1595 wreck of Captain Sebastian Cermeño's *San Agustín,* both of which occurred at what is now Drake's Bay (Lightfoot and Simmons 1998). European colonization of the San Francisco Bay did not begin until 150 years later, however, with the 18th century expansion of the Spanish frontiers northward from Mexico into Alta California.

In 1769, Sergeant José de Ortega, the scout for the expedition of Gaspar de Portolá, discovered the entrance to San Francisco Bay. The interior of the Bay Area was first explored in 1775 by Juan Manuel de Ayala and José Cañizares (Hoover et al. 1990:330). These expeditions were partially focused on the identification of ports and sites for the establishment of missions. One of the first colonizing parties in northern Alta California, under José Joaquín Moraga and Padre Francisco Palou, arrived in San Francisco in 1776 and founded the Presidio of San Francisco and *Misión San Francisco de Asís* (also known as Mission Dolores) (Hoover et al. 1990:333). Using a tripartite system of military presidios, religious missions, and civilian pueblos, the Spanish government rapidly established a network of settlements from San Diego to San Francisco. The actual Spanish colonial footprint of most sites, however, included a much wider infrastructure of agricultural lands and ranches (*estancias*), outlying *asistencias* (sub-missions), smaller *visita* churches, Christian Native American communities, and other places in addition to the more well-known missions, presidios, and pueblos. *Misión San Francisco de Asís*, for example, had two *asistencias*: *Misión San Rafael Arcángel* (1817) on the Marin Peninsula and *Misión San Pedro y San Pablo* (1786) at present-day Pacifica.

From 1776 to 1817, *Misión San Francisco de Asís* was the northern anchor in the mission chain, and Native Californians from throughout the Bay Area were brought to the mission. Baptismal records have indicated that the inhabitants of the lower Napa Valley were brought to the *Misión San Francisco de Asís* and to *Misión San José de Guadalupe* in great numbers (Jackson 1978:2.38). While a few Spanish visits were made by Gabriel Moraga (1810 and 1812-1814), Luis Argüello and Father Blas Ordaz (1821), and Father José Altimira and Alferez José Sánchez (1823) to the North Bay during this period, it was not until the Russian colony at Fort Ross was established in 1812 that the Spanish pressed northward to colonize and proselytize in the region (Milliken 1995).

In 1817, *Misión San Rafael Arcángel* was established in the North Bay. In addition to transferring Native Californians from missions at San Jose and San Francisco, the newly established mission at

San Rafael drew most of its converts from the north and west of Petaluma. By the founding of the final mission, *Misión San Francisco de Solano*, in Sonoma in 1823, tribal social structure in the Napa Valley—as with the rest of the San Francisco Bay—had been severely impacted by epidemic diseases and displacement. Many Native Californian communities persisted physically and culturally, however, by seeking refuge in areas far removed from the missions, in reshaping kin alliances through intermarriage, and through other creative responses.

3.5.2 Mexican Period

Mexico gained independence from Spain in 1821, and the Presidio of San Francisco became a Mexican frontier outpost. The newly established Mexican government attempted to more aggressively colonize their northern frontier by granting large tracts of land to *Californio* citizens as a reward for loyal service. These *ranchos* were meant to stake Mexico's claim to the area and halt the possibility of further Russian incursion into the territory. Dispossessed of their land, the Native Californians in these areas essentially became a vast labor pool for wealthy landowners (Silliman 2004).

Francisco Castro, accompanied by José Sanchez, Father José Altamira, and seventeen soldiers, led the first recorded exploration of Napa County in 1823 to locate the ideal site for a new mission. Sonoma was selected as the new mission-site, while Petaluma and Napa were selected as extended cattle ranch areas that would supply the needs of the mission (Hoover et al. 1990:231). *Misión San Francisco de Solano* represented the northern boundary of the Mexican sphere of influence, and it was also the last mission to be founded in Alta California under the secular Mexican government (Hoover at al. 1990:463).

In 1833, General Mariano Vallejo, Commander of the Presidio of San Francisco, was sent north of the San Francisco Bay by Governor José Figueroa to establish settlements in the fertile valleys. This was part of a concerted effort to wrest control of the land and the indigenous population from the mission fathers. Also in 1833, the Bonaventura Brigade, an expedition headed by John Work for the Hudson's Bay Company, crossed the Napa River on the way to the Sonoma coast and camped near present-day Napa to allow some crew members to convalesce (Maloney and Work 1944). Vallejo was granted *Rancho Petaluma* in 1834 and received the right to grant other *ranchos* in the North Bay in 1835. The first grant within the Napa Valley was *Rancho Caymus*, which was awarded to George Yount in 1836 (Jackson 1978: 2.41). It encompassed the present-day town of Yountville. Yount, a native to North Carolina, became the first American to settle permanently in the Napa Valley. Mission neophytes helped Yount build his two-story, Kentucky-style log house, which was believed to be the first example of that style built on the Pacific Coast (Greengo and Shutler 1953: 231). Shortly after Yount received his grant, Dr. Edward F. Bale was awarded a 17,000-acre *rancho* to the north of Yount's holdings (Demsky 2005); Bale built a sawmill as well as a grist mill to grind corn and wheat. In 1843, Yount received another land grant to the north of *Rancho Caymus*, the *Rancho La Jota,* where he too built a sawmill. Within the next ten years, the Napa Valley was divided and parceled into numerous such *ranchos*. The native population formed the majority of the labor force on these newly granted landholdings. By 1843, Menefee (1873:18-19) noted that upwards of 400 Native Californians lived on the *Caymus Rancho*, over 100 lived on the *Bale Rancho*, 600 lived on the *Salvador Rancho*, and larger numbers lived on the *Juarez*, *Huigera*, and *Soscol ranchos*.

The conscription of native labor came with a price, however. The Wappo and allied bands of Pomo fought several campaigns against Mexican soldiers under Vallejo's command (Greengo and Shutler 1953:229-231). Known as the Satiyomi Campaigns, the Wappo waged successful battles against

Vallejo and his Patwin allies in 1834, 1836, and 1842. Although the Spanish and Mexicans in Alta California rarely made treaties with Native Californians, Vallejo signed two separate treaties with the Wappo in 1836—a remarkable testament to the Wappo resistance. Despite their efforts, however, conflict and disease ultimately reduced the Wappo population from approximately 8,000 in 1836 to just 500 in 1850. This was due in large part to the introduction of diseases for which the Wappo had no resistance. Particularly devastating was a smallpox epidemic in 1837 (the "Miramontes epidemic") that spread from Fort Ross to Sonoma. It swept through Central and Northern California and was said to have nearly exterminated the native inhabitants of the valleys of Sonoma, Petaluma, Santa Rosa, Russian River, Clear Lake, and the Sacramento Valley up to Mt. Shasta (Greengo and Shutler 1953:231).

The Wappo that did survive conflict and disease ultimately found ways to integrate into new capitalist economies introduced by the Mexican settlers by finding work on *ranchos* and by taking on other forms of menial labor (Phillips 1993; Silliman 2004). At the same time, the Wappo, like many other Native Californian tribes, found ways to preserve their heritage while actively transforming the discourse regarding Native Californian land allotments and colonial settlement (Schneider 2010).

3.5.3 American Period

In the 1840s, relations between Mexico and the US became strained as the US expanded its sphere of influence westward to the Pacific Ocean. Those tensions erupted in the Mexican-American War, which lasted between 1846 and 1848. The signing of the Treaty of Guadalupe Hidalgo brought an end to the war and brought Alta California under the control of the US government (Hoover et al. 1990). Shortly thereafter, gold was discovered in California, sparking a huge inward migration of miners and settlers. With its rapid population growth and apparent wealth, California quickly bypassed the territorial stage and became a state in 1850.

Like Yount and Bale before him, Nathan Coombs acquired considerable landholdings in the Napa Valley. Coombs first came to California in 1843 where he purchased a small part of *Rancho Tulucay* on the east side of the Napa River. In 1847, he purchased 325 acres within *Rancho Napa* from Salvador Vallejo in addition to 80 acres within *Rancho Entre Napa* from Nichols Higuera. It was on the 80-acre landholding that Coombs laid out and founded the city of Napa in 1848. When statehood was granted to California in 1850, Napa became one of the original 27 counties and "Napa City" (later shortened to Napa) became the county seat.

With the rapid influx of settlers into California, legal determination of ownership of lands awarded by Spanish or Mexican authorities was often disputed. The American government passed the Land Act of 1851, which placed the burden of proof-of-ownership on grantees. By congressional action, grant claims were heard by a board of Land Commissioners and then appealed in Federal Courts. By 1885, roughly 97% of the claims had been decided. County boundaries were often contested as well. Prior to 1852, the boundaries of Napa County were disputed, as both Napa and Mendocino counties claimed the area around Clear Lake. Although the California Legislature passed acts in 1852 and 1855 to better define county boundaries, the dispute was not fully settled until 1861 when Lake County was created from the northern portions of Napa County (Coy 1919:316). The first Napa County Courthouse was constructed in 1856, but it was condemned eight years later when the structure was deemed unsafe. A replacement courthouse was completed in 1878 and remains in use today as the seat of Napa County government (Hoover et al. 1990:236).

Between 1850 and 1860, the population of Napa County grew from 400 to approximately 5,000. Much of that growth was related to the agricultural fertility of the Napa Valley and to improvements in transportation. While the Gold Rush initially drew miners and settlers to the region, many stayed on to pursue their fortunes in agriculture, ranching, timber, and mineral resources. The advent of steamers, stagecoaches, and a rail line also greatly facilitated travel through and settlement of the Napa Valley. Steamers traveled from San Francisco up the Napa River to Napa in approximately three hours. A stagecoach line and a railroad connected the southern end of the valley at Vallejo with the northern end at Calistoga. Several resorts were established in the Napa Valley during this period of growth, particularly at Calistoga. In 1852, the first mineral springs resort in California was opened at White Sulphur Springs, approximately 4 mi. to the west of St. Helena (Hoover et al. 1990:236). These resorts contributed greatly to the local economy. Samuel Brannan financed a branch railroad to his planned resort in Calistoga. The first run brought some 3,000 people from San Francisco to the grand opening of his Calistoga Hot Springs in 1868. Presaging the future of the valley, Brannan planted grape vines adjacent to his resort that he had bought from growers in Sonoma County (Hoover et al. 1990:237).

Even more significant to the growing Napa County and Napa Valley economy was agriculture. Wheat, barley, and grapes became the central focus of production, though cattle and sheep-raising remained an important component of the regional economy into the 20th century. Many of the original farmers in the Napa Valley had established small vineyards with cuttings supplied by the missions in Sonoma and San Rafael. As early as 1862, the State Legislature sent Agoston Haraszthy to Europe to bring back 100,000 cuttings of 300 different varieties of grapes. These were to be divided between the wine growers of the state (Rolle 1969:368). By 1870, Napa County had over one million vines planted (Starr 1973:372). By 1880, a large northern Italian population had settled in the Napa and Sonoma valleys, bringing with them a vast knowledge of wine making. The wine industry quickly propagated in Napa County until Prohibition in 1920 temporarily put an end to production. The industry quickly recovered, however, when Prohibition was repealed in 1933 (Rolle 1969:368).

Other industries such as mining also took root in Napa County. In 1865, the La Joya Mine, later the Summit Quicksilver Mining Company, was established west of Oakville. It later merged in 1868 with the Oakville and Bella Union to become the Bella Oak Mine. Given its proximity to numerous mines, Rutherford quickly became a boomtown for cinnabar. Raw ore and the mercury or quicksilver that was extracted from it were loaded onto trains at the Rutherford depot. Between 1864 and 1903, Napa County became one of California's leading quicksilver producers. The Knoxville Mine, the third largest mercury producer in California, survived longer than other local cinnabar producers and continued to operate profitably through World War II (Yerger 2016).

3.6 BURIED CULTURAL RESOURCE SENSITIVITY

The landscape of the San Francisco Bay Area has changed dramatically since humans first entered and occupied the region more than 13,000 years ago. These changes have included rising sea levels, higher hydrologic baselines, and increased sedimentation rates in streams and rivers that drain into the Bay and Sacramento–San Joaquin Delta (Helley et al. 1979). These processes led to the formation of an "apron" of younger alluvium (<5,000 years old) around the bay that overlaid many Late Pleistocene and Early Holocene land surfaces (Helley et al. 1979:18). These older land surfaces typically exhibit well-developed buried soil profiles (paleosols) that represent a significant stratigraphic boundary. A paleosol is an "old soil" that formed as a result of weathering at or near

the ground surface during an interval of relative landform stability; it thus represents a surface that would have been available for human use and occupation in the past.

Geological studies in Central California have demonstrated that many valleys were partially filled with alluvium by two or more cycles of deposition separated by periods of land stability and soil formation (Lettis 1982; Marchand and Allwardt 1981; Pape 1978; Rogers 1988). Successive episodes of sediment deposition and land stability in the Walnut Creek drainage of Contra Costa County, for instance, were found to date to the Holocene and were considered "regional in scope" (Banks et al. 1984:8.28). A geoarchaeological study (Meyer 1996) found that long periods of floodplain stability were interrupted by short depositional episodes in the Early, Middle, and Late Holocene that buried Early and Middle Holocene land surfaces and associated prehistoric sites. Subsequent investigations along Kellogg Creek in the Los Vaqueros Reservoir area led to the discovery of buried archaeological deposits dating to the Early, Middle, and Late Holocene that were associated with buried soils (Meyer and Rosenthal 1997, 1998). Closer to the Napa Valley, isotopic analysis of sediment cores from San Pablo Bay, beyond the mouth of the Napa River, revealed a dramatic increase of inflow between 50 BC-AD 280/2,000-1,670 BP. Although many drainages flow into the San Francisco Bay, such increased flows in the Napa River combined with gradually rising sea levels may have led to significant geomorphic change in the Napa Valley, including floodplain aggradations. The studies cited above have indicated that these depositional episodes were the geomorphic expression of regional climatic and environmental changes that occurred during the Late Pleistocene and Holocene.

Over time, significant portions of the archaeological landscape have been removed by erosion or buried by sediment deposition, leading to a bias in the recovery and recognition of more recent cultural deposits. Older archaeological sites have been generally under-represented because they have been obscured, while younger sites have been comparatively over-represented at or near the present ground surface where they may overlie older but buried cultural deposits in areas of persistent occupation. Prehistoric human settlement and demographic patterns in the Napa Valley must be carefully evaluated against the backdrop of regional landscape evolution if this bias is to be understood and overcome.

Prominent buried sites identified in the Napa Valley include CA-NAP-15/H, east of the Napa River along Suscol Creek and CA-NAP-129, west of the Napa River north of St. Helena. At CA-NAP-129, basalt flakes and core tools were reported in soils buried beneath a Late Period (AD 900-1800/1,050-150 BP) midden deposit (Fredrickson 1984:513; Meighan 1953:315). Obsidian-hydration and radiocarbon evidence suggested that the upper deposit dated to the Upper Archaic (500 BC-AD 900/2,450-1,050 BP) while the lower deposit dated to the Middle Archaic (3,000-500 BC/4,950-200 BP). At CA-NAP-15/H, artifacts and cultural features were found to occur in soils buried at depths of 1.5-3.0 meters below the surface of the floodplain north of Suscol Creek. Radiocarbon and obsidian-hydration evidence suggested that the buried deposits were approximately 2,000-4,000 years old (early Late Holocene), while the overlying natural and cultural deposits were less than 1,500 years old (Stradford et al. 1982). A Middle Archaic component was also found to be associated with buried soils at CA-NAP-916 along Napa Creek (Martin and Meyer 2005). More recently, substantial buried deposits were encountered at CA-NAP-1151 along the Napa River near Yountville in an area that (Pacific Legacy 2017) that had witnessed substantial recent disturbance from vinicultural activity.

Given the proximity and similarities in setting between the Project vicinity and other known buried cultural resources within the Napa Valley, it is anticipated that the same geomorphic processes, specifically the deposition of floodplain alluvium, will be evident within the Project APE. The highest potential for buried cultural deposits within the APE will occur where young Late Holocene-age or modern deposits are present within the Napa Valley basin. Additional factors that would have influenced Native settlement, particularly distance to water and degree of landform slope, also will have a bearing on buried cultural resource sensitivity. Areas of low sensitivity will be those characterized by older Holocene or Pleistocene-age landforms, particularly along the hills and slopes adjacent to the valley basin where younger sediments have not accumulated and other factors such as slope and distance to water are less favorable. The Project APE trends generally northwest-southeast and mirrors the divide between the youthful Holocene-age alluvial deposits of the valley basin to the northeast and the older Pleistocene-age slopes of the Mayacamas foothills to the southwest. The Napa River flows east of the Project APE and is joined by several tributaries that flowing across the APE.

The potential to encounter buried deposits is highest near the northern portion of the APE where the proposed trail extends into the Napa Valley basin. Progressing southeast, the APE passes though areas of moderate to high buried cultural resource potential until south of Mill Creek, where it passes though areas marked by older landforms that have not been obscured by younger alluvial deposits. South of Lodi Lane in the southern portion of the APE approaching St. Helena, buried cultural resource potential is generally moderate northeast of the proposed trail and low to the southwest following the pattern noted above.

4.0 METHODS

Inventory methods to identify cultural resources in the Project APE involved documentary research, archival and record searches, and a pedestrian field inventory of the Project survey area. The results of the record searches, as described in Section 2.0, were used during the field inventory to assist in relocating previously recorded archaeological resources.

4.1 SURVEY METHODS AND COVERAGE

4.1.1 Survey Area

A systematic pedestrian field inventory of the survey area was conducted within the APE where the Project may have a direct impact on archaeological resources. The survey area consisted of a 20-foot buffer to either side of the Project centerline and around proposed Project work and staging areas. The survey area spans 41.4 acres. Pacific Legacy archaeologists examined 36.2 acres within the survey area in December 2019; the remaining 5.2 acres within the BNVSP were examined in March 2020. A detailed map of Pacific Legacy's survey coverage is presented in Exhibit 1 – Figure 4.

4.1.2 Field Survey Methods

Fieldwork was conducted on December 11, 12, 19, and 20, 2019 and March 10, 2020 by Pacific Legacy archaeologists Christopher Peske, B.A., and David Daly, M.A.; for the March 2020 survey within BNVSP, Peske and Daly were accompanied by Associate State Archaeologist Kate Green. The intensive pedestrian field inventory of the survey area involved the use of 10-meter transects, which were narrowed to 1-meter transects when potential archaeological resources were identified. Ground surface visibility varied from 0% in paved areas to 100% in cleared dirt lots. Generally, ground surface visibility averaged 60% where the Project APE passed through maintained vineyards and areas of low grasses. Tilling within the vineyards offered a glimpse of subsurface soils. In areas of more limited ground surface visibility, crew members paid particular attention to disturbed areas or areas of exposed soil, such as rodent holes, tree root systems, and vertical soil cuts. Archaeologists also employed trowels or boot scrapes to expose small areas of the ground surface when appropriate. Specific conditions within the Project survey area are noted in Exhibit 1 – Figure 4. Naturally occurring obsidian nodules were abundant. Specimens were inspected for dorsal and ventral surfaces, prepared platforms, and other diagnostic traits to determine if a piece of obsidian was derived from stone tool production rather than natural processes. Photographs were taken of the survey area and all cultural resources encountered and documented in a photographic log. Photographs from the field inventory are provided in Exhibit 5.

4.1.3 Site Recording

When an archaeological resource was identified during the field survey, its general characteristics (e.g., historic, prehistoric, site complexity) were noted and its location mapped using a Trimble Geo7x GNSS receiver. More detailed recording was also conducted during the field inventory. Resources identified in the field were assigned temporary field numbers using a consecutive numbering system (VT-01, VT-02, VT-03, etc.), unless they were located within the boundaries of a previously recorded site. Survey area overviews and archaeological site photographs were taken using a digital camera and logged. No cultural materials were collected during the field inventory.

Site mapping was conducted using a Trimble Geo7x GNSS receiver using UTM Zone 10N NAD 83 coordinates. This included mapping site boundaries, artifact concentrations, and diagnostic artifacts. The GNSS data were corrected using Pathfinder Office software. Site maps were generated using ArcGIS 10.6.1 software and were plotted onto large-scale aerial photographs and topographic maps. Resource location maps (Exhibit 1 – Figure 5) depict the recorded portions of all archaeological sites identified and updated in the survey area.

Archaeological site recording was accomplished using Department of Parks and Recreation (DPR) Primary Records and Archaeological Site Records (DPR 523A and 523C). Previously recorded resources were recorded using Continuation/Update Sheets (DPR 523L). Two resources assigned temporary field numbers (VT-01 and VT-02) were later determined to be associated with previously recorded sites (P-28-000240 and P-28-000503, respectively). Observations were noted on updated records for these resources, and the temporary field numbers were discontinued. A full site record was completed for four newly identified archaeological sites (VT-03, VT-04, VT-05, and VT-06). All new and updated site records for archaeological resources in the Project survey area are provided in Exhibit 2.

5.0 STUDY FINDINGS AND CONCLUSIONS

Pacific Legacy archaeologists documented four newly discovered prehistoric archaeological sites within the Project survey area in December 2019. Eleven previously recorded resources also were documented in the survey area, and their current condition was noted on updated DPR Forms 523. All archaeological resources within the survey area are summarized in Table 5-1. Resource locations are shown in Exhibit 1 – Figure 5. Exhibit 2 contains the site records for all cultural resources encountered in the survey area.

Table 5-1. Archaeological Sites Recorded within the Survey Area.

Primary No.	Trinomial	Field No./Name	Age	Site Type	NRHP Evaluation Status
Newly Identified Archaeological Sites					
Pending	*Pending*	VT-03	Prehistoric	Sparse lithic scatter	Not evaluated
Pending	*Pending*	VT-04	Prehistoric	Sparse lithic scatter	Not evaluated
Pending	*Pending*	VT-05	Prehistoric	Sparse lithic scatter	Not evaluated
Pending	*Pending*	VT-06	Prehistoric	Sparse lithic scatter	Not evaluated
Previously Recorded Archaeological Sites					
P-28-000062	CA-NAP-58/H	[redacted]	Multicomponent	Large habitation site and several historic period structures	NRHP evaluation in progress, pending SHPO concurrence most likely eligible.
P-28-000240	CA-NAP-328/H	[redacted]	Multicomponent	Midden with dense lithic scatter; historic period mill and associated features	Previously determined eligible;
P-28-000446	CA-NAP-563	Suffia Site	Prehistoric	Lithic scatter with mortars	Not evaluated
P-28-000454	CA-NAP-571/H	[redacted]	Multicomponent	Sparse lithic scatter; historic period debris scatter	Determined Ineligible outside of BNVSP
P-28-000503	CA-NAP-625/H	TN-135	Multicomponent	Midden with sparse lithic scatter; historic period debris scatter	Not evaluated
P-28-000560	CA-NAP-683	[redacted]	Prehistoric	Buried lithic scatter	Not evaluated
P-28-000923	CA-NAP-360/H	[redacted]	Multicomponent	Midden with dense lithic scatter; historic period debris scatter	Not evaluated
P-28-000951	CA-NAP-831	[redacted]	Prehistoric	Sparse lithic scatter	Ineligible
P-28-000952	CA-NAP-832	[redacted]	Multicomponent	Sparse lithic scatter; historic period residence	Ineligible
P-28-001287	CA-NAP-1016/H	[redacted]	Multicomponent	Historic period graveyard; historic period church foundation; sparse lithic scatter	Not evaluated.
P-28-002528	None assigned	[redacted]	Historic	1940s-era wood-frame residence	Not evaluated

5.1 ARCHAEOLOGICAL SITE INVENTORY

Four newly discovered and eleven previously recorded archaeological resources were recorded as a part of this study. All four of the newly discovered sites are sparse prehistoric lithic scatters (VT-03, VT-04, VT-05, and VT-06). Of the previously recorded sites, three (P-28-000446, P-28-000560, and P-28-000951) are prehistoric lithic scatters, one (P-28-002528) is the location of a former historic period residence, and seven (P-28-000062, P-28-000240, P-28-000454, P-28-000503, P-28-000923, P-28-000952, and P-28-001287) contain both prehistoric and historic period components.

5.1.1 Newly Identified Archaeological Sites in the Survey Area

Site VT-03

Prehistoric site VT-03 is a sparse lithic scatter with one stage-4 biface and seven pieces of obsidian debitage, including three pressure flakes, two biface thinning flakes, one primary flake, and one flake fragment. The site measures 33 meters (WNW/ESE) by 18 meters (SSW/NNE) and is located [redacted] The site sits within a transitional zone between the foothills of the Mayacamas Mountains, characterized by Oak woodlands, and the [redacted]. Ground surface visibility was limited as short grasses covered most of the site area. The site is in fair condition despite impacts from road construction and maintenance, pedestrian traffic, bioturbation, alluvial erosion, and colluvial erosion.

Project activity at VT-03 may include minimal excavation and scarification to prepare for installing the trail, because raising the grade elevation would result in drainage challenges. Design changes are currently being considered to elevate the trail above grade to avoid excavation into the subgrade.

Site VT-04

Prehistoric site VT-04 is a sparse lithic scatter measuring 40 meters (NW/SE) by 10 meters (SW/NE) located [redacted] undeveloped field within the Caltrans right-of-way. It contains ten pieces of obsidian debitage, including two early biface thinning flakes, three pressure flakes, three flake fragments, one secondary flake, and one piece of angular shatter. The site sits within a transitional zone between the foothills of the Mayacamas Mountains, characterized by Oak woodlands, and the Napa River floodplain that gradually slopes northeast towards the river. Short grasses covered most of the site area, limiting visibility. The site is in fair condition with impacts including road construction and maintenance, [redacted] pedestrian traffic, bioturbation, alluvial erosion, and colluvial erosion.

Project activity at VT-04 is expected to include minimal excavation and scarification to prepare for installing the trail, because raising the grade elevation would result in drainage challenges. Design changes are currently being considered to elevate the trail above grade to avoid excavation into the subgrade.

Site VT-05

Prehistoric site VT-05 is a sparse lithic scatter measuring 102 meters (NNE/SSW) by 10 meters (WNW/ESE). It is located along the north [redacted]. The site comprises 26 pieces of obsidian debitage, including early and late biface thinning flakes, pressure

flakes, and angular shatter. Surface visibility was limited; some portions of the site were covered by short grasses, but the tilled path adjacent to the vineyard provided better visibility. The site is in poor condition and has been impacted by the construction and maintenance [redacted], the [redacted], and a drainage ditch; planting and maintenance of grape vines and sycamore trees; bioturbation; alluvial erosion; and colluvial erosion. [redacted] P-28-000446 [CA-NAP-563]).

Project activity at VT-05 is expected to include excavation of up to one foot in depth to install retaining walls along the western portion of the site, as well as filling behind said walls. In addition, a freespan bridge is [redacted] to the southwest of the site. Design changes are currently being considered to elevate the trail above grade to avoid excavation into the subgrade.

Site VT-06

Prehistoric site VT-06 is a sparse lithic scatter measuring 155 meters (WNW/ESE) by 12 meters (SSW/NNE). It comprises one obsidian biface (A-01) and 16 pieces of obsidian debitage, including one primary flake, one early biface reduction flake, three late biface reduction flakes, six flake fragments, one pressure flake, and two pieces of angular shatter. It is located behind a warehouse in [redacted] and an unnamed tributary. The tributary appears as depicted in a natural alignment as late as the 1945 USGS 15-minute Calistoga topographic quadrangle. The site sits within a transitional zone between the foothills of the Mayacamas Mountains, characterized by Oak woodlands, and the Napa River floodplain that gradually slopes northeast towards the river. Ground surface visibility was limited (~30%) due to inundation, with water also collecting in deep wheel ruts. Worked pieces of obsidian were observed in visible areas from the back wall of the warehouse to the tall grass at the edge of the field, which also marked the edge of the survey area. The site is in poor condition with impacts from vehicle traffic, brush disposal, and inundation.

Project activity at VT-06 is expected to include levelling and stabilization of the ground surface to address drainage challenges. Design changes are currently being considered to elevate the trail above grade to avoid excavation into the subgrade.

5.1.2 Previously Recorded Archaeological Sites in the Survey Area

P-28-000062 (CA-NAP-58/H)

CA-NAP-58/H was originally recorded by D.T. Davis in 1947 as a mound west of the valley floor. In a 1975 record for a site initially enumerated as CA-NAP-325/H (P-28-000237), F.A. Riddell observed a 100-meter-diameter prehistoric occupation site to the south of CA-NAP-58/H (P-28-000062) with obsidian projectile points and flakes, some of which was destroyed by the installation of a trailer area. In 1976, Y. Beard recorded the remains of a midden site [redacted] Beard was not permitted to investigate the perimeter of the site, but the property owner told Beard about artifacts that had been collected from the property and other nearby properties for years; the property in question has since been incorporated into the State Park.

In 1977, D.A. Bell recorded a 100-meter-by-200-meter midden site on [redacted] with numerous stone tools, bones, and fire affected rocks. Bell noted disturbances from pothunting, dirt roads, and agriculture over the years. A May 1995 update by B. Parkman and B. Stillman recorded a prehistoric occupation site 100 meters by 100 meters, overlain with historic structures. In October 1995 J.C. Watford recorded a domestic refuse scatter, initially designated P-28-000766. A 2005 update by R. Douglass documented eighteen historic period features, including buildings, building slabs, fences, and walls. Douglass also recommended subsuming CA-NAP-

325/H (P-28-000237) and P-28-000766 into CA-NAP-58/H. The NWIC combined the records in 2007. Two excavations have been conducted by Bell (1977) and Santa Rosa Junior College, in 2006, were conducted at the resource but where not fully reported on. Investigations by Far Western Anthropological Group have recently been completed for the [redacted] The report is forthcoming and will include an analysis of the Bell and Santa Rosa Junior College collections (Eric Wohlgemuth personal communication). Bell's excavation was most likely within or near to the existing trail. Parkman (2006) reported the Santa Rosa Junior College excavation was located near the Park office and Visitor Center.

On March 10, 2020, personnel from Pacific Legacy and California State Parks conducted an intensive surface survey on both sides of the [redacted], as well as [redacted]. Ground surface visibility was excellent (100%) in the trail, but limited (5%) outside of the trail, due to vegetation, duff, and poison oak. Trowels and boot scrapes were employed to improve surface visibility in areas of dense leaf litter. Five pieces of obsidian debitage were encountered [redacted].

The proposed Vine Trail will follow the existing park day use road within P-28-000062 and no improvements are proposed. Work would be limited to striping on the existing roadway. Signage which would require excavation into the subgrade would not be installed within 50 feet of this resource boundary. Currently, a portion of the site located outside of the Vine Trail APE is being evaluated for NRHP eligibility. Results to-date indicate the resource will be recommended eligible for the NRHP.

P-28-000240 (CA-NAP-328/H)

P-28-000240 was originally recorded in 1974 by Olsen and Riddell as an area of dark soil with "obsidian chips." In 1977, Sampson and Cooley-Reynolds recorded the site as an obsidian flake scatter with numerous artifacts washing out of the [redacted]. Pape and Thompson updated the P-28-000240 record in 1992, describing the site as a midden with a lithic scatter and four obsidian bifaces. They noted lithics on the [redacted], which may refer to material recorded as P-28-000503 (CA-NAP-625/H). Douglass visited the site in 2005 within the Caltrans right-of-way and confirmed its condition was similar to the 1992 recording. -Sherlock's (2016) recording noted two large piles of midden with lithics had been graded within the Caltrans right-of-way adjacent to a vineyard. The site boundary was modified by NWIC staff in 2016 to incorporate a portion of the resource [redacted]. In addition to the prehistoric component, the site includes the remains [redacted]. The resource has been the subject of at least two investigations by State Parks personnel in the 1970's and 1980's two conducted by the Anthropological Studies Center (ASC) in 1988 and 2000. Excavations were also conducted by Far Western Anthropological Group in 2017 (Wohlgemuth 2018) for a proposed PG&E project. The State Parks excavations and one by Sonoma State focused on the area around [redacted]. The 2000 excavations by the ASC (Fearneau et al. 2000) and Woghlemuth (2018) were conducted primarily along the west side of SR 29 and along a service line to the granary and [redacted] Wohlgemuth concluded that site most likely dated to the Archaic Period as evidenced by obsidian hydration readings obtained from obsidian artifacts. He was also able to distinguish differing artifact densities between the northern and southern portions of the site. In the area north of a small swale (now channeled and culverted) debitage and formed flake tools were much higher than in the southern portion. Still, however, the southern had a substantial artifact yield. Several recordings note the likelihood that P-28-000240 and P-28-000503 are associated. The

resource was recommended eligible for the NRHP and received SHPO concurrence in 2004 (cf. SHPO letter in Exhibit 4).

Pacific Legacy visited P-28-000240 and found a dense lithic scatter alongside and [redacted] d. Sherlock noted two piles of lithic-rich midden soil that had been graded from the vineyard and left between the vineyard and the road. The dense lithic scatter is located where the piles were noted, though no piles are present today.

Surface artifactual material observed during this study included a projectile point, three bifaces, and hundreds of flakes. Flake types of varying reduction stages are present, from larger primary flakes to small pressure flakes. The projectile point appears to be a Mayacmas corner notched point, which roughly corresponds to the late archaic period (Justice 2002). The scatter extends further north than previously recorded, and the site boundary has been updated to reflect this. The site still measures 305 meters (N/S) by 168 meters (E/W), though the site area is now 9.09 acres (previously 8.90 acres).

Project activity at P-28-000240 is expected to occur largely at vineyard grade-level and the design changes would avoid excavation at this site. The trail would be constructed on fill within the existing roadway footprint or on fill if outside of the roadway footprint. The drainpipe would be within an existing flow line.

P-28-000446 (CA-NAP-563)

P-28-000466 was originally recorded by Foster in 1979 as a lithic scatter of obsidian tools and debitage. Foster reported numerous projectile points, "obsidian chips" and fragments, and oyster shells present on the surface, as [redacted]. Foster also photographed the landowner's collection of more than 100 projectile points she collected from the site over more than 20 years of agricultural cultivation.

No cultural material was observed during the 2019 field inventory. The portion of the site within the survey area has been obliterated by the development of the road grade approaching the bridge over the river. The surface visibility was low as most of the survey area was paved.

Project activity near P-28-000446 is expected to entail excavation and installation of retaining walls [redacted]. A freespan bridge over the [redacted] With redesign this site can be avoided. The project elements and work area do not intersect the resources boundary as currently identified. Construction work will be limited to the property line so work can be confined to outside of the current boundaries.

P-28-000454 (CA-NAP-571/H)

Multicomponent site P-28-000454 has been described as a prehistoric lithic scatter and historic period debris scatter. The site measures 366 meters (WNW/ESE) by 270 meters (SSW/NNE), spanning [redacted].

P-28-000454 was originally recorded by Flynn and Roop in 1980 as a midden area with a scatter of basalt and obsidian tools and debitage. In 1992, Pape and Thompson described the lithic scatter as diffuse but concentrated in an area outside of the 1980 site boundary; they could not confirm the

presence of a midden deposit. In 1997, Gary recorded a sparse obsidian scatter along with a scatter of historic period glass and ceramic debris; this resource was initially designated as P-28-000812. Douglass reported on a 2005 survey that was limited to the SR 29 right-of-way, and thus only encountered a sparse lithic scatter consistent with Pape and Thompson's 1992 recording (Gary's 1997 historic period debris scatter was outside the right-of-way). Douglass also noted that P-28-000454 and P-28-000812 were indeed the same site and recommended combining the records. The NWIC subsumed P-28-000812 into P-28-000454 in 2007.

In 1999, Ferneau (1999) conducted test excavations on [redacted] Ferneau (1999:9–10) concluded that this portion of NAP-571 did not appear eligible to the California Register, but the rest of the site remained unevaluated. For a subsequent project in 2000, Ferneau et al. (2000:39–40) conducted an intensive surface survey immediately east of SR 29 and chose not to excavate at the location due to the highly disturbed and very diffuse nature of the flake scatter. The replacement of a PG&E regulator replacement west of SR 29 was monitored and no debitage was observed. A single formed flake tool and split cobble, both of obsidian were noted (Higgins 2017). In 2017, Wolhgemuth (2018) conducted both an Extended Phase I and Phase II excavations for a PG&E gas line and regulator replacement project. Units were excavated primarily on the [redacted]. [redacted]. In 2004, the site was considered not eligible for NRHP (cf. Appendix 4) for the SR 29 Biological Mitigation Parcel (cd. SHPO letter in Exhibit 4). Wohlgemuth (2018) also recommended the site was not eligible for the NRHP however, no excavations were conducted on that portion that [redacted].

During the 2019 field inventory no cultural material was observed [redacted]. During the March 2020 inventory, no cultural materials were observed on the trail within [redacted]; however visibility was limited by dense vegetation and poison oak along the sides of the trail. At least 30 obsidian flakes were observed in the C[redacted].

The proposed trail will be constructed within an area previously inspected along the SR 29 right-of way. This portion of the resources has been determined ineligible for the NRHP. The bike trail will crossover [redacted]P. Plans are currently being redesigned to have minimal impact to that portion of the site within BNSVP.

P-28-000503 (CA-NAP-625/H)

Multicomponent site P-28-000503 is a prehistoric midden with a lithic scatter and historic period debris scatter to [redacted].

P-28-000503 was first recorded in 1981 by Hunt and Ramiller as a dark midden deposit with dispersed obsidian artifacts and historic period ceramic and glass fragments. They identified three loci or concentrations of artifacts. Locus A was recorded as dark midden with clam shell, obsidian debitage, stone tools, and a historic period debris component. Loci B and C were undisturbed obsidian flake scatters. Douglass revisited the portion of the site within the Caltrans right-of-way in 2005, noting that entryway construction along SR 29 had impacted the site. Additionally, Douglass noted that the [redacted](P-28-000240 [CA-NAP-328/H]) [redacted].

Design plans are currently being considered to avoid that portion of the resource within APE. This may not be feasible. The western boundary of the site is currently unknown.

Pacific Legacy visited P-28-000503 and identified additional lithic material [redacted] A unifacial obsidian tool and 48 pieces of obsidian debitage were observed between an olive orchard and SR 29. The debitage included secondary flakes, interior percussion flakes, biface thinning flakes, pressure flakes, flake fragments, and possible cultural shatter. These flakes were noted in tilled soil and may represent a subsurface component of the site. Natural obsidian nodules and shatter were noted further south along the vineyard. The scatter may continue east into the orchard, outside of the Project survey area. Given the limitations of the previous records, it is uncertain if this density of debitage reflects the density of the overall scatter or that of Locus C only. A single obsidian flake was noted where Douglass described impacts to the site from entryway construction. The site boundary has been expanded to incorporate the extents of the lithic scatter identified during the survey. It now measures 350 meters (E/W) by 235 meters (N/S).

P-28-000560 (CA-NAP-683)

P-28-000560 is a prehistoric sparse lithic scatter of one quartzite and five obsidian flakes located in a picnic area within BNVSP, measuring 50 meters (E/W) by 15 meters (N/S). The site was originally recorded by E.B. Parkman in 1983 who described the site as buried and only visible in rodent back dirt piles. Parkman suspected that the size and complexity of the site might be greater than what he encountered.

The March 2020 survey conducted by personnel from Pacific Legacy and California State Parks, [redacted] ad, as well as the picnic area where Parkman mapped the lithic scatter. Visibility within the picnic area was limited to rodent burrows due to duff from the surrounding trees; trowels and boot scrapes were employed to improve surface visibility. Three pieces of obsidian (two pieces of shatter and a possible spent core) were observed in the parking area on the north side of the park road, which was outside of the boundary drawn in the site record but within the shapefile provided by the NWIC. It is unclear if the obsidian pieces observed during the 2020 survey are road shatter associated with the parking area or represent an enlarged site area.

The proposed trail will follow the [redacted] through this site and no improvements are planned.

P-28-000923 (CA-NAP-360/H)

Multicomponent site P-28-000923 comprises a prehistoric midden with a lithic scatter and a historic period debris scatter and building foundations. [redacted]

P-28-000923 was originally recorded by Beard in 1973 as a midden area with "obsidian chips." A 1977 update from Beard expanded the site to contain a cluster of midden areas with obsidian. In 1992, Pape and Thompson documented midden soil with obsidian artifacts and flakes, in addition to a vacant, deteriorating 19th-century farmhouse with associated outbuildings. In 2002, Bedolla and Zavala observed obsidian flake scatters but no midden in the western portion of the site that they surveyed. In 2005, Douglass reported that the derelict farmhouse buildings had been demolished and removed from the site, though some foundation elements remained. In 2017, Younie et al. reported on testing and evaluation of an area of the site immediately east of SR 29, which yielded

prehistoric, historic period, and modern material but did not constitute a significant enough portion of the site to form the basis of a recommendation of eligibility. In 2018, Mora and Lippel reported on the monitoring of grading and trenching to install a pipe immediately east of the highway. They noted that no intact site constituents were encountered during excavations that ranged from four to nine feet in depth; ten prehistoric artifacts encountered in previously disturbed soils were reburied within the work limits before the completion of the project. Design plans are currently being considered to avoid that portion of the resource within APE. This may not be feasible.

No cultural material was found within the site boundary during the December field inventory. It seems that the work monitored by Mora and Lippel resulted in the removal of a surface expression of the site from within the survey area.

P-28-000951 (CA-NAP-831)

Site P-28-000951 is a prehistoric lithic scatter. [redacted]

P-28-000951 was first recorded by Pape and Thompson in 1992 as a large, sparse lithic scatter of obsidian flakes and a few artifacts against a background of considerable natural obsidian. Ferneau et al.'s (2000) test excavations within the SR 29 right-of-way indicated the site was site was heavily disturbed and contained only limited amounts of debitage. They recommended the site was not eligible for the NRHP and received SHPO concurrence in 2002 (cf. SHPO letter in Exhibit 4). An update from Douglass in 2005 noted that the site boundary had been extended substantially to the south as a result of a Caltrans project (Dowdall 2000), but the extension had not been recorded. In 2013, Hallock and Andolina reported on two auger cores undertaken to the south of SR 29 to determine the subsurface components of P-28-000951 in association with a proposed PG&E utility pole replacement project; both auger cores were negative for cultural materials, and both were terminated at a depth of 45 centimeters. The proposed trail would be located on the east side of SR 29 near an area previously tested.

No cultural material was observed within the survey area during the December 2019 field inventory, though natural obsidian nodules were present across and beyond the site boundary. Ground surface visibility was approximately 60% due to dense, low grasses.

P-28-000952 (CA-NAP-832)

P-28-000952 is a sparse prehistoric lithic scatter. [redacted]

P-28-000952 was originally recorded in 1992 by Pape and Thompson as a diffuse obsidian scatter against a background of natural obsidian. [redacted] not eligible for listing in the NRHP; no mention was made of the prehistoric site. Ferneau et al.'s (2000) test excavations within the SR 29 right-of-way indicated the site was site was heavily disturbed and contained only limited amounts of debitage. They recommended the site was not eligible for the NRHP and received SHPO concurrence. A 2005 update from Douglass noted that a new house and driveway had been constructed [redacted]. Douglass noted that both house and driveway likely required excavations, and that the driveway in particular may have impinged on an unrecorded railway grade, which corresponds to a curved line of poplars and oleanders. In 2013, Hallock and Andolina excavated a 50-centimeter square shovel test unit to a depth of 40 centimeters

in association with a proposed PG&E anchor installation. Three obsidian flakes were found in the loam and clay loam of the first 30 centimeters. Hallock and Andolina excavated an additional 30 centimeters with a hand auger until a rock was encountered at a depth of 70 centimeters, and no further artifacts were found in the compact, wet clay. The proposed trail would be located on the east side of SR 29 near the area previously examined. The resource has been determined not eligible for the NRHP with SHPO concurrence in 2002 (cf. SHPO letter in Exhibit 4).

Both shoulders of SR 29, as well as along the route corresponding to the unrecorded railway grade noted by Douglass (2005), were included in the December 2019 field inventory. One obsidian biface [redacted] No other cultural material was observed. Ground surface visibility varied, as portions of the survey area were paved (0% visibility) while others were within vineyards (60% visibility) or within the vegetated railroad grade (30% visibility).

P-28-001287 (CA-NAP-1016/H)

Multicomponent site P-28-001287 comprises a sparse lithic scatter, a reported rock art boulder, a historic period cemetery, and the foundation stones of [redacted]. The site measures 170 meters (N/S) by 110 meters (E/W) [redacted].

P-28-001287 was originally recorded in 2005 by E.T. Jones, who documented the presence of foundation stones and commemorative marker associated with the Asa White Church, a mysterious grooved rock, and at least 60 graves. A 2018 update from M. Fukui and D. Jackson also documented the foundation stones and commemorative marker, the graves, and historic road alignments. Fukui and Jackson also recorded the presence of an obsidian lithic scatter. was observed at the site, neither completed tools nor distinct concentrations of lithic debitage were noted.

Several pieces of obsidian were observed in the partially paved path during the March 2020 survey conducted by personnel from Pacific Legacy and California State Parks. No historic artifacts or features were observed in the survey area, which was limited to the area around the path nearest to SR 29. Visibility in unpaved areas was excellent (100%) in the path alignment but limited (0-5%) outside of the path, due to vegetation and poison oak. The survey area did not include any of the historic features of P-28-001287.

The proposed trail will follow an historic road alignment through the site to the property boundary with Cal Fire. The trail will be constructed using above ground fill and will not require any ground disturbance from where it leaves the paved Day Use Road to the adjoining property.

P-28-002528

P-28-002528 was originally recorded by W.T. Grummer in 1986 as a one-story wood frame residential structure dating to the 1940s, with associated porches and storage shed.

Personnel from Pacific Legacy and California State Parks visited the site of P-28-002528 in March 2020 and conducted an intensive surface survey on both sides of the Day Use Road. No structure remains at the site, and no cultural material was observed during the survey. Visibility was limited (5%) due to duff and copious poison oak. The trail alignment as proposed passes through this site and some fill would be required to bring the trail grade to standards.

5.2 CONCLUSIONS

Fifteen archaeological sites were identified and recorded during the field inventory of the survey area. Four sites were newly identified and recorded, and eleven previously recorded sites were revisited and recorded. One previously recorded site (P-28-000062) is currently being evaluated for eligibility for listing in the NRHP and CRHR: Caltrans has recommended a finding of eligibility, pending SHPO concurrence. One site (P-28-000240) has been determined eligible for listing in the NRHP and CRHR. Six sites (P-28-000446, P-28-000503, P-28-000560, P-28-000923, P-28-001287, and P-28-002528) have not been evaluated for listing in the NRHP and CRHR. Three sites (P-28-000454, P-28-000951, and P-28-000952) have been determined not eligible for listing in the NRHP. The four newly identified sites (VT-03, VT-04, VT-05, and VT-06) are sparse prehistoric lithic scatters that may have subsurface components. New and updated DPR 523 forms have been prepared to document the field inventory results (Exhibit 4).

It is Caltrans' policy to avoid cultural resources whenever possible. Further investigations may be needed if the resources within the APE cannot be avoided by the Project. If buried cultural materials are encountered during construction, it is Caltrans' policy that work stop in that area until a qualified archaeologist can evaluate the nature and significance of the find. Additional survey will be required if the Project changes to include areas not previously surveyed.

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2017b Site Record for P-28-000923 (CA-NAP-360/H). On file at the Northwest Information Center, Sonoma State University, Rohnert Park, California.

EXHIBIT 1. PROJECT MAPS (CONFIDENTIAL)

EXHIBIT 2: ARCHIVAL AND RECORDS SEARCH

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM

ALAMEDA
COLUSA
CONTRA COSTA
DEL NORTE
HUMBOLDT
LAKE
MARIN
MENDOCINO
MONTEREY
NAPA
SAN BENITO
SAN FRANCISCO
SAN MATEO
SANTA CLATA
SANTA CRUZ
SOLANO
SONOMA
YOLO

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11/20/2019 NWIC File No.: 19-0707

Lisa Holm
Pacific Legacy, Inc.
900 Modoc Street
Berkeley, CA 94707

re: 3576-01 Vine Trail

The Northwest Information Center received your record search request for the project area referenced above, located on the Calistoga & St. Helena USGS 7.5' quads. The following reflects the results of the records search for the project area and a 0.25 mile radius:

Resources within project area:	P-28-000062, 000240, 000454, 000503, 000560, 000923, 000951, 000952, 000958, 000959, 000966, 001440, 001449, 001547, 001705, & 002528.
Resources within 0.25 mile radius:	See enclosed database spreadsheet & shapefiles.
Reports within project area:	See enclose database spreadsheet & shapefiles.
Reports within 0.25 mile radius:	See enclosed database spreadsheet & shapefiles.

Resource Database Printout (list):	☐ enclosed	☒ not requested	☐ nothing listed
Resource Database Printout (details):	☐ enclosed	☒ not requested	☐ nothing listed
Resource Digital Database Records:	☒ enclosed	☐ not requested	☐ nothing listed
Report Database Printout (list):	☐ enclosed	☒ not requested	☐ nothing listed
Report Database Printout (details):	☐ enclosed	☒ not requested	☐ nothing listed
Report Digital Database Records:	☒ enclosed	☐ not requested	☐ nothing listed
Resource Record Copies:	☒ enclosed	☐ not requested	☐ nothing listed
Report Copies:	☐ enclosed	☐ not requested	☐ nothing listed
OHP Historic Properties Directory:	☒ enclosed	☐ not requested	☐ nothing listed
Archaeological Determinations of Eligibility:	☒ enclosed	☐ not requested	☐ nothing listed
CA Inventory of Historic Resources (1976):	☒ enclosed	☐ not requested	☐ nothing listed
Caltrans Bridge Survey:	☐ enclosed	☒ not requested	☐ nothing listed
Ethnographic Information:	☐ enclosed	☒ not requested	☐ nothing listed
Historical Literature:	☐ enclosed	☒ not requested	☐ nothing listed
Historical Maps:	☐ enclosed	☒ not requested	☐ nothing listed
Local Inventories:	☒ enclosed	☐ not requested	☐ nothing listed

GLO and/or Rancho Plat Maps: ☐ enclosed ☒ not requested ☐ nothing listed
Shipwreck Inventory: ☐ enclosed ☒ not requested ☐ nothing listed

*Notes:
** Current versions of these resources are available on-line:
Caltrans Bridge Survey: http://www.dot.ca.gov/hq/structur/strmaint/historic.htm
Soil Survey: http://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/?stateId=CA
Shipwreck Inventory: http://www.slc.ca.gov/Info/Shipwrecks.html
Let us know if you need additional copies. The invoice will be kept open until 11/27/19.

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System (CHRIS).

Sincerely,

Lisa C. Hagel
Researcher

EXHIBIT 3. NAHC CONSULTATION

NAPA VALLEY TRANSPORTATION AUTHORITY

November 20, 2019

Mr. Charlie Wright, Chairperson
Cortina Rancheria – Kletsel Dehe Band of Wintun Indians
P.O. Box 1630
Williams, CA 95987

RE: Napa Valley Vine Trail Project, Calistoga to St. Helena Trail Segment.

Dear Mr. Wright,

The Napa Valley Transportation Authority (NVTA) is preparing an CEQA environmental document for the St. Helena to Calistoga segment of the Napa Valley Vine Trail Project. Consistent with Assembly Bill 52 (AB 52), which amends the California Environmental Quality Act (CEQA) and pursuant to Public Resources Code § 21080.3.1, this letter serves as formal notification of consultation under AB 52. Please find below a description of the proposed Project, a figure showing the Project location, and the name of the Project point of contact. This letter serves as formal notification of consultation under AB 52.

Project Location
The Napa Valley Vine Trail is envisioned as a 47-mile Class 1 mixed-use path for pedestrians and cyclists that will run the length of the Napa Valley (Calistoga to American Canyon) and connect to the Vallejo Ferry Terminal in Vallejo, California. The proposed Project is depicted on the Calistoga and St. Helena, CA. 7.5-minute USGS quadrangles (see attached Figure 1) for the St. Helena to Calistoga segment. The St. Helena to Calistoga segment is approximately 8.1 miles long and will include approximately 7 miles of new construction. The southern end of the project begins on Pratt Avenue in St. Helena and extends northerly along State Highway 29 to Dunaweal Lane near Calistoga (6.1 miles). This segment will then tie into an existing Calistoga bike path from Dunaweal Lane northly along Washington Street to Fair Way (1 mile). The Fair Way Extension is approximately 0.5 miles long and terminates at Lincoln Avenue in Calistoga. Most of the path will be in the public right of way parallel to State Highway 29 on property belonging to or controlled by Caltrans and the State of California (State Parks and CalFire). Portions of the trail will be built on easements provided by adjacent private properties. The bike path will be approximately 14 ft. in width and maximum soil disturbance will be about 3.5 ft. The Area of Potential Effect (APE) is in review, but it is not expected to deviate substantially from the mapped area provided in Figure 1.

Known Cultural Resources. A record search was conducted by for preliminary design of the project for the Napa Valley Vine Trail Coalition from the Northwest Information Center (NWIC). The record search noted ten resources between Bale Lane and Pratt Avenue. Of those, five are archaeological sites. Three are multi-component (historic period and prehistoric) and two are prehistoric. There are also five built environment resources, including two rock walls, one historic period cemetery, an elm tree tunnel, and buildings associated with the Napa Valley Railroad. Pacific Legacy, our cultural resources contractor, is conducting a supplementary record search at the NWIC and expects to receive the results of that search by the end of November.

Pacific Legacy wrote the Native American Heritage Commission on November 4, 2019 requesting a Sacred Lands Inventory review. A reply was received on November 12, 2019 indicating the results were positive. The NAHC recommended contacting the Mishewal-Wappo Tribe of Alexander Valley for more information.

Due date for Comments. Pursuant to PRC § 21080.3.1 (d), you have 30 days from the receipt of this letter to submit a written request for consultation with the Napa Valley Transportation Authority.

Please send your request to Rebecca Schenck, Principal Planner, NVTA, 625 Burnell Street, Napa, CA., 94559. If you have any questions prior to submitting a written request, please contact Rebecca Schenck, at (707) 259-8638 or by e-mail at

NAPA VALLEY TRANSPORTATION AUTHORITY

RSchenck@nvta.ca.gov. If NVTA does not receive such a request within the specified time period, it will conclude the consultation period and provide written confirmation to you that it has done so.

Respectfully,

Rebecca Schenck
Principal Planner, NVTA

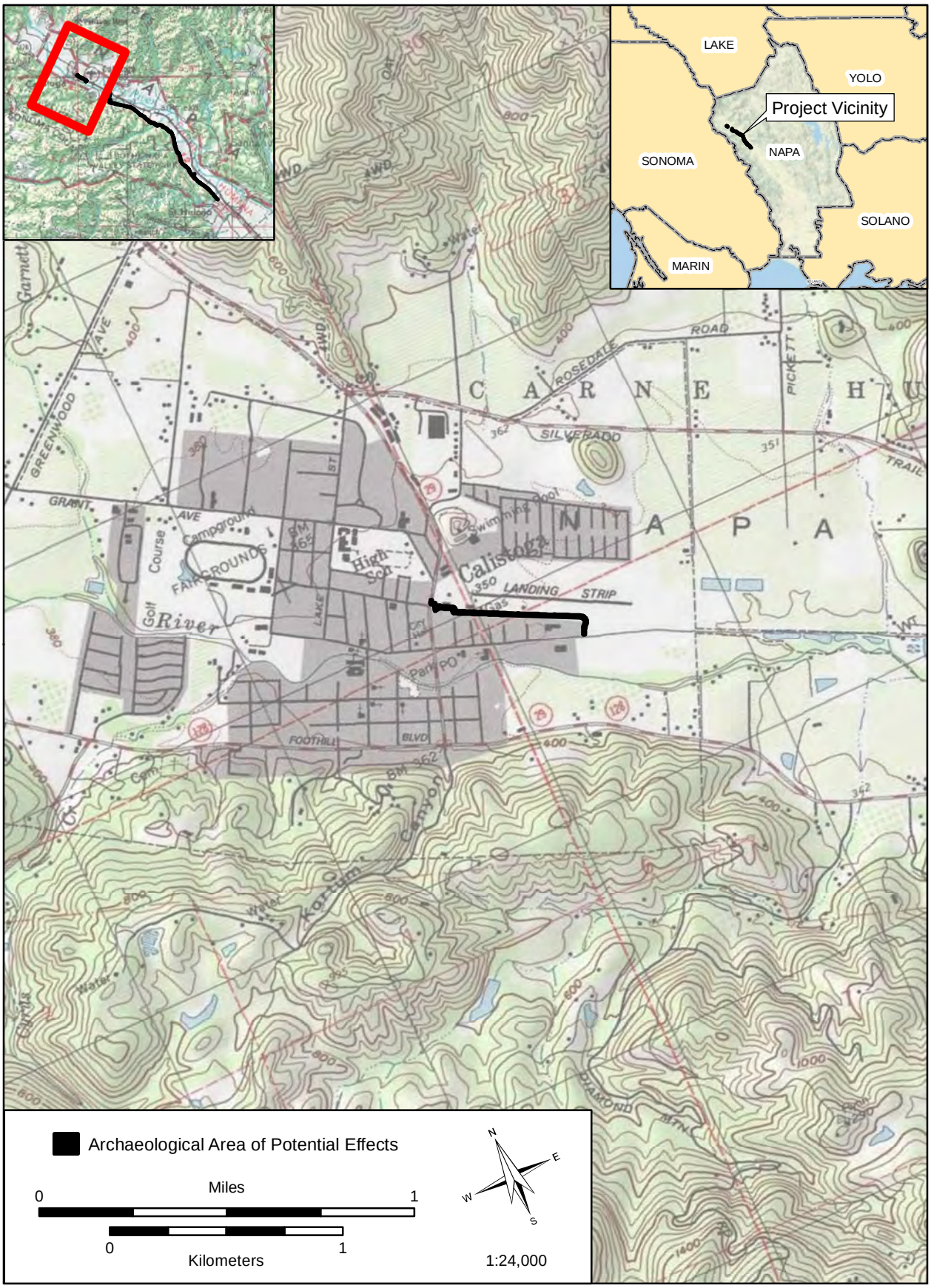

Figure 1. Project Location and Vicinity Map, Page 1 of 2.

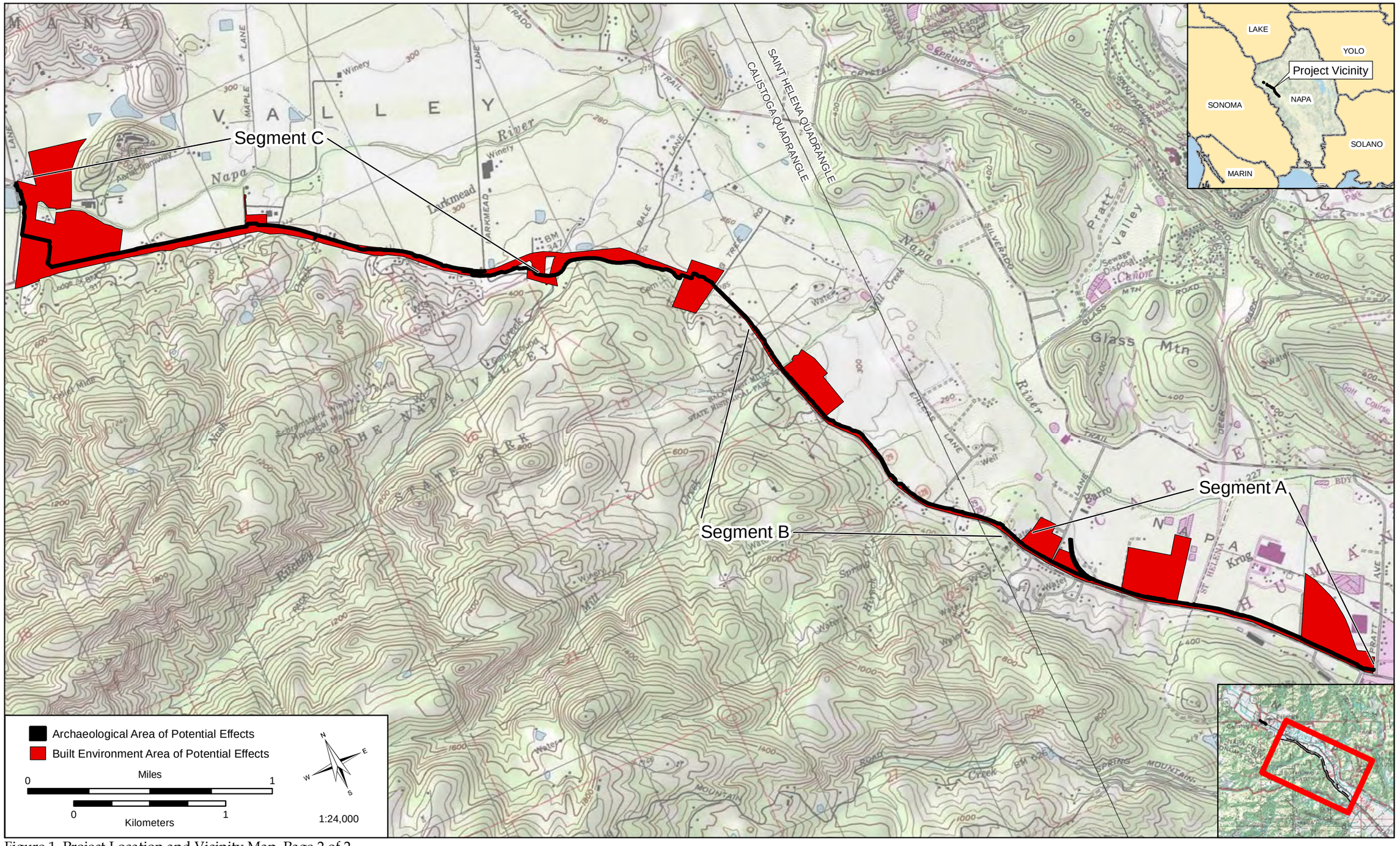

Figure 1. Project Location and Vicinity Map, Page 2 of 2.

NAPA VALLEY TRANSPORTATION AUTHORITY

November 20, 2019

Mr. Jose Simon III, Chairperson
Middletown Rancheria
P.O. 1035
Middletown, CA 95461

RE: Napa Valley Vine Trail Project, Calistoga to St. Helena Trail Segment.

Dear Mr. Simon,

The Napa Valley Transportation Authority (NVTA) is preparing an CEQA environmental document for the St. Helena to Calistoga segment of the Napa Valley Vine Trail Project. Consistent with Assembly Bill 52 (AB 52), which amends the California Environmental Quality Act (CEQA) and pursuant to Public Resources Code § 21080.3.1, this letter serves as formal notification of consultation under AB 52. Please find below a description of the proposed Project, a figure showing the Project location, and the name of the Project point of contact. This letter serves as formal notification of consultation under AB 52.

Project Location
The Napa Valley Vine Trail is envisioned as a 47-mile Class 1 mixed-use path for pedestrians and cyclists that will run the length of the Napa Valley (Calistoga to American Canyon) and connect to the Vallejo Ferry Terminal in Vallejo, California. The proposed Project is depicted on the Calistoga and St. Helena, CA. 7.5-minute USGS quadrangles (see attached Figure 1) for the St. Helena to Calistoga segment. The St. Helena to Calistoga segment is approximately 8.1 miles long and will include approximately 7 miles of new construction. The southern end of the project begins on Pratt Avenue in St. Helena and extends northerly along State Highway 29 to Dunaweal Lane near Calistoga (6.1 miles). This segment will then tie into an existing Calistoga bike path from Dunaweal Lane northly along Washington Street to Fair Way (1 mile). The Fair Way Extension is approximately 0.5 miles long and terminates at Lincoln Avenue in Calistoga. Most of the path will be in the public right of way parallel to State Highway 29 on property belonging to or controlled by Caltrans and the State of California (State Parks and CalFire). Portions of the trail will be built on easements provided by adjacent private properties. The bike path will be approximately 14 ft. in width and maximum soil disturbance will be about 3.5 ft. The Area of Potential Effect (APE) is in review, but it is not expected to deviate substantially from the mapped area provided in Figure 1.

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Due date for Comments. Pursuant to PRC § 21080.3.1 (d), you have 30 days from the receipt of this letter to submit a written request for consultation with the Napa Valley Transportation Authority.

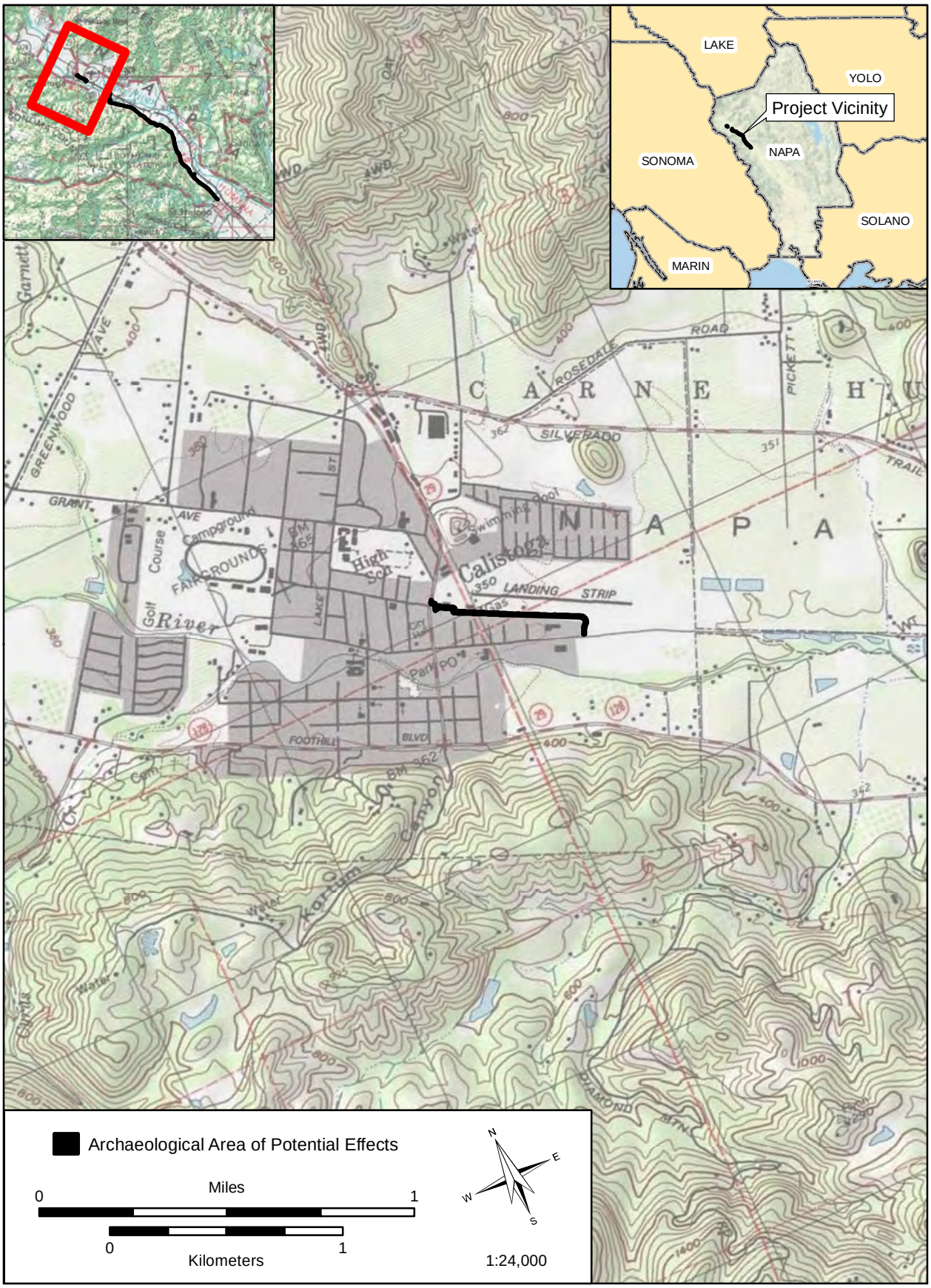
Please send your request to Rebecca Schenck, Principal Planner, NVTA, 625 Burnell Street, Napa, CA., 94559. If you have any questions prior to submitting a written request, please contact Rebecca Schenck, at (707) 259-8638 or by e-mail at

NAPA VALLEY TRANSPORTATION AUTHORITY

RSchenck@nvta.ca.gov. If NVTA does not receive such a request within the specified time period, it will conclude the consultation period and provide written confirmation to you that it has done so.

Respectfully,

Rebecca Schenck
Principal Planner, NVTA



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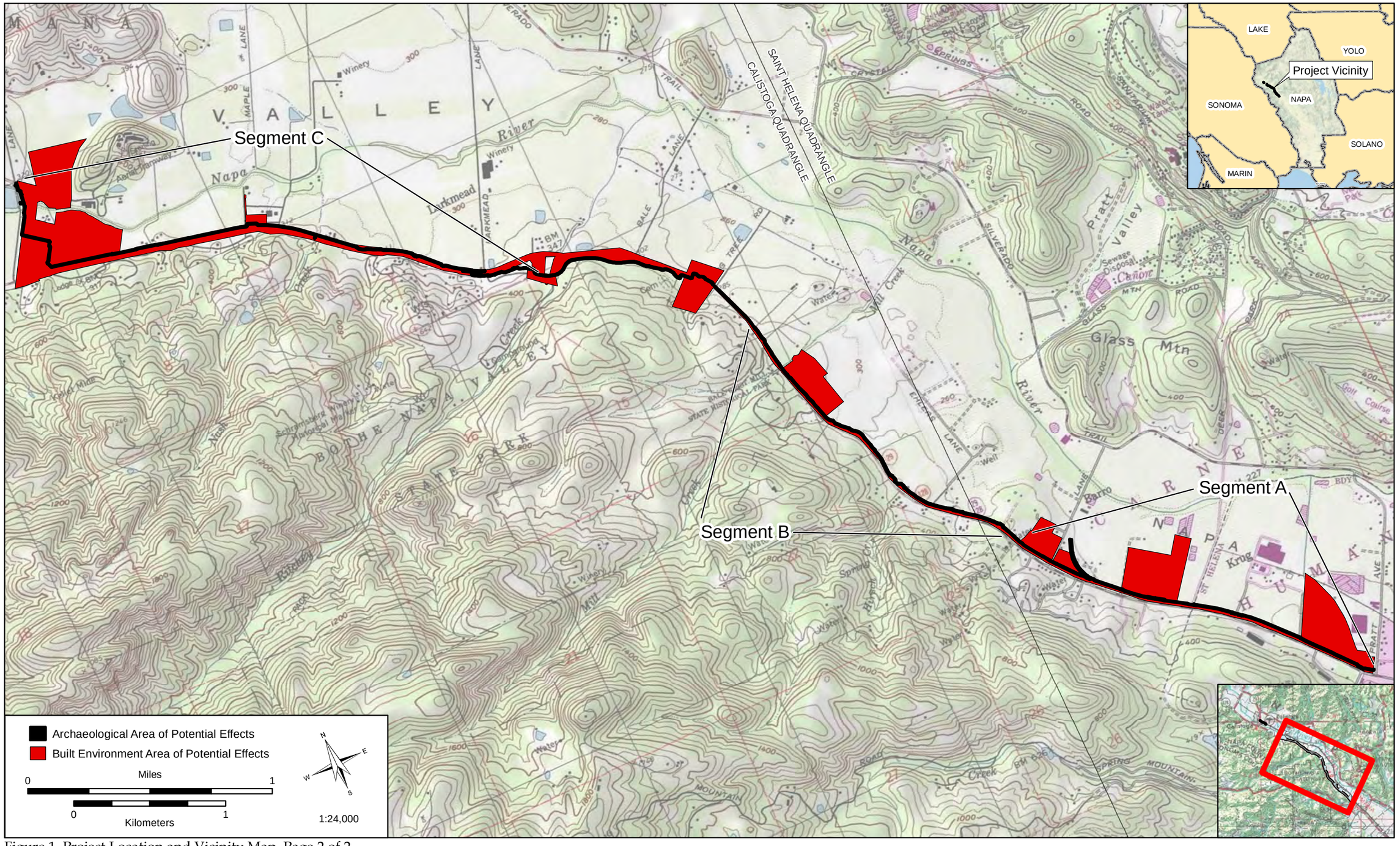

Figure 1. Project Location and Vicinity Map, Page 2 of 2.

NAPA VALLEY TRANSPORTATION AUTHORITY

November 20, 2019

Mr. Scott Gabaldon, Chairperson
Mishewal-Wappo Tribe of Alexander Valley
2275 Silk Road
Windsor, CA 95492

RE: Napa Valley Vine Trail Project, Calistoga to St. Helena Trail Segment.

Dear Mr. Gabaldon,

The Napa Valley Transportation Authority (NVTA) is preparing an CEQA environmental document for the St. Helena to Calistoga segment of the Napa Valley Vine Trail Project. Consistent with Assembly Bill 52 (AB 52), which amends the California Environmental Quality Act (CEQA) and pursuant to Public Resources Code § 21080.3.1, this letter serves as formal notification of consultation under AB 52. Please find below a description of the proposed Project, a figure showing the Project location, and the name of the Project point of contact. This letter serves as formal notification of consultation under AB 52.

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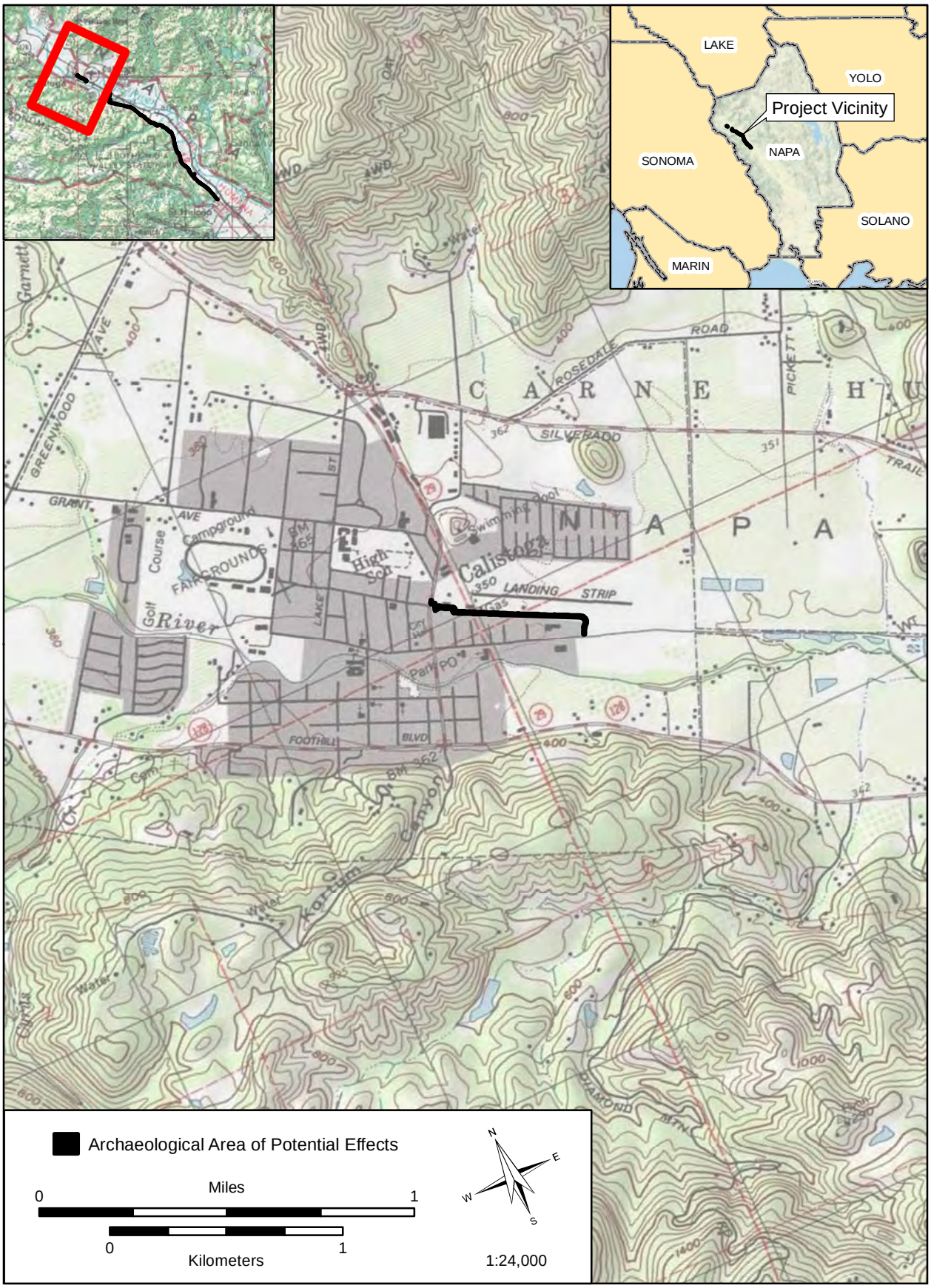
Rebecca Schenck
Principal Planner, NVTA



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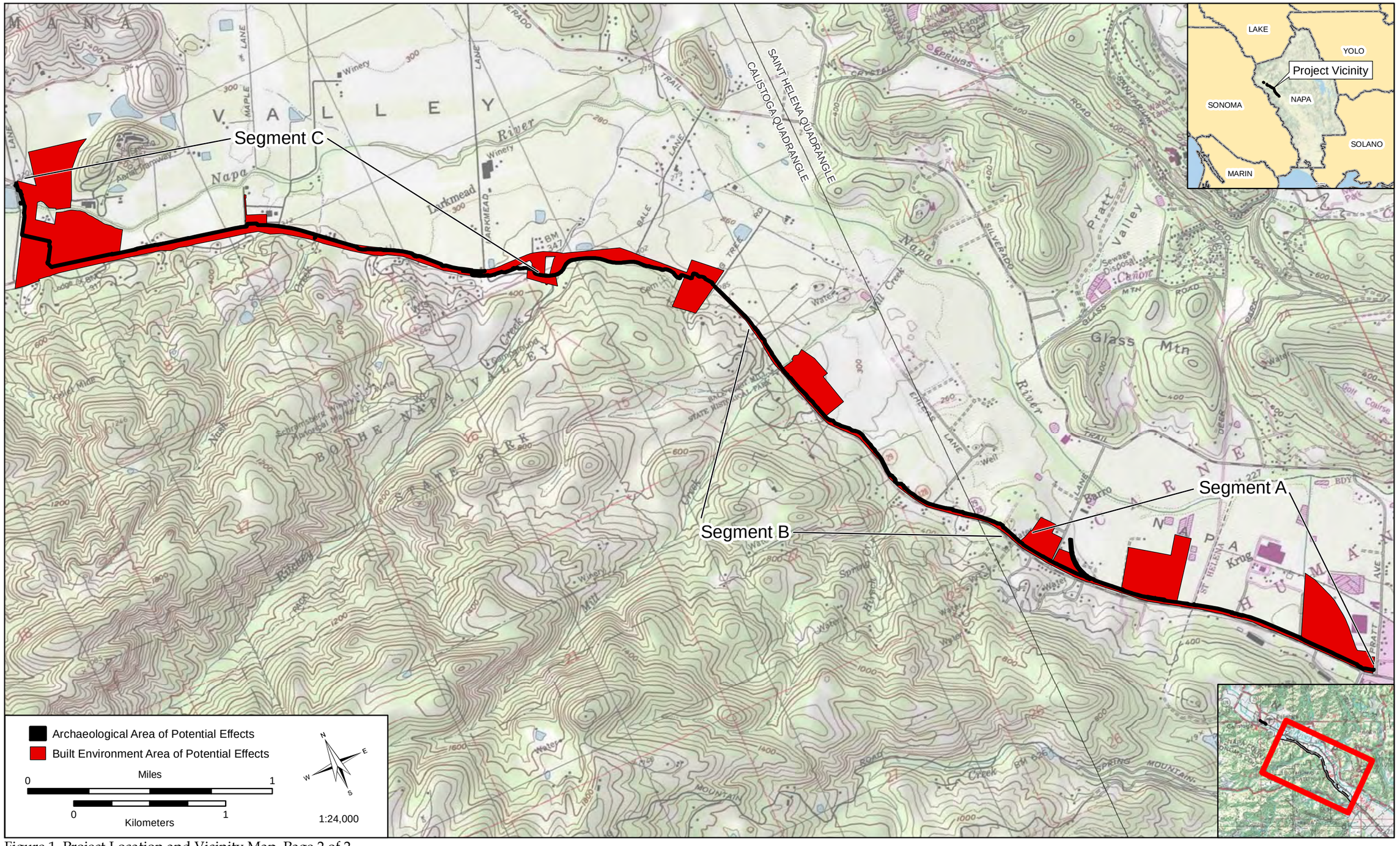

Figure 1. Project Location and Vicinity Map, Page 2 of 2.

NAPA VALLEY TRANSPORTATION AUTHORITY

November 20, 2019

Mr. Anthony Roberts, Chairperson
Yocha Dehe Wintun Nation
P.O. Box 18
Brooks, CA 95606

RE: Napa Valley Vine Trail Project, Calistoga to St. Helena Trail Segment.

Dear Mr. Roberts,

The Napa Valley Transportation Authority (NVTA) is preparing an CEQA environmental document for the St. Helena to Calistoga segment of the Napa Valley Vine Trail Project. Consistent with Assembly Bill 52 (AB 52), which amends the California Environmental Quality Act (CEQA) and pursuant to Public Resources Code § 21080.3.1, this letter serves as formal notification of consultation under AB 52. Please find below a description of the proposed Project, a figure showing the Project location, and the name of the Project point of contact. This letter serves as formal notification of consultation under AB 52.

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NAPA VALLEY TRANSPORTATION AUTHORITY

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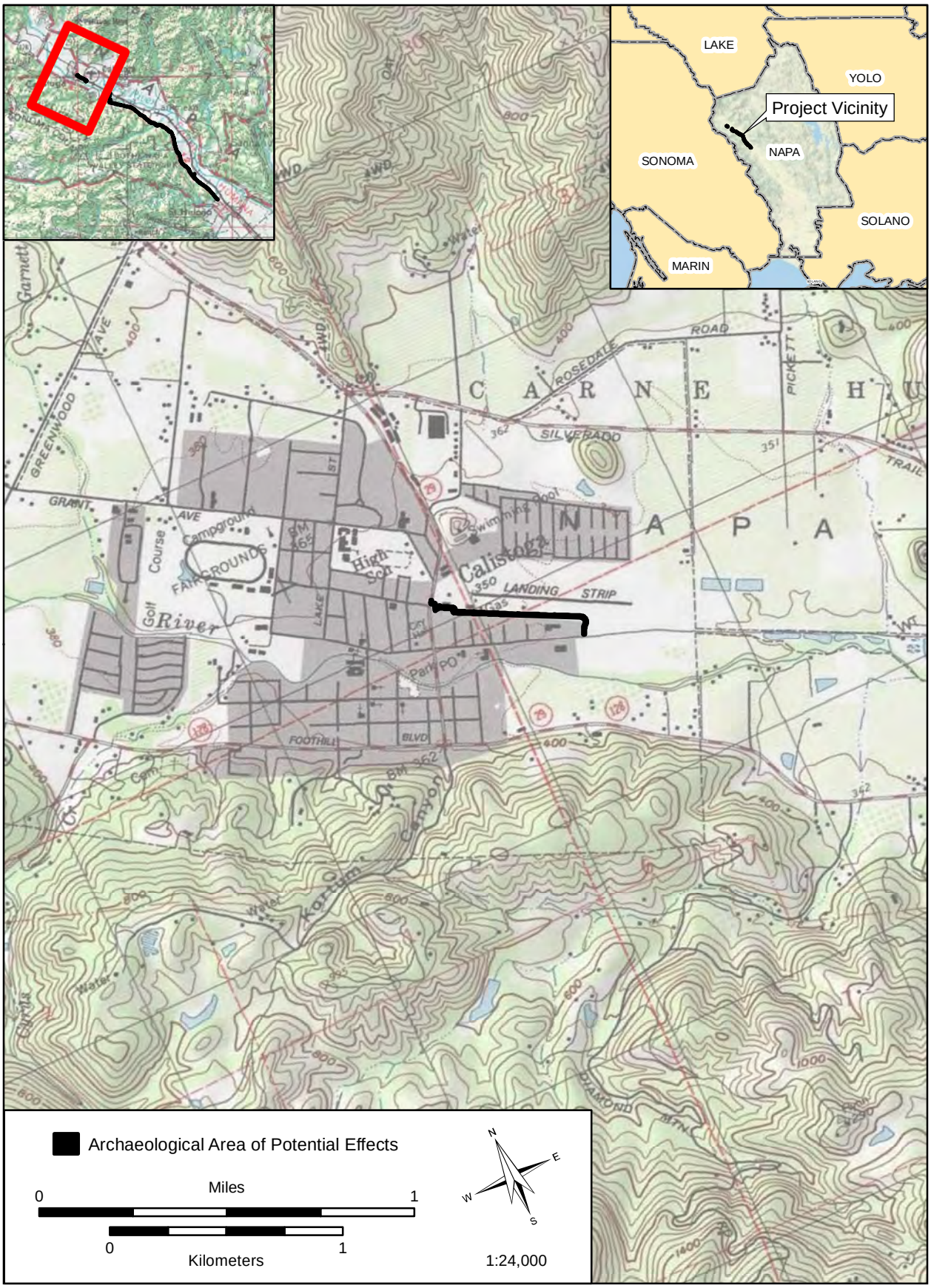
Rebecca Schenck
Principal Planner, NVTA



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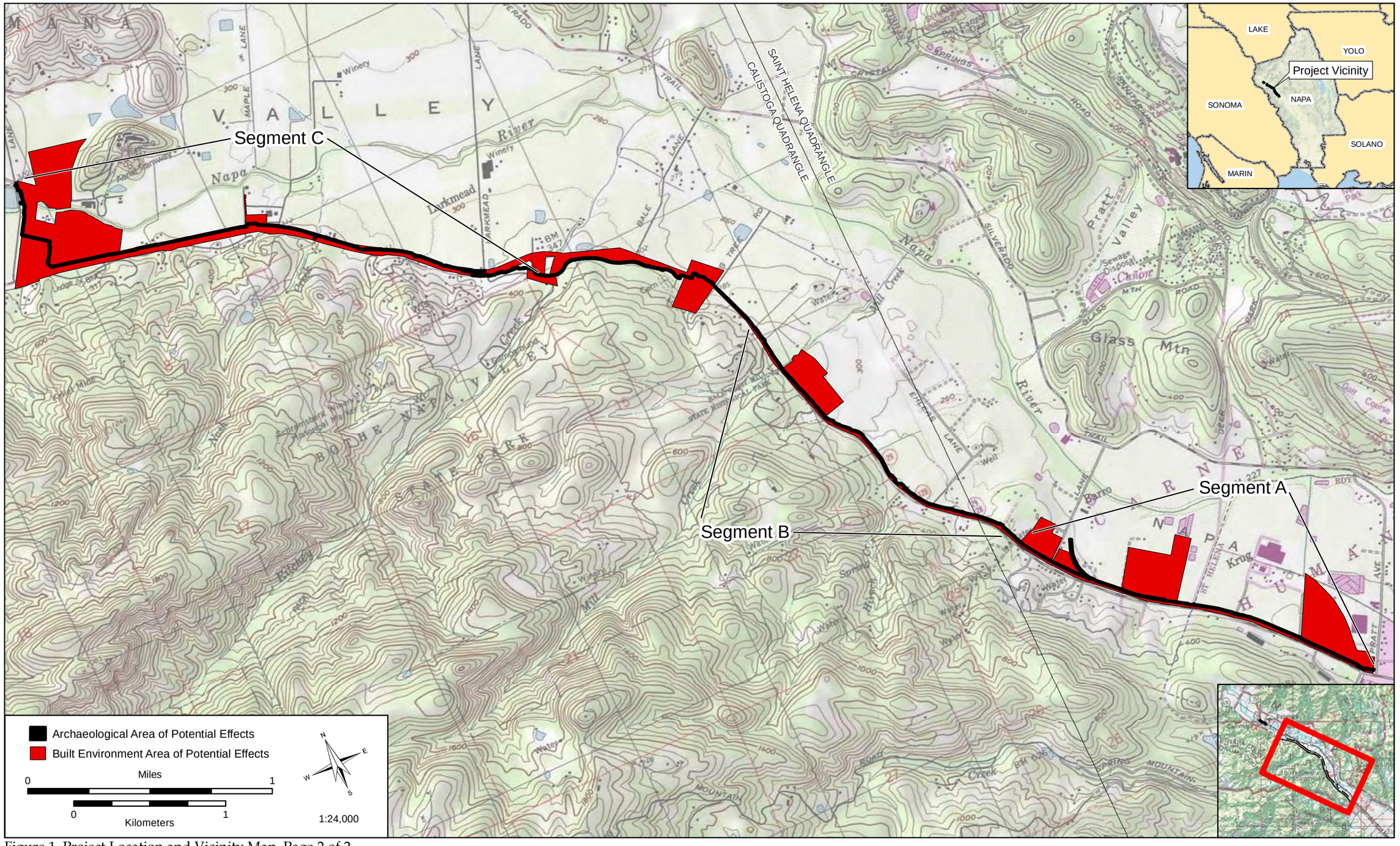

Figure 1. Project Location and Vicinity Map, Page 2 of 2.

NAPA VALLEY TRANSPORTATION AUTHORITY

November 22, 2019

Ms. Buffy McQuillen, THPO
Federated Indians of Graton Rancheria
6400 Redwood Dr., Ste. 300
Rohnert Park, CA 94928

RE: Napa Valley Vine Trail Project, Calistoga to St. Helena Trail Segment.

Dear Ms. McQuillen,

The Napa Valley Transportation Authority (NVTA) is preparing an CEQA environmental document for the St. Helena to Calistoga segment of the Napa Valley Vine Trail Project. Consistent with Assembly Bill 52 (AB 52), which amends the California Environmental Quality Act (CEQA) and pursuant to Public Resources Code § 21080.3.1, this letter serves as formal notification of consultation under AB 52. Please find below a description of the proposed Project, a figure showing the Project location, and the name of the Project point of contact. This letter serves as formal notification of consultation under AB 52.

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Due date for Comments. Pursuant to PRC § 21080.3.1 (d), you have 30 days from the receipt of this letter to submit a written request for consultation with the Napa Valley Transportation Authority.

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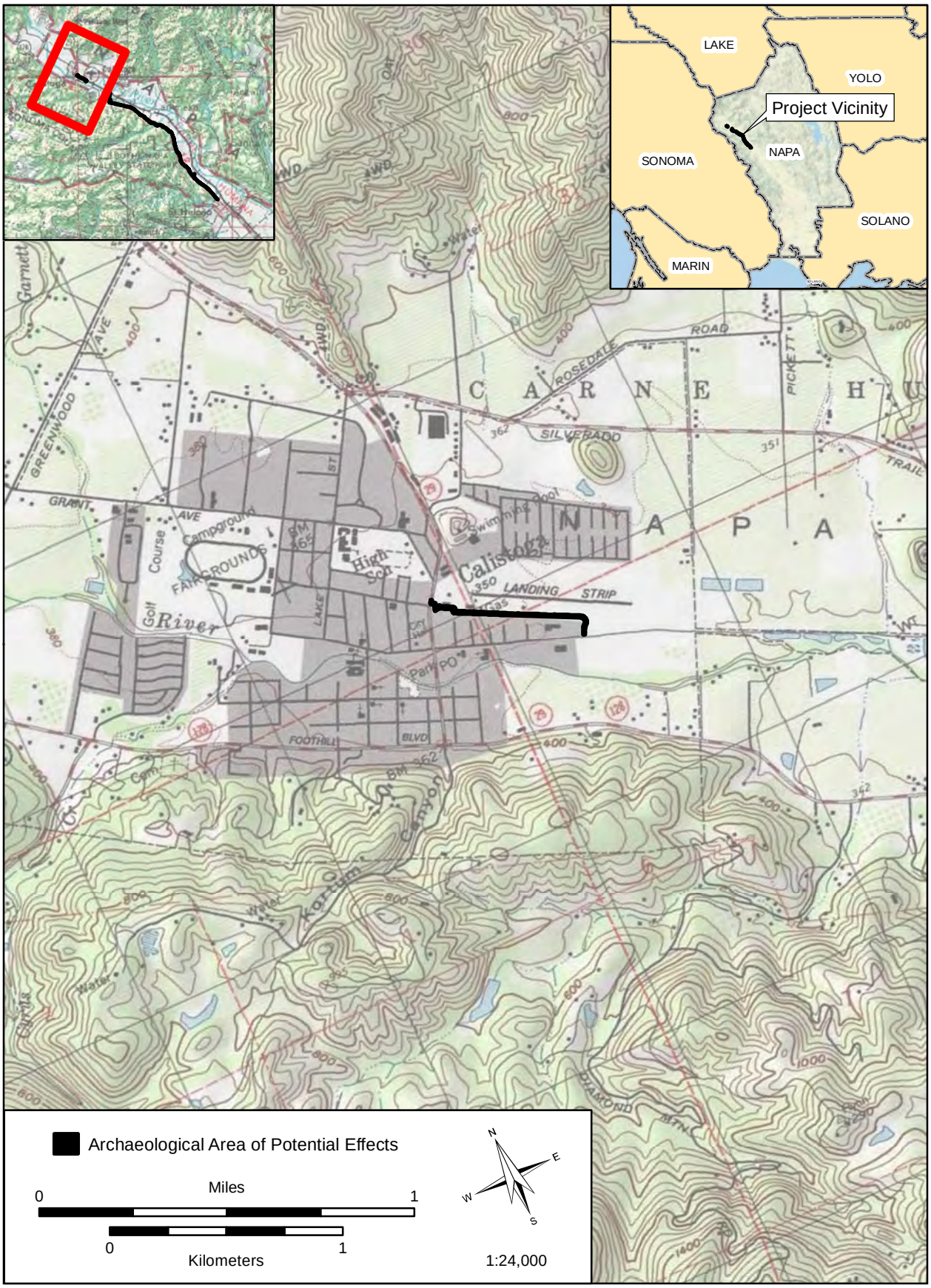
NAPA VALLEY TRANSPORTATION AUTHORITY

RSchenck@nvta.ca.gov. If NVTA does not receive such a request within the specified time period, it will conclude the consultation period and provide written confirmation to you that it has done so.

Respectfully,

Rebecca Schenck
Principal Planner, NVTA



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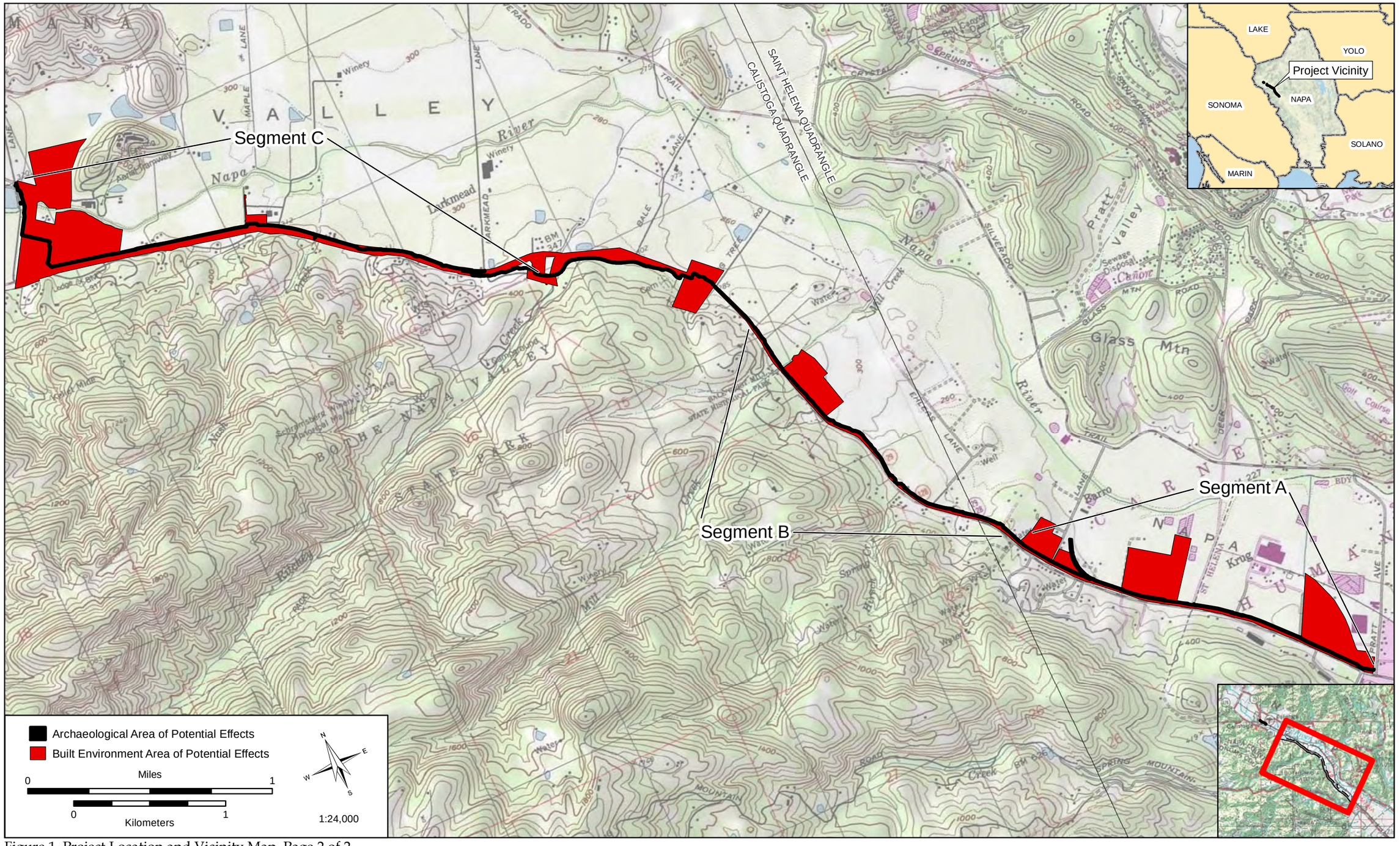

Figure 1. Project Location and Vicinity Map, Page 2 of 2.

YOCHA DEHE
CULTURAL RESOURCES

January 6, 2020

Napa Valley Transport Authority
Attn: Rebecca Schenck, Principal Planner
625 Burnell Street
Napa, CA 94559

RE: Napa Valley Vine Trail Project

Dear Ms. Schenck:

Thank you for your project notification letter dated, November 20, 2019, regarding cultural information on or near the proposed Napa Valley Vine Trail Project, Napa County. We appreciate your effort to contact us.

The Cultural Resources Department has reviewed the project and concluded that it is not within the aboriginal territories of the Yocha Dehe Wintun Nation. Therefore, we respectively decline any comment on this project. However, based on the information provided, please defer correspondence to the following:

Mishewal Wappo Tribe of Alexander Valley
Attn: Scott Gadaldon
2275 Silk Road
Windsor, CA 95492

Please refer to identification number YD-04262016-02 in any future correspondence with Yocha Dehe Wintun Nation concerning this project.

Thank you for providing us with this notice and the opportunity to comment.

Sincerely,

Isaac Bojorquez
Director of Cultural Resources

cc: Mishewal Wappo Tribe of Alexander Valley

Middletown Rancheria
Tribal Historic Preservation Department
P.O. Box 1035
Middletown, CA 95461

December 9, 2019 Via Electronic Mail

Rebecca Schenck
Principal Planner, NVTA
625 Burnell Street
Napa, California 94559

Request: Napa Valley Vine Trail Project, Calistoga to St. Helena Trail Segment

Dear Ms. Schenck:

The Middletown Rancheria (Tribe) is in receipt of your notification dated November 20, 2019 regarding the above referenced matter. The proposed Project site and its surrounding area is a site of cultural, historical, and religious significance for the Tribe. The Tribe is aware of and concerned about significant cultural and sacred resources that, while known to the Tribe, might not be properly identified through record and survey searches. Moreover, the potential for cumulative impacts to tribal cultural resources must be adequately assessed.

Due to the high likelihood of disturbing tribal cultural resources, the Tribe hereby request that the following mitigation measures be incorporated to ensure preservation or mitigation of impacts to tribal cultural resources. We also we request government-to-government consultation with the County as the Lead/Responsible Agency of the Project. Please provide us copies of all available archaeological studies, geotechnical reports, proposed grading plans, and any other applicable scoping and environmental documents (if any) pertaining to the proposed Project, as soon as possible so that we may review them prior to our initial meeting.

Mitigation Measures

Due to the possibility of unearthing tribal cultural resources which include, but is not limited to, Native American human remains, funerary objects, items or artifacts, sites, features, places, landscapes or objects with cultural values to the Middletown Rancheria of Pomo Indians of California ("Tribe"), during ground disturbance activities, the following mitigation measures shall be incorporated into the Project for preservation or mitigation of significant impacts to tribal cultural resources.

MM TCR-1: Prior to initial ground disturbance, the applicant shall retain a project Tribal Cultural Advisor approved by the Tribe, to direct all mitigation measures related to tribal cultural resources.

Office Phone (707) 987-1315 *Fax (707) 987-9091*
THPO@Middletownrancheria.com

MM TCR-2: Ground disturbing activities occurring in conjunction with the Project (including surveys, testing, concrete pilings, debris removal, rescrapes, punchlists, erosion control (mulching, waddles, hydroseeding, etc.), pot-holing or auguring, boring, grading, trenching, foundation work and other excavations or other ground disturbance involving the moving of dirt or rocks with heavy equipment or hand tools within the Project area) shall be monitored on a full-time basis by qualified tribal monitor(s) approved by the Tribe. The tribal monitoring shall be supervised by the project Tribal Cultural Advisor. Tribal monitoring should be conducted by qualified tribal monitor(s) approved by the Tribe, who is defined as qualified individual(s) who has experience with identification, collection and treatment of tribal cultural resources of value to the Tribe. The duration and timing of the monitoring will be determined by the project Tribal Cultural Advisor. If the project Tribal Cultural Advisor determines that full-time monitoring is no longer warranted, he or she may recommend that tribal monitoring be reduced to periodic spot-checking or cease entirely. Tribal monitoring would be reinstated in the event of any new or unforeseen ground disturbances or discoveries.

MM TCR-3: The project Tribal Cultural Advisor and tribal monitor(s) may halt ground disturbance activities in the immediate area of discovery when known or suspected tribal cultural resources are identified until further evaluation can be made in determining their significance and appropriate treatment or disposition. There must be at minimum one tribal monitor for every separate area of ground disturbance activity that is at least 30 meters or 100 feet apart unless otherwise agreed upon in writing between the Tribe and applicant. Depending on the scope and schedule of ground disturbance activities of the Project (e.g., discoveries of cultural resources or simultaneous activities in multiple locations that requires multiple tribal monitors, etc.) additional tribal monitors may be required on-site. If additional tribal monitors are needed, the Tribe shall be provided with a minimum of three (3) business days advance notice unless otherwise agreed upon between the Tribe and applicant. The on-site tribal monitoring shall end when the ground disturbance activities are completed, or when the project Tribal Cultural Advisor have indicated that the site has a low potential for tribal cultural resources.

MM TCR-4: All on-site personnel of the Project shall receive adequate cultural resource sensitivity training approved by the project Tribal Cultural Advisor or his or her authorized designee prior to initiation of ground disturbance activities on the Project. The training must also address the potential for exposing subsurface resources and procedures if a potential resource is identified consistent. The Project applicant will coordinate with the Tribe on the cultural resource sensitivity training.

MM TCR-5: The Project applicant must meet and confer with the Tribe, at least 45 days prior to commencing ground disturbance activities on the Project to address notification, protection, treatment, care and handling of tribal cultural resources potentially discovered or disturbed during ground disturbance activities of the Project. All potential cultural resources unearthed by Project activities shall be evaluated by the project Tribal Cultural Advisor. The Tribe must have an opportunity to inspect and determine the nature of the resource and the best course of action for avoidance, protection and/or treatment of tribal cultural resources to the extent permitted by law. If the resource is determined to be a tribal cultural resource of value to the Tribe, the Tribe will coordinate with the Project applicant to establish appropriate treatment and disposition of the resources with appropriate dignity which may

include reburial or preservation of resources. The Project applicant must facilitate and ensure that the determination of treatment and disposition by the Tribe is followed to the extent permitted by law. No laboratory studies, scientific analysis, curation, or video recording are permitted for tribal cultural resources without the prior written consent of the Tribe.

Pursuant to the California Public Resources Code section 21080.3.1 and applicable law, the Tribe request that the County promptly notify and consult with the Tribe prior to any agency action by the County to modify or reject any of the foregoing proposed mitigation measure and allow for meaningful consultation between the parties.

Further, we also request that Project details including, but not limited to, the scope of work, dates and timelines of any Project activities be provided to the Tribe as soon as possible.

This correspondence does not purport the entire position of the Tribe and is without prejudice to any rights and remedies of the Tribe, all of which are expressly reserved.

Please contact me at your earliest convenience at to schedule a meeting and if you have questions and/or concerns. Please reference THPD File Number 19-11-007.

Thank you,

Sally Peterson
Tribal Vice-Chairwoman, and
Tribal Historic Preservation Officer

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MEMO

Date: March 10, 2020

To: Marcy Kamerath, Kimley-Horn; Rebecca Schenck, NVTA; Ryan Peterson, Middletown Rancheria; Sally Peterson, Middletown Rancheria

From: John Holson

Subject: AB 52 Consultation Meeting, February 26, 2020

On Wednesday, February 26, 2020, Rebecca Schenck of Napa Valley Transportation Authority (NVTA) and John Holson of Pacific Legacy, Inc. met with Sally Peterson and Ryan Peterson of Middletown Rancheria in Calistoga to discuss the St. Helena to Calistoga section of the Napa Valley Vine Trail Project. Marcy Kamerath of Kimley-Horn participated via phone. The meeting began at 1 p.m. An archaeological survey report was provided to Middletown Rancheria prior to the meeting for review, and John Holson provided a copy of relevant cultural resource records at the meeting.

Items discussed at the meeting were as follows:

- Middletown Rancheria (Sally and Ryan Peterson) presented their site mapping and requested incorporation of five mitigation measures into the project environmental document. These were noted by NVTA and Pacific Legacy and were similar to those contained in the December 9, 2019 correspondence from Middletown Rancheria to NVTA.
- NVTA (Rebecca Schench) gave a brief overview of the project and indicated NVTA was looking into measures to reduce to impacts to archaeological sites (capping, relocation of the trail).
- Pacific Legacy (John Holson) conveyed the status of the archaeological studies and noted that Caltrans had reviewed the ASR and had requested additional archaeological studies—notably a combination of Extended Phase I (XPI) and/or Phase II Evaluation at several of the sites within the project area. Ryan Peterson indicated that he had requested archaeological information from Pacific Legacy in December. NVTA received this request in a letter dated December 9, 2019 and followed up with Middletown Rancheria to establish dates for a consultation meeting. A draft of the ASR was completed on January 27, 2020, Caltrans completed a review of the draft on February 20, 2020, and the unedited draft ASR was provided to Middletown Rancheria on February 24, 2020.
- John also explained that a portion of the project overlapped with a pipeline replacement project being studied by PG&E. He noted that resources that overlap the two project areas may be subject to subsurface testing by PG&E contractors, though the current status of the PG&E project is unclear. Middletown Rancheria requested that Pacific

Legacy inform PG&E of their interest in the pipeline replacement project (This was completed last week).

- Middletown Rancheria requested that a tribal monitor be present during archaeological survey and excavation for the project as well as during construction activities.
- Pacific Legacy indicated there was still some survey work to be completed at Bothe-Napa Valley State Park. Pacific Legacy was in the process of obtaining the archaeological permit for the survey and agreed to notify Middletown Rancheria when it was received. Pacific Legacy offered to meet with Middletown Rancheria when the survey of the Bothe-Napa Valley State Park was conducted and to visit other sites with the tribe. John and Ryan Peterson will coordinate.
- Middletown Rancheria requested ongoing consultation throughout pre construction and construction phases of the project.
- There was a discussion of compensation for tribal monitors and site visits. NVTA explained the funding source and indicated they would take that into consideration but could not make a commitment for the current phase of the project and that they would be positioned better during the construction phase.
- Middletown is going to review the ASR and identify areas of concern not noted in the draft report.

The meeting adjourned at approximately 2:15 p.m.

EXHIBIT 4. SITE RECORDS (CONFIDENTIAL)

EXHIBIT 5. PHOTOGRAPHIC DOCUMENTATION

(CONFIDENTIAL)

Appendix E

Historic Resources Evaluation Report

HISTORICAL RESOURCES EVALUATION REPORT
Vine Trail –St. Helena to Calistoga
Napa County, California
03-NAP 29, PM 29.24 – 35.28
EA 04-2Q260 / E-FIS 0418000447

Prepared For:
Napa Valley Transportation Authority
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May 2020

SUMMARY OF FINDINGS

The Napa Valley Transportation Authority (NVTA) is proposing to construct approximately 7.4 miles of new bike trail from St. Helena to Calistoga with funds from local, state, federal, and philanthropic sources. Federal funds are provided through the California Department of Transportation (Caltrans). The proposed project includes two trail segments. The St. Helena to Calistoga segment of the Vine Trail project will be an approximately 6.8-mile Class I bicycle/pedestrian path from Pratt Avenue in St. Helena to Dunaweal Lane in Calistoga, mostly along State Route (SR) 29 (also referred to as St. Helena Highway) and the second segment of trail, called the Fair Way Path Extension, comprises a 0.6 mile trail on Fair Way from Washington Street to Lincoln Avenue in Calistoga. The intervening portion of Vine Trail between Washington Street and Dunaweal Lane is already built. The project vicinity and location are illustrated in **Figures 1** and **2** in **Appendix A**. See **Appendix A**, **Figure 3** for a map of the Area of Potential Effects (APE).

The studies for this undertaking were carried out in a manner consistent with Caltrans' regulatory responsibilities under Section 106 of the National Historic Preservation Act (36 CFR Part 800) and pursuant to the January 2014 *First Amended Programmatic Agreement among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act* (Section 106 PA).

JRP Historical Consulting, LLC (JRP) prepared this Historical Resources Evaluation Report (HRER). Two properties in the APE were previously listed in the National Register of Historic Places (NRHP) and are listed in the California Register of Historical Resources (CRHR). These are the Beringer Winery Historic District at 200 Main Street, St. Helena (Map Reference #2) and the Napa Valley Railroad Calistoga Depot at 1458 Lincoln Avenue, Calistoga (Map Reference #14). One property, the Cavanaugh/ Wright house at 3107 St. Helena Highway (SR 29) (Map Reference #09) was previously found eligible for listing in the NRHP and CRHR under Criterion C/3. Eight properties in the APE required formal evaluation. This report concludes that the This HRER concludes that the remaining built environment properties in the APE do not meet the criteria for listing in the NRHP. These conclusions are pursuant with Stipulation VIII.C.2 of the Section 106 PA. Additionally, pursuant to Section 15064.5(a)(2)-(3) of the California Environmental Quality Act (CEQA), using criteria outlined in Section 5024.1 of the California Public Resources Code, the three properties in the APE that are listed in or previously determined eligible for listing in the NRHP are listed in the CRHR and are historical resources for the purposes of CEQA. The other built environment properties in the APE are not historical resources. The two NRHP Nomination Forms and nine Department of Parks and Recreation (DPR) 523 forms for evaluated properties are in **Appendix B**.

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ATTACHMENTS

Appendix A

Figure 1 Project Vicinity Map
Figure 2 Location Map
Figure 3 Area of Potential Effects (APE) Map

Appendix B

State of California Department of Parks and Recreation (DPR) 523 Forms
National Register Nomination Forms

Appendix C

Caltrans Historic Bridge Inventory Sheet

Appendix D

Correspondance

1 PROJECT DESCRIPTION[1]

The proposed project is one part of the Napa Valley Vine Trail, which is envisioned as a 47-mile Class I mixed-use path for pedestrians and cyclists that will run the length of the Napa Valley (Calistoga to American Canyon) and connect to the ferry terminal in Vallejo, California. The proposed project includes two segments of a Class I bicycle/pedestrian trail. First, the Napa Valley Vine Trail – St. Helena to Calistoga segment ("proposed project") is an approximately 6.8-mile Class I bicycle/pedestrian trail within Caltrans and public right-of-way, and on State Park land and private property easements. The south end of the segment would terminate in St. Helena at Pratt Avenue at the location of a future segment of the Vine Trail, and the north end terminate at an existing segment of the Vine Trail at Dunaweal Lane in Calistoga.

An additional segment called the Fair Way Path Extension would be constructed at the same time as the St. Helena to Calistoga segment. The Fair Way Extension would be a 0.6-mile Class I trail that extends north from an existing segment of the Napa Valley Vine Trail, from Washington Avenue in Calistoga to the intersection of Fair Way and Lincoln Avenue in Calistoga.

Completion of the proposed project would help to close a gap in the regional bicycle and pedestrian transportation network, would provide bicyclists and pedestrians with a safe alternative to using SR 29 from the City of St. Helena to Calistoga, and would encourage the use of non-motorized travel, which is described in the policies and objectives of the Napa County General Plan and the Napa County Bicycle Plan. The proposed trail would terminate in St. Helena at Pratt Avenue in the south, and at Lincoln Avenue in Calistoga.

The trail would be located within unincorporated Napa County and the Cities of Calistoga and St. Helena within public right-of-way along local streets and roads, in Caltrans right-of-way, and on easements granted from State Agencies and private property owners. With exception of a portion of trail through Bothe State Park, most of the proposed trail would be on the east side of SR 29. Most of the trail would be separated from SR 29 though a few portions of the proposed trail would occur on the shoulder of SR 29. The trail would cross multiple roads and private driveways and would cross SR 29 in two locations. Conform work would occur to match the trail to grade at local street and private driveway crossings. Some mailboxes and private property frontage features may be relocated in some areas and would be done so in accordance with easements granted by private property owners. Hybrid Pedestrian Beacons and cross walks would be installed where the trail crosses SR 29. Safety improvements and signage would be installed at crossings to conform to applicable local, Caltrans, and California Manual on Uniform Traffic Control Devices (California MUTCD) standards.

[1] This project description was provided by Napa Valley Transportation Authority.

The proposed path would be 10-feet wide with 2-foot shoulders for a total width of 14 feet in most locations, narrowing to a lessor width in constrained locations. In most locations the trail would be an asphalt trail installed over aggregate base, with gravel shoulders. Permeable asphalt or a material like "Parktread" may be used in some locations (e.g., along vineyard edges or aisles). The existing surface would be excavated to a depth of 1.5 to 2 feet to install the trail surface. Grading would occur beyond the shoulders to conform the trail to existing grade up to a maximum slope of 2:1, as allowed by geotechnical conditions.

The trail would be on the shoulder of existing SR 29 bridges at York and Mill Creek. Restriping of SR 29 would occur on the approach to and bridge crossings at York and Mill Creek to realign the roadway within the existing right-of-way. Signage, striping, and barriers along the shoulder would be installed for the bike path at these bridge crossings, in accordance with local, and state standards.

Retaining walls would be constructed where the trail alignment is constrained either by existing physical or topographic features, property lines, or easement boundaries. Approximately 6200 linear feet of retaining walls are proposed. Retaining wall types would be mostly comprised of mechanically stabilized earth, concrete barrier, block walls, or other types. A majority of retaining walls would not exceed a height of 3.5 feet, though in a few locations the elevation change between the proposed trail and adjacent area would require up to an 8-foot retaining wall. Excavation depths for the retaining walls would be approximately 1.5 to 3.0 feet below existing grade over an approximately 1 to 20-foot area from the edge of proposed retaining walls. The retaining walls would be designed to have a similar visual appearance to existing walls in the area.

Freespan, pre-fabricated bridges are proposed in three locations; one to span an existing wetland and drainage feature on private property (Deconinck Vineyard), one to cross an existing drainage ditch located on private property south of Twomey Winery, and one to span Napa River on Dunaweal Lane. Each of these bike and pedestrian bridge structures and abutments would be installed outside of the waters and wetland features (i.e., Freespan). First, a bridge would be constructed in the north to south direction to cross the existing wetland on the Deconinck Vineyard property. Abutments would be constructed from the adjacent upland areas. Second, near Twomey winery, south of Dunaweal Lane, the bridge would be installed over an existing ditch just downstream of its crossing at SR 29. Last, the proposed bridge at Napa River would be installed adjacent to the existing vehicle bridge over Napa River on Dunaweal Lane. The bottom elevation of the bridge would be designed to be above the 100-year flood plain and above the elevation of the existing vehicle bridge.

The proposed project would include new culverts or culvert extensions. The type, size and material of culvert extensions would match existing conditions. Box and pipe culverts would be installed. Two existing box culverts would be extended, one at Nash Creek, the second to cross an ephemeral drainage tributary to Hirsch Creek, and the third to extend the existing

culvert crossing of Hirsch Creek at SR 29 just north of Ehler's Lane. New or replacement headwalls and wingwalls would be installed for new culverts or culvert extensions, where necessary. Storm drain infrastructure, including junction boxes and manholes, would be installed as part of some culvert extensions to convey stormwater runoff and to provide access to maintain the storm drain infrastructure.

Construction of the proposed project would include approximately 10,000 cubic yards of excavation. Approximately 5,000 cubic yards of soil would be required to construct the trail, and approximately 7,000 cubic yards would be excavated, resulting in approximately 2,000 cubic yards of fill to be exported from the project area. Material brought on to the site would be tested in accordance with local and state requirements that are applicable to the particular area to ensure contaminated material is not brought on site. Material that is not removed from the project area once excavated would be stockpiled and stabilized until off-haul would occur.

Vegetation and tree removal would be required to construct the trail and would include oak, maple, redwood walnut and other native trees, landscape trees, and non-native trees. Trees to be removed include landscape trees, non-native trees, and some native trees, including oaks. Trees subject to replanting requirements would be replanted within the project vicinity at a ratio consistent with local tree protection requirements, and CDFW replanting requirements for trees removed within the riparian zone in CDFW's jurisdiction. A portion of landscaped areas, including walls and signage on private property would be removed to accommodate the trail and then replaced and replanted, as agreed to and in accordance with easements to be granted by private property owners.

Underground utilities would remain in place. Utility poles in conflict with the trail would be moved in coordination with utilities prior to construction of the project and would be separate from this proposed project. Other utility adjustments would include relocation of fire hydrant wharfs in a few locations, and manhole cover adjustments to grade, where applicable. No additional or expanded use of water or wastewater facilities are proposed as part of this project. In a few locations, new storm drain infrastructure manholes and junction boxes would be installed to convey road and trail runoff to existing or extended culverts. With exception of the storm drain infrastructure mentioned above, stormwater runoff from the trail would be conveyed to adjacent permeable non-erodible areas.

Additional proposed improvements include: ADA compliance curb ramps, stop signs and trail signage, benches, interpretive signage, fencing along the edge of some property lines, and bus stop relocation and improvements. Proposed improvements on private property would include conform work to match existing grade, striping, relocation of mailboxes, removal and replacement of landscaping where it coincides with the proposed trail alignment.

Access to the construction site would occur from SR 29 and existing roads. While final staging areas would be confirmed by a project contractor, staging would primarily occur within the

proposed trail alignment. These areas would be used to store and stage materials and equipment at different times throughout project construction. Staging areas outside of the proposed alignment would typically consist of previously disturbed areas with bare, gravel, or paved surfaces.

Trail construction is anticipated to take approximately 9-12 months and occur in the spring or summer months of either 2021 or 2022. The work may be phased along the alignment to adhere to seasonal work limits.

Following completion of the trail, Napa County and the Cities of St. Helena and Calistoga would maintain the portions of the trail within their jurisdiction in accordance with easement agreements, and Cooperation Agreements with Caltrans for the portions of the trail in Caltrans right of way. Trail operation and maintenance would require occasional sweeping with a compact mechanical sweeper, litter pick-up, and vegetation and tree trimming to provide vertical clearance for bicyclists and pedestrians over the trail.

1.1 Description of the APE

The APE for this project was delineated by JRP and Pacific Legacy, Inc. in consultation with Kimley-Horn (project engineer), Napa Valley Transportation Authority, and Caltrans, and it encompasses areas that may be directly or indirectly affected by the project. The APE spans the length of the trail segment on SR 29 from Pratt Avenue in St. Helena to Dunaweal Lane in Calistoga and on Fair Way from Washington Street to Lincoln Avenue in Calistoga. The APE is in the rural Napa Valley, encompassing areas of the City of St. Helena, unincorporated Napa County, and the City of Calistoga, and it includes a mixture of agricultural, commercial, government, and residential buildings and complexes. The trail bed will be 14-feet wide and the archaeological APE includes a buffer around this width. The architectural APE follows the archaeological APE and includes some built environment parcels to address potential visual effects. Refer to **Figures 1** and **2** in **Appendix A** for the project vicinity and location maps. **Appendix A**, **Figure 3** is the APE map.

2 RESEARCH AND FIELD METHODS

The inventory and evaluation of built environment resources for this project included research for developing a general historic context relative to the project location, as well as resource-specific research for the properties within the APE to confirm dates of construction, review their land-use histories, establish each property's physical history, and properly place the properties into their appropriate historical contexts. JRP conducted research at Shields Library, University of California, Davis; California State Library, Sacramento; Napa County Historical Society; Napa County Recorder; Napa County Public Library; online databases (Ancestry, Newspapers.com, Newspaper Archive; Parcel Quest; California Digital Newspaper Collection; Historic Aerials; Frame Finder University of California Santa Barbara; USGS Earth Explorer); and in JRP's in-house library. In addition, JRP examined standard sources of information that identify known and potential historic resources to determine whether any buildings, structures, objects, districts, or sites had been previously recorded or evaluated in or near the APE. This included the California Historical Landmarks and Points of Interest publications and updates, NRHP, CRHR, as well as the results of a California Historical Resources Information System records search through the Northwest California Information Center (NWIC File No. 19-070 November 20, 2019) made at the request of Lisa Holm of Pacific Legacy, Inc. JRP also reviewed the Caltrans Historic Bridge Inventory to identify the NRHP eligibility of bridges in the APE.[2]

The Napa Valley has been the subject of various historic resources surveys. The surveys that have identified the most built environment historical resources are *Napa County Historic Resources Survey*, Napa Landmarks Inc., 1978 and the *Historic Architecture Survey Report for the proposed improvements to Highway 29 in Napa County, from York Creek in the City of St. Helena to Bale Lane,* Caltrans, 2000, both of which were reviewed for this study.

The results of the preliminary research identified properties in the APE listed in the NRHP and CRHR, along with properties inventoried in previous surveys with various historic statuses. There are also two bridges on SR 29 in the APE, both of which are Category 5 structures (i.e., not NRHP eligible). These are Bridge 21 0017 at York Creek (PM 29.29) (Map Reference #1) and Bridge 21 0056 at Mill Creek (PM 32.06) (Map Reference #6). See **Appendix C** for the Historic Bridge Inventory Sheet for these structures.

The two properties in the APE currently listed in the NRHP are the Beringer Winery Historic District (Map Reference #2) and the Napa Valley Railroad Depot in Calistoga (Map Reference #14). Based on their formal listing in the NRHP, both are listed in the CRHR. The Beringer

[2] US Department of the Interior, National Park Service, National Register Information System, online database, available at https://www.nps.gov/subjects/nationalregister/database-research.htm (accessed December 2019); California Department of Parks and Recreation, *California Inventory of Historic Resources* (Sacramento: California Department of Parks and Recreation, March 1976); California Office of Historic Preservation, *California Historical Landmarks* (Sacramento: California State Parks, 1996); and California Office of Historic Preservation, *California Points of Historical Interest* (Sacramento: California State Parks, May 1992). California Office of Historic Preservation, Historic Property Data File, Napa County, April 5, 2013.

Winery Historic District was listed in the NRHP in 2001. The district is composed of 10 contributing features, and 2 non-contributing buildings. The district is eligible under NRHP Criterion A /CRHR Criterion 1 at the state level for its association with the development of California viticulture and has a period of significance of 1878 to 1935. Prior to the listing of the Beringer property as a historic district, the Rhine House (also known as the Frederick Beringer Mansion), built in 1883, was listed individually in the NRHP in 1972. It was found significant under NRHP Criterion C for its architectural significance. The Rhine House is also California Historic Landmark #814, and both the Rhine House and Hudson-Beringer house (contributor to the district) were included in the Napa Historic Resources Survey conducted in 1978. The components of the Beringer Winery Historic District are listed in **Table 1**, along with the Office of Historic Preservation (OHP) National Register Status Codes for each component.

Table 1. Components of the Beringer Winery Historic District at 200 Main Street in St. Helena

Primary #	Name	OHP Status Code[3]	Notes
28-001440	Beringer Winery Historic District	1D	CHL #814; Napa County Historic Resources Survey 1978
28-000954	Beringer Rock Wall	1D	
28-000959	Beringer Elm Tree Canopy (flanking SR 29)	1D	
28-001441	Rhine House	1S and 1D	CHL #814; Napa County Historic Resources Survey 1978
28-001442	Sisters House; Hudson-Beringer House	1D	Napa County Historic Resources Survey 1978
28-001443	Beringer Winery – Office	1D	
28-001444	Beringer Winery – Wine Cellar/ Old Winery	1D	Napa County Historic Resources Survey 1978
28-001445	Beringer Winery – Distillery	1D	
28-001446	Beringer Winery – Jacob Beringer Jr. Residence; North House	1D	

The Calistoga Depot is listed in the NRHP, significant under NRHP Criterion A at the local level for its association with the development of the Napa Valley, specifically resort and agricultural growth in and around Calistoga. The period of significance of this property is

[3] California Historical Resource Status Codes 1D and 1S identify properties listed on the National Register of Historic Places as a historic district (1D) and individually (1S). Code 5 indicates properties recognized as historically significant by a local government. Code 6Y indicates those determined not eligible for listing, and 6Y indicates those found not eligible for listing. Code 7 is for properties that have been recorded, but not evaluated.

understood to be 1868, when the building was completed, through 1929 when the last passenger service operated from the depot. The depot is also California Historical Landmark #687. The depot is a Calistoga Primary Historical Resource and listed it on the Napa County Master List, an unofficial county historic resources register.

The proposed Vine Trail also traverses a portion of Bothe-Napa Valley State Park, located southeast of Calistoga. Carey & Co. conducted a historic resources survey of the park's built environment in 2000. Several of the surveyed properties are within the APE for this project. State Parks, however, does not consider the survey to be complete and accurate, and does not agree with the report's conclusions. These evaluations are not used in managing the park's resources.[4] State Park's Historian Noah Stewart also provided JRP data regarding the Tucker House and the formation of Bothe-Napa State Park.[5] The built environment in or near the APE surveyed by Carey & Co. are listed in **Table 2**.

Table 2. Built Environment in Bothe-Napa Valley State Park in and near APE.

Primary #	Name	OHP Status Code	Notes
28-002529	Tucker House at 3801 St. Helena Hwy (SR 29) (Map Reference #11)	5[6]	In APE
28-02531	HQ Area Storage Building	6Z	In APE; inventoried with Tucker House
28-02532	HQ Area Shop	6Z	In APE; inventoried with Tucker House
28-02533	HQ Storage Building	5	In APE; inventoried with Tucker House
28-02534	Mitchell/ Wright House	5	Not in APE
28-02535	Mitchell/ Wright Oil House	5	Not in APE
28-02536	Mitchell/Wright Restroom	5	Not in APE
28-02537	Read/Wright House and Garage (Map Reference #10)	5	

[4] Note filed with Northwest California Information Center report S-51700, Carey & Co. Inc., "Bothe-Napa Valley State Park Historic Structures Survey, 2002, for California Department of Parks and Recreation.
[5] Noah Stewart, Division of Parks, e-mail to JRP historian Cheryl Brookshear, photographs from State Parks Archive, Sacramento, April 29, 2020.
[6] Note that the Carey & Co. evaluation for these properties was never reviewed by any agency and has no standing. Carey & Co. identified properties as having local interest, but did not indicate what local agency recognized these properties.

Primary #	Name	OHP Status Code	Notes
28-02538	Cavanaugh/Wright house and Garage (Map Reference #9)	5	
28-002539	Cavanaugh/Wright Ancillary Building (Map Reference #9)	5	
28-02540	"Cottage" (Cavanaugh/Wright) (Map Reference #9)	5	
28-02548	Paradise Park Res #1	6Z	Not in APE
28-02549	Paradise Park Res #2	6Z	Not in APE
28-02550	Paradise Park Res #3	6Z	Not in APE
28-02551	Paradise Park Res #4	6Z	Not in APE
28-02573	Wright's Storage Building at 3703 St. Helena Hwy (SR 29)	7	Not in APE
28-02574	Mitchell/ Wright Pumphouse at 3703 St. Helena Hwy (SR 29)	7	Not in APE

The records search also listed P#28-02572, the Wright's Livestock Shed at 3703 St. Helena Highway (SR 29), but this resource is likely not extant. It was not included in the Carey & Co. study.

Concurrent with the preparation of the HRER for Vine Trail Caltrans prepared the *HRER for the Ritchie Creek Storm Water Mitigation Project on State Route 29 in Napa County, California*. The Caltrans report evaluated the Cavanaugh/Wright House (P-28-2538 thru 2540) and found it eligible for the NRHP and CRHR under Criterion C/3 as an example of the California Craftsman style with a period of significance of 1916. Caltrans' findings have been submitted to SHPO just prior to the completion of this HRER for the Vine Trail project, and is listed herein as a previously determined eligible.

An additional five resources on four properties and a contemplated historic district in the APE were previously determined not eligible for the NRHP, CRHR, or local registers (**Table 3**). This includes.

Table 3. Previously Evaluated Properties Located in the APE

Primary #	Name	Address	Community[7]	OHP Status Code
28-1449		2820 St. Helena Hwy (Map Reference #3)	St. Helena (vic)	6
28-1453		1199 Lodi Lane* (relocated) (Map Reference #4)	St. Helena (vic)	6
28-02464		3000 St. Helena Hwy* (Map Reference #4)	St. Helena (vic)	6Y
28-01848	Freemark Abbey Winery	3022 St. Helena Hwy (Map Reference #5)	St. Helena (vic)	6Y (originally 3 in 1978, but lost integrity when re-evaluated in 2000)
28-1705	Lincoln Ave Commercial District		Calistoga	6Y

*Located on the same parcel

The commercial building at 3000 St. Helena Highway and residence formerly at 1199 Lodi Lane are located on the same assessor parcel. The residence at 1199 Lodi Lane has been relocated on the parcel and is now known as 1190 York Lane. The assessor parcel also contains a small four-unit residence/motel is located on the parcel facing Lodi Lane. This building, at 1189 Lodi Lane, was not previously evaluated and is evaluated herein as Map Reference #4.

The Freemark Abbey property at 3022 St. Helena Highway (Map Reference #5) was first surveyed in 1978 and was found to be eligible for the NRHP. The property was subsequently altered and in 2000 Caltrans found that it no longer retained integrity necessary for listing in the NRHP and CRHR.[8]

Additionally, Lauren Clementio of Caltrans conducted a survey of Lincoln Avenue in Calistoga to investigate if a historic district existed as a part of the *Historical Resources Evaluation Report*

[7] "Vic" refers to vicinity, i.e. a property that is near, but not within, the municipality boundaries. Such properties may use the nearby municipalities name in their address even though they may be located in an unincorporated portion of the county.

[8] *Historic Architecture Survey Report for the proposed improvements to Highway 29 in Napa County, from York Creek in the City of St. Helena to Bale Lane,* Caltrans, 2000. It is unclear whether Caltrans received SHPO concurrence on the determinations of eligibility from this study.

for the Napa River Bridge (21-0018) Replacement Along State Route 29 in Calistoga, Napa County, 2014. The survey identified several individual buildings as eligible for the NRHP, CRHR, or local listing, including the Napa Valley Railroad Calistoga Depot, but the survey concluded that there were insufficient resources to constitute a historic district.

JRP staff conducted a field survey of the APE on January 7, 2020 and April 20, 2020 and recorded the historic resources on the DPR 523 forms provided in **Appendix B.**

Napa Valley Transportation Authority contacted potential local interested parties for this project and sent notification letters on January 22, 2019. Recipients of the letter were as follows:

- Sharpsteen Museum, Calistoga
- St. Helena Historical Society, St. Helena
- Robert Louis Stevenson Museum, St. Helena
- Elmshaven, St. Helena
- St. Helena Public Library
- Napa County Historical Society, Napa
- Calistoga Planning Commission, Calistoga
- Napa Main Library, Napa
- Calistoga Branch Library, Calistoga
- Napa County Regional Park and Open Space District/ Napa Valley State Park Association, St. Helena
- Napa County Landmarks, Napa
- Napa County Planning Commission, Napa
- St. Helena Planning Commission, St. Helena
- California State Parks

In response to the letter to potential interested parties the following responses arrived via e-mail. Noah Stewart, historian with California State Parks, responded that there are known historical and archaeological resources within the Napa Valley State Park, and additional information may be found in the park's records. The California State Parks Bay Area District requested to continue receiving information about the project. Napa County Landmarks, a non-governmental agency, provided a list of known resources in the vicinity. Bonnie Thoreen of the St. Helena Historical Society acknowledged receipt of the letter. The research chair then responded with a list of historic resources in the area and stated opposition to alterations to the Sulphur Creek and York Creek bridges. Kathleen Carrick, board member for the Napa Valley State Parks Association, requested to be included in continued information about the project. Follow up e-mails were sent to the remaining potential interested parties on March 10, 2020. In response, Sharpsteen Museum board member Bev Barnes requested information about the trail crossing SR 29, which NVTA then provided. The City of Calistoga Planning Department and the St. Helena Public Library both responded that they had no comments. A copy of the

interested parties letter, email correspondence, and a communication log are provided in **Appendix D.**

3 HISTORICAL OVERVIEW

The following overview provides general historic background and context for the project area. Most of the properties requiring evaluation in this report are located in the rural area of Upper Napa Valley between St. Helena and Calistoga, with one property located within the built-up area within the City of Calistoga. Of the properties in the APE, only the Beringer Winery Historic District is located within the City of St. Helena and it is located at the northern rural edge of the municipality. No properties requiring evaluation are within the City of St. Helena boundaries.

3.1 Settlement and Development of Agriculture in Napa Valley

The Napa Valley extends north from San Pablo Bay (which connects with San Francisco Bay) to Mount St. Helena. The narrow valley has rich agricultural soils and the Napa River runs through the center. The northern end of the valley has geothermal features, and the surrounding hills mountains contained deposits of silver and cinnabar.[9]

Prior to the 1830s the area was largely left to the native Wapoo people. Spanish settlement did not extend north of the San Francisco coast until the 1820s when they sought to counter explorations by other European countries. Looking for a site for a new northern mission in 1823, the Spanish entered the Napa Valley, but decided on Sonoma for the new mission site. The local Wapoo population resisted the imposition of the mission system and fought several battles with the Spanish, with catastrophic effects on the native population. A small pox epidemic in 1836, and subsequent European diseases, rendered the Wapoo unable to resist further European settlement.[10]

Most early European settlement occurred under the Mexican government which granted land in ranchos throughout the Napa Valley beginning in 1834. In 1841 Dr. Edward Tuner Bale, an Englishman, was granted the *Rancho Carne Humana* in the northern end of Napa Valley including the areas now occupied by St. Helena and Calistoga. Bale constructed a grist mill in the valley's the western hills that is now a state park. This mill was the largest of several serving the Napa Valley of the time. Like many ranchos the land included cattle ranching, and some grain production for local use.[11] By the mid-1840s the Mexican government faltered in its control of California as the number of settlers grew, including Napa Valley rancho grantees and settlers purchasing land from rancho owners. Napa Valley settlers were among those that took part in the short-lived Bear Flag Revolt in 1846 that was superseded by the Mexican-American War that led to the United States' acquisition of California.[12]

[9] Denzil Verado and Jennie Dennis-Verado, *Napa Valley: from Golden Fields to Purple Harvest* (Northridge, CA: Windsor Publications, Inc., 1986) 13.
[10] Verado, *Napa Valley,* 16.
[11] Verado, *Napa Valley,* 17, 20-21, 23-24.
[12] Verado, *Napa Valley,* 28.

In the late 1840s and during the Gold Rush, Napa became a leading regional supplier of flour and grain second only to Santa Clara. The Napa River was navigable up to the point where Napa city is today. The Napa port, which had been established in 1846, provided an outlet to the gold region for the local agricultural produce, and the high price of wheat provided a strong economic base for the county. Through the 1850s and into the 1860s additional agricultural crops were introduced to the Napa Valley, and towns developed along the valley in the following two decades, including St. Helena which was established in 1853 and Calistoga established in 1860.[13]

The shift to field crops was accelerated by the break-up of the land grants. Bale died in 1849 after having already partially divided his rancho, deeding some pieces of land to those who had worked for him. Defending land grants in the courts was expensive and time consuming, leading to the further dissolution of grants in California and Napa Valley. Smaller land holdings led to greater agricultural production and flooding followed by drought in the early 1860s ended cattle ranching in the valley.[14]

During the latter half of the nineteenth century the types of crops diversified in the Napa Valley and agriculture developed rapidly in the county following the formation of the state's first agricultural society in Napa County in 1854. While a variety of fruits and vineyards had been introduced to the area during the Spanish / Mexican period, more varieties were introduced by the subsequent waves of settlers. Simpson Thompson developed a nursery south of the city of Napa introducing non-irrigated orchard and vineyard crops in the early 1850s. The need for food within the gold regions spurred orchard crop development including apples and peaches, which were introduced by the 1860s. By the 1880s these were joined by olives and prunes, with the latter becoming the dominant crop by the end of the nineteenth century. Dairy and poultry production were also found at the southern end of the valley. Wheat crops, however, declined as other areas of California and the United States became productive, and grist mill operations in the valley ceased in 1879.[15]

Transportation demands grew and evolved along with Napa Valley's agriculture. Early on, regular ferry service to San Francisco developed from the Napa port, which facilitated export of agricultural products, but transporting goods the length of the valley was problematic because of poor road conditions. The Court of Sessions approved the first county road the length of the valley in 1851, roughly corresponding to the route of SR 29 (**Image 1**). Flooding forced the addition of the Silverado Trail along the east side of the valley. By 1878 the latter road was graveled between the City of Napa and St. Helena, and the remaining road to Calistoga was

[13] Verado, *Napa Valley,* 13, 29, 31, 33.
[14] Verado, *Napa Valley,* 20, 30.
[15] Verado, *Napa Valley,* 43; Lin Weber, *Roots of the Present: Napa Valley 1900-1950* (St. Helena, CA: Wine Ventures Publishing, 2001) 16; William F. Heintz, *Wine Country: An History of Napa Valley The Early Years: 1838-1920* (Santa Barbara: Capra Press, 1990) 35-36.

graded, but not graveled. Regular flood damage to roads necessitated another transportation mode. Important to the transportation of large quantities of goods and passengers was the development of the Napa Valley Railroad, which began in 1864. Built up the valley west of the river until near Calistoga, the railroad's importance to community development is evident as the valley's towns grew near the railroad and not along the county road or Silverado Trail.[16]

Image 1. Napa Valley between Calistoga and St. Helena in 1876 prior to the construction of the Silverado Trail. The railroad is illustrated by the dashed line in the center of the valley.[17]

3.2 Development of Resorts in Napa Valley

Transportation development Napa Valley also supported the region's other profitable endeavor in the late nineteenth century: resorts. The northern end of the valley and the surrounding hills contained natural hot springs. During the late nineteenth century these were seen as having medicinal and recreational benefits. Proximity and easy transportation to and from San Francisco made the Napa springs an excellent site for resorts. Native Californians and Mexicans had used the springs, but few settlers knew they existed until Samuel Brannan developed the

[16] Verado, *Napa Valley,* 34, 39; USGS, *Sonoma, California Topographic Quadrangle* (Washington, D.C.: USGS, 1942); USGS, *St. Helena, California Topographic Quadrangle* (Washington, D.C.: USGS 1942).
[17] George G. Lyman, S.R. Throckmorton, and David L. Haas, *Official Map of the County of Napa California* (San Francisco: M. Schmidt Map Co, 1876).

area. While the first resort was Sulphur Springs in the mountains west of St. Helena, the entrepreneurial Brannan used his political connections to push for a railroad running the length of Napa Valley. He intended the railroad to reach the hot springs and stimulate the area into a resort town. Brannan owned land, which included the hot springs, as early as 1859. He intended the area to become "the Saratoga of the Pacific" through resort accommodations and commercial development. The railroad Brannan anticipated – the Napa Valley Railroad – traversed the Napa Valley and arrived in Calistoga in 1868.[18] Calistoga evolved as a tourist destination during the late nineteenth century and into the twentieth century. Napa Valley also served as the access point for the resorts of Lake County to the northeast. The resorts became a playground for the wealthy, and summer resort life became a nineteenth century status symbol among the middle and upper classes. The ability of easy transportation allowed men to visit their families at the resorts on the weekend then return to the city via the railroad. [19]

Resorts evolved in the early twentieth century as the middle class gained greater access. Generalized resorts developed, with the various springs serving a recreational purpose, and serving a wider demographic to remain profitable. Through the early decades of the twentieth century, automobiles helped democratized travel, permitting independent movement that had been previously unavailable. The resort life that had existed in Napa County changed as automotive travelers increasingly sought a connection with a simple rural life and physical activity. [20]

3.3 Development of the Wine Industry and Evolution of Napa Valley in the Twentieth Century

Napa Valley's soil, climate, and location led to vineyards and wine becoming its most distinctive crop. While this industry is so identified with this area, it had a difficult beginning in the late nineteenth century. Early grape varieties were brought to the area by the Spanish missions, but these early varieties, and their productions methods, did not provide an overly palatable product. Improved viticulture was the result of Count Agoston Haraszthy's efforts in the Sonoma Valley to the west. Charles Krug worked with Haraszthy learning viticulture and wine making techniques. In 1860, Krug sold his land in Sonoma Valley and moved to Napa Valley where he married Dr. Bale's daughter and established a vineyard north of St. Helena. This would become the epicenter of wine production in Napa Valley. By the mid-1860s 1,000

[18] Heintz, *Wine County*, 87 and 90; C.A. Menefee, *Historical and Descriptive Sketch Book of Napa, Sonoma, Lake, and Mendocino, Comprising Sketches of Their Topography, Productions, History, Scenery and Peculiar Attractions* (Napa City, CA: Reporter Publishing House, 1873), 181, 189.
[19] Weber, *Roots of the Present*, 45; Menefee, *Historical and Descriptive Sketchbook*, 58; Verado, *Napa Valley,* 39, 89-91.
[20] Warren James Belasco, *Americans on the Road: From Autocamp to Motel 1910-1945* (Baltimore, MD: John Hopkins University Press, 1979) 59-6, 63-69; Otterstrom, Samuel, "The Influences of Transportation and Geography on the Settlement and Development of Lake County, California," *Journal of the West,* 2003, 39; Donna Hoberg, *Images of America Resorts of Lake County* (Charleston, N.C.: Arcadia Publishing, 2007) 7.

acres of Napa Valley was planted with grapes. In the 1870s the crop was established enough that viticulture clubs began to form so the owners could share information on techniques and varietals. At this time, the insect phylloxera attacked vineyards in France and elsewhere in Europe greatly reducing that continent's wine production, providing an opportunity for the burgeoning wine industry in Napa. The market void occurred just as Napa was increasing its production and provided new markets for Napa wine. It was in this period that Jacob Beringer established his vineyard and wine cellars in St. Helena at the southern end of the APE. Beringer had learned viticulture from Charles Krug working as his cellar foreman, and developed his own extensive facility from the small vineyard he purchased (Map Reference #2).[21]

Napa's early wine industry, however, faced a variety of issues. The rapid growth of vintners quickly swamped the market and their products had mixed results. While Krug and Beringer focused on high quality products, many other vintner's produced lower quality wines, and California wines were unable to succeed in national and international markets at the time. National economics and taxes took a toll on the early vintners and in the 1890s phylloxera struck Napa valley's grapes. By 1893 half of Napa's vineyards were infested with the louse, dramatically diminishing output into the twentieth century.[22]

Wine production in Napa Valley rebounded in the first two decades of the twentieth century. The industry's early trials reduced the amount of poor-quality wine produced, and vintners found new strains of phylloxera-resistant grapes. Among the more successful varieties came from bench grafting fine wine vines on a hardier root stock. Bismarck Bruck, a nephew of Charles Krug, initiated the process, and the first resistant vineyards were planted in 1902. Vineyardists of various sizes participated in the revival. Smaller vineyards that were unable to wait for their wine to mature sold their crops to cooperatives that produced wine from the amalgamated crops. In contrast to the small grape produces, Charles Carpy created the California Wine Association (CWA) which included numerous wineries and crop lands producing thousands of gallons of wine. During this revival Lombarda Cellars (now Freemark Abby, Map Reference #5), Larkmead, and the Bourn & Wise Cellars (now the Culinary Institute of American and formerly Christian Brothers/ Greystone Cellars) developed between St. Helena and Calistoga.[23]

Napa Valley farmers and vintners struggled with high freight costs following the Southern Pacific Railroad's acquisition of the Napa Valley Railroad in 1898. In response, and to help lower the costs of moving people and agricultural produce, the county embraced the creation of the Vallejo, Benicia and Napa Valley electric interurban railroad to compete with Southern

[21] Verado, *Napa Valley,* 46,48,49,51,
[22] Verado, *Napa Valley,* 51-52; Weber, *Roots of the Past,* 19.
[23] Weber, *Roots of the Past,* 25-26, 87; Verado, *Napa Valley,* 54, 56.

Pacific. This railroad reorganized as the San Francisco, Napa and Calistoga Railroad and reached Calistoga in 1910. [24]

Despite the positive growth in Napa wineries during the 1900s and 1910s, trouble loomed on the horizon. Growing agitation against the sale and consumption of alcohol concerned growers. The Eighteenth Amendment became effective in 1920 banning the production, sale, and transportation of intoxicating liquors. The Volstead Act provided the regulatory and punitive framework to enforce Prohibition. While dozens of valley winemakers were raided and arrested by federal law enforcement, vintners also looked to exceptions in the act for a means to continue their livelihood. Those who persevered through Prohibition did so through the sale of sacramental wines and wines permitted for medicinal uses. Others found markets for unfermented grape juices, as well as products for innovative home vintners. The specialized wine grape varieties that had been developed in the early part of the century, however, proved difficult to apply to alternate uses. These grapes provided a dull unfermented juice, and were unsuited to shipping as table grapes. As a result, some vineyards were replanted with new varieties.[25]

Various shifts in agriculture occurred in Napa Valley during Prohibition in the 1920s and the Great Depression in the 1930s. Some Upper Napa Valley land owners sold to San Francisco Bay Area investors during the period leading up to the passage of the Eighteenth Amendment, and others expanded cooperative efforts, many moving away from growing grapes. The Farm Bureau had expanded in Napa County with 17 chapters in the county by 1918, including centers on Lodi Lane and at Tucker, near what is now Bothe-Napa Valley State Park. The Tucker Farm Bureau center attracted not just farmers interested in learning best practices and information on marketing their goods, but also non-farming residents who formed the non-profit Tucker Farm Center Corporation as an additional booster organization. During this period many Napa Valley farmers switched from grapes to plums, and by 1928 prunes (dried plums) brought more money to Napa County than grapes. This occurred, in part, because the grape market collapsed as demand for alternate uses decreased and home wine efforts waned in the face of easily available bootlegged hard liquor. While prunes provided more money than grapes for several years, walnuts were also a relatively successful alternate crop during this period. During the Depression attempts to reenergize the economy in Napa Valley had minimal effect. Fruit Industries, Inc. was to be a cooperative marketing and price stabilization tool for vineyardists in California. In order to secure federal subsidies 85% of California vineyardists had to join. Napa Valley vineyardists wary of federal involvement largely declined to participate. Their wariness proved justified when prices for grape varieties were fixed for the benefit of Central Valley raisin growers, which widened a rift between Napa Valley and Central Valley

[24] Weber, *Roots of the Past,* 46-47, 51, 101; Verado, *Napa Valley,* 39, 40; Lin Weber, *Prohibition in the Napa Valley: Castles Under Siege* (Charleston, SC: American Palate, a division of The History Press, 2013), 99, 102, 240-241.
[25] Verado, *Napa Valley,* 58; Weber, *Roots of the Past,*174.

vineyardists. While Prohibition was repealed in 1933, the Depression continued to impact Napa Valley vintners and slowed the revival of the industry as the demand for fine wines had plummeted both domestically and internationally. Only 15 large wineries and miscellaneous bootleggers survived Prohibition in Napa County. Charles Forini helped the wine industry revive by matching new owners with defunct operations. In addition, the reputation of California wines had been diminished by Central Valley vintners producing inferior product that was now associated with the state. Also, thirteen years of Prohibition had reduced knowledge about the qualities of fine wine, both among both vintners and drinkers, resulting in easily bootlegged liquors and soft drinks being in a more prominent position. California vintners formed the Wine Institute in 1934 to again share information on the growing and fermenting of fine wines.[26]

Means of transportation in Napa Valley also shifted during the 1920s and 1930s. As occurred in many areas of the state, the rapid increase in automobile and truck use during this period led to various road improvements and decrease railroad operations. The county road on the west side of the valley that became SR 29 was paved, which led to new residential and commercial developments along its route shifting such development from the nodes along the railroad line. Resorts reshaped themselves for the auto-touring public, including the development of Bothe Paradise Park along the county road. This continued the democratization of the resorts and the growing focus upon recreation that began around the turn of the century. The improved county road to Calistoga also upgraded vehicle access into Lake County linking northern Napa Valley more closely with the resort culture in Lake County. At this time, Southern Pacific ceased passenger service through Napa Valley, running its last train to Calistoga in 1929. With the west side county road's growing importance in regional transportation, the State incorporated the county road into the state highway system in 1933. Silverado Trail was later improved with assistance from the Public Works Administration in 1936.[27]

World War II had indirect impacts on Napa Valley. While Napa County's population increased about 50% during the war, much of that growth and the economic impact occurred elsewhere in the county and at the southern end of the valley, particularly with the large influx of wartime workers at the Mare Island Shipyards in Vallejo and, to a smaller extent, shipbuilding operations in the city of Napa. The increased population led to construction of new housing. In the mid-valley around St. Helena there was limited growth surrounding the reintroduction of wineries, which also aided the war effort by supplying byproducts from wine making, such as tartar and tannic acids, for the manufacture of arms and ammunition. Valley agriculturalists struggled to find workers as the shipyards drew away workers. There were times when crops went

[26] Weber, *Roots of the Past,* 22-23, 121, 182, 187, 189, 194-195, 213-215, 219; "Center Incorporates," *Sacramento Bee,* July 31, 1920; "Directory," *Napa County Farm Bureau Monthly*, IV:7 (September 1918) 3.
[27] Ben Blow, *California Highways* (San Francisco: H.S. Crocker Co., Inc., 1920)187-189; Weber, *Roots of the Past,* 189, 194-195; Verado, *Napa Valley,* 39, 96.

unharvested, and there were staff shortages at processing facilities. The bracero program brought some Mexican agricultural workers to Napa Valley to help in the vineyards and orchards during the war. By the end of World War II a few high-quality vintners were firmly established in the valley. [28]

Following World War II and for the latter half of the twentieth century, Napa Valley experienced enormous changes. The number high-quality vintners grew from a handful at the end of the war to 50 by 1970. The new vintners represented a spectrum of sizes and organizations including large corporations, cooperatives, and specialized wineries. During the second half of the twentieth century Napa Valley wineries faced competition from large Central Valley mass produced wines, and thus the focus became to associate Napa with fine wines. This effort was led by the Napa Valley Vintner's Association. The Mondavi family purchased the former Krug winery and spearheaded marketing efforts for the association. One of Mondavi's prominent strategies was to produce a general line of wines listed generally as California wines, and separate a line of fine wines using the Charles Krug name highlighting the connection to Napa Valley. Other vintners who had purchased older established wineries followed the example. Careful marketing and publicity soon separated Napa Valley wines from California wines in general. Another key part of the marketing strategy was opening tasting rooms at the wineries, and later establishing exclusive paid tastings. These tastings began to merge the agricultural and history tourism of Napa. The reputation of Napa's wine grew internationally.[29]

During the post war and mid twentieth century economic expansion, rapid population growth meant that farmland, resort areas, and other open space, like that found in Napa Valley, was prime development territory. For example, approximately six hundred new residences were built in the 1950s and 1960s in and around Calistoga, with demand driven in part by the need for workers' housing. Public opinion in the early years was split over development. The mix of land conservation and business development can be seen in the development of Bothe-Napa Valley State Park. When R. Bothe began offering Paradise Park for sale, options included harvesting timber and selling residential tracts. In 1957 the governor authorized the purchase of the park for a state park. Calistoga businesses viewed this as a boon to their growing recreational sector, as long as park amenities did not compete with local business. To preserve farmland the Napa County Board of Supervisors created Agricultural Preserve zoning districts in 1968 under pressure from agricultural interests. This limited the subdivision of land outside city limits. The rural expanse between St. Helena and Calistoga currently encompasses a 4,136-acre area designated as Agricultural Preserve. The County's Agricultural Preserve zoning followed soon

[28] Weber, *Roots of the Past,* 224, 240, 261, 272; Verado, *Napa Valley,* 97-98.
[29] Weber, *Roots of the Past,* 220, 282, 294-296; Verado, *Napa Valley,* 58-590; Charles L. Sullivan, *Napa Wine: A History from Mission Days to Present* (San Francisco, CA: The Wine Appreciation Guild and the Napa Valley Wine Library Association, 2008) 250-255; The Napa Valley Museum and Lin Weber, *Napa Valley Wine County* (Images of America) (San Francisco, CA: Arcadia Publishing, 2004), 110.

after passage of the California Land Act of 1965, known as the Williamson Act, which allowed landowners statewide to reduce their property tax by committing to retain their land as open space. In preserving the agricultural use, any new development within lands under Williamson Act contract must be related to the agricultural use of the land; thus, size and type of new buildings are restricted.[30] Napa County implemented the act in 1969 and this too influenced the preservation of agricultural land in Napa Valley, including the area between St. Helena and Calistoga east and north of SR 29. Much of the area between SR 29 and the Silverado Trail from around Big Tree Road to Dunaweal Lane is prime agricultural land protected under Williamson Act contracts and Napa County zoning. This has contributed to the preservation of upper Napa Valley's rural setting and the lack of urban development in the area over the last 50 years.[31]

These protections arrived just in time for the revolution in Napa wine during the late twentieth century. Vineyards has been replacing plum orchards through the Napa Valley in the 1960s and 1970s. In 1976 wine merchant Steven Spurrier arranged a tasting by famous French tasters that included both French and Californian wines. The results placed California wines in and ahead of the French wines, indicating a parity with what were considered the best wines in the world. The result was a swell of interest in Napa and its wineries. Tourists, workers, and those just wanting to be a part of the valley came in droves, including to St. Helena and Calistoga. This placed additional strains on the divide between agriculture and the cities of the valley. Winery tastings became a massive marketing tool and vintners developed specialized facilities for wine enthusiast tourists. Napa Valley now had a name associated with fine wine, vintners seeking to capitalize on the name brought grapes from the Central Valley to be pressed in Napa Valley. Discussions ensued about what constituted Napa Valley wine and the role of the vineyardist in

[30] Weber, *Roots of the Past,* 290; Verado, *Napa Valley,* 103; James Conway, *Napa The Story of an American Eden* (Boston: Houghton Mifflin Company, 1990) 82-92.

[31] Lawrence J. Jelinek, *Harvest Empire: A History of California Agriculture* (San Francisco: Boyd and Fraser, 1979), 89, 94; City of Calistoga, "Housing Element," *City of Calistoga General Plan* (2014), H-13; California Department of Conservation, "Williamson Act Program," https://www.conservation.ca.gov/dlrp/wa (accessed December 2019); Philip M. Raup, "Disaggregating Farmland Markets," *Government Policy and* Far*mland Markets: The Maintenance of Farmer Wealth* (Ames, Iowa: Iowa State Press, 2003) 19; John E. Reynolds and Warren Johnston, "Micro-markets for Farmland: The Case of Florida and California," *Government Policy and Farmland Markets: The Maintenance of Farmer Wealth* (Ames, Iowa: Iowa State Press, 2003) 367-390; County of Napa, *Napa County General Plan Update, Draft Environmental Impact Report*, February 2007, Figure 4.1-3 "Napa County Williamson Act Lands, 2005;" Napa County Grand Jury, "The Williamson Act in Napa County: Subsidizing a Lifestyle," Final Report, June 15, 2018, available online at https://www.cgja.org/sites/default/files/na_-_the_williamson_act.pdf (accessed January 2020); Napa County Planning, Building & Environmental Services, "Agricultural Preserve" map, January 17, 2018, available online at: https://napagrowers.org/about/AgPreserve (accessed January 2020); "Napa Valley State Park? That's Right!" *Napa Valley Register,* December 17, 1960, 15; "Napa Valley's Paradise Park Once Evoked Yosemite's Ahwahnee," *Napa Valley Register,* May 23, 2016; "State Ready to Buy 1,000-Acre Park Site," *Napa Valley Register,* January 30, 1959, 1; "Governor Signs State Park Bill," *Weekly Calistogan,* July 18, 1957, 1; "Let's Go Exploring," *Weekly Calistogan,* July 18, 1957, 2.

the new wine. Tourism became an increasingly large part of the valley's economy, and today the upper valley is dominated by wineries and tourism.[32]

[32] Conway, *Napa The Story of an American Eden,* 192-206, 385-386, 389, 396, 321-331; Weber, *Roots of the Present*, 29; Weber, *Prohibition in the Napa Valley*, 98; Amalia Babe Cirio, "Mom & Pop Resorts Were Big Business and Big Fun in Old-Time Calistoga," *Weekly Calistogan*, May 4, 2000, 16; Bob Wells, "Calistoga – A Colorful City That Clings to Proud Past," *Santa Rosa Press Democrat*, March 8, 1964, no page; Silverado Country Club and Resort, *Napa Wine County* (Portland, OR: Graphic Arts Center Publishing Company, 1985), 64; Perry Garfinkel, "Calistoga," *Motorland* (July/August 1982), 17, 20.

4 DESCRIPTION OF CULTURAL RESOURCES

4.1 Beringer Winery Historic District (Map Reference #2)

The Beringer Winery Historic District is located on the northwestern edge of St. Helena. The district contains six contributing buildings, a contributing site, and three contributing structures. Two buildings located within the district are non-contributors. The Rhine House located within the district is also individually listed in the NRHP. The buildings include three residences, the distinctive Rhine House with Germanic inspired architecture, the Hudson-Beringer House/ Sisters House; and North House / Jacob Beringer Jr. Residence. The two later houses are two story wood frame residences with the Hudson-Beringer House having an intersecting gable roofline and wide front porch. Palladian windows are located at the gable ends of the building. The North House / Jacob Beringer Jr. Residence has a side gable roof and gable roof dormer over a full width front porch. Three winery buildings contribute to the historic district. These are the three story Old Winery / Wine Cellar, Distillery Building, and Export Building / Office. The circulation pattern between the buildings, the rock wall along the south side of SR 29, and the Elm Tree Canopy/Tunnel that flanks SR 29 contribute to the district.

Photograph 1. Beringer Winery Historic District looking southwest from north side of SR 29. Elm Tunnel in foreground, rock wall in mid ground, and Rhine House in background.

Only the Elm Tree Canopy/Tunnel faces potential impacts from the proposed project. The two lines of trees are interspersed with new plantings especially along the eastern side. The replacement trees at the southern end are in closer alignment with the original trees and those further north are planted slightly east of the original alignment. The overall health was difficult to determine during the dormant winter months. Several of the mature trees had patches of

missing bark indicating previous collisions and damage. Utility poles are interspersed with the trees on both sides of the road. Further east of the existing tree line is a path of square pavers with a low wooden rail. The path is not part of the historic district, but helps delineate the difference between the historic and modern areas of the property.

4.2 Cavanaugh / Wright House (Map Reference #9)

The Cavanaugh-Wright House, located at 3107 St. Helena Highway, features decorative architectural details that are key to the building's design (**Photograph 2**) and is surrounded by elaborate landscaping consisting of decorative concrete curbs and walls. The one-and-one-half-story residence has a side gable roof that includes the open porch along the building's entire east facing façade. The side gable roof slopes lower in the front than in the rear to accommodate the veranda and features a shed-roof dormer with grouped windows across the façade. Wood cutout brackets support the gable and dormer shed roofs on the building's gable walls.

The building's wood-frame construction is sheathed in horizontal wood siding and a cobblestone chimney that protrudes from the center of the building's gable ridge. Original wood windows consist of twelve-over-one fixed picture windows and two-over-one casement windows. The original wood entry door features a grid of nine fixed lights above one large inset panel. Three ancillary buildings consisting of a glove factory/ guest house, garage and shed are located directly southeast of the residence. These buildings do not contribute to the residence's design, and are not considered character-defining features, but they contribute to the setting.

Photograph 2. Main residence camera facing south, January 7, 2020.

4.3 Napa Valley Railroad Calistoga Depot (Map Reference #14)

The Napa Valley Railroad Calistoga Depot, located at 1458 Lincoln Avenue, is California Historical Landmark No. 687 (**Photograph 3**).

The Railroad Depot dominates the east end of Calistoga's main street, Lincoln Avenue. The two story, rectangular building has a wood frame that is sheathed in wood shiplap siding and features distinctive arched vents in each gable end. Additionally, the structure features wood-framed windows and distinguishing delivery door openings. A wooden platform adjoins the building on the east at the height of the large freight doors. The building's addition, platform and railcars to the north, as well as a small outbuilding to the southeast are not character-defining features to the property and have been added since the 1976 listing.

Photograph 3. Calistoga Depot façade, camera facing southwest.

5 FINDINGS AND CONCLUSIONS

5.1 Findings

The APE includes two properties that were previously listed in the NRHP and other properties that were previously determined ineligible including two bridges The Caltrans Historic Bridge Inventory Sheet for these structures is in **Appendix C**. Nine properties in the APE required evaluation. The DPR 523 forms for these, along with National Register nomination forms for the two listed properties, are in **Appendix B**.

The following tables summarize the findings of this HRER:

- Historic properties listed in the NRHP:

Name	Address	Community	OHP Status Code	Map Reference #
Beringer Winery Historic District	2000 Main St.	St. Helena	1D	2
Napa Valley Railroad Calistoga Depot	1458 Lincoln Avenue	Calistoga	1	14

- Historic properties previously determined eligible for the NRHP:

Name	Address	Community	OHP Status Code	Map Reference #
Cavanaugh / Wright House	3107 St. Helena Highway (SR 29)	Calistoga (vic)	3[33]	9

- Resources previously determined *not* eligible for the NRHP:

Name	Address	Community	OHP Status Code	Map Reference #
Bridge 21 0017	SR 29 over York Creek (PM 29.29)	St. Helena (vic)	6Y	1
	2820 St. Helena Highway	St. Helena (vic)	6Y	3
	1199 Lodi Lane / 1190 York Lane*	St. Helena (vic)	6Y	4
	3000 St. Helena Highway*	St. Helena (vic)	6Y	4

[33] Caltrans has submitted this finding to SHPO for concurrence May of 2020.

Name	Address	Community	OHP Status Code	Map Reference #
Freemark Abbey Winery	3022 St. Helena Highway	St. Helena (vic)	6Y	5
Bridge 21 0056	SR 29 over Mill Creek	Calistoga (vic)	6Y	6
Lincoln Avenue Commercial District	Lincoln Avenue	Calistoga	6Y	N/A

*Located on the same parcel

- Historic properties determined eligible for the NRHP as a result of current study: **None**

- Resources determined *not* eligible for the NRHP as a result of current study:

Name	Address	Community	OHP Status Code	Map Reference #
	1189 Lodi Lane	St. Helena (vic)	6Z	4
Napa County Fire Department Station 26	3535 St. Helena Highway	Calistoga (vic)	6Z	7
Lake-Napa-Sonoma Unit Headquarters CDF	1199 Big Tree Lane	Calistoga (vic)	6Z	8
Read / Wright House	3711 St. Helena Highway (SR 29)	Calistoga (vic)	6Z	10
Tucker House	3801 St. Helena Highway (SR 29)	Calistoga (vic)	6Z	11
	1192 Maple Lane	Calistoga (vic)	6Z	12
Twomey Winery	1183 Dunaweal Lane	Calistoga (vic)	6Z	13
Calistoga Air Park	1502-1526 Lincoln Avenue	Calistoga	6Z	15

- Historical resources for the purposes of CEQA:

Name	Address	Community	OHP Status Code	Map Reference #
Beringer Winery Historic District	2000 Main St.	St. Helena	1D	2
Cavanaugh/ Wright House	3107 St. Helena Highway (SR 29)	Calistoga (vic)	3	9
Napa Valley Railroad Calistoga Depot	1458 Lincoln Avenue	Calistoga	1	14

- Resources that are *not* historical resources under CEQA, per CEQA guidelines 15064.5, because they do not meet the CRHR criteria outlined in PRC 5024.1:

Name	Address	Community	OHP Status Code	Map Reference #
	1189 Lodi Lane	St. Helena (vic)	6Z	4
Napa County Fire Department Station 26	3535 St. Helena Highway	Calistoga (vic)	6Z	7
Lake-Napa-Sonoma Unit Headquarters CDF	1199 Big Tree Lane	Calistoga (vic)	6Z	8
Read / Wright House	3711 St. Helena Highway (SR 29)	Calistoga (vic)	6Z	10
Tucker House	3801 St. Helena Highway (SR 29)	Calistoga (vic)	6Z	11
	1192 Maple Lane	Calistoga (vic)	6Z	12
Twomey Winery	1183 Dunaweal Lane	Calistoga (vic)	6Z	13
Calistoga Air Park	1502-1526 Lincoln Avenue	Calistoga	6Z	15

Cheryl Brookshear, who meets the Professionally Qualified Staff Standards in Section 106 PA Attachment 1 as an Architectural Historian, has determined that all other properties present within the APE, including state-owned resources, meet the criteria for Section 106 PA/5024 MOU Attachment 4 (Properties Exempt from Evaluation) (**Table 4**). Exempt property types within the APE include Property Type 1: Minor, ubiquitous, or fragmentary infrastructure elements associated with SR 29; Property Type 2: Buildings, structures, objects, districts, and sites less than 30 years old; Property Type 4: Buildings, structures, objects, districts, and sites 30 to 50 years old; and Property Type 6: Altered Buildings, structures, objects, districts, and sites that appear to be more than 30 years old. No other properties require evaluation.

Table 4. Properties exempted per Section 106 PA.

Name	Address	Community	Exemption Type
Markham Winery	2812 St. Helena Highway	St. Helena (vic)	Type 6
	3050 St. Helena Highway	St. Helena (vic)	Type 4
Turley Wine Cellars	3358 St. Helena Highway	St. Helena (vic)	Type 4/Type 1
Gene's Napa House	1125 Dunaweal Lane	Calistoga (vic)	Type 2
Park and Baseball Field	414 Washington Street	Calistoga	Type 4
	Fairway Avenue	Calistoga	Type 2

5.2 Conclusions

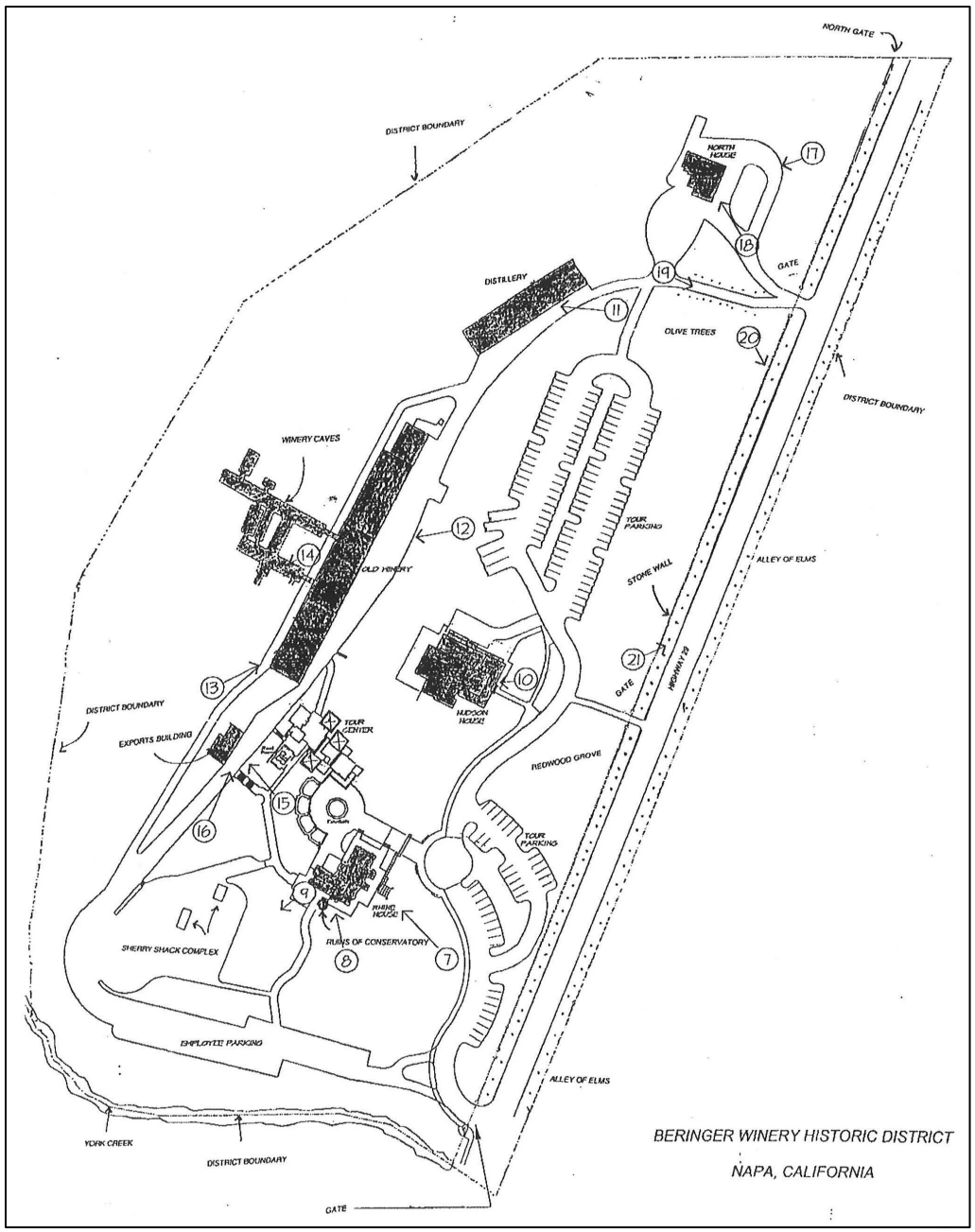
This HRER identifies three historic properties in the APE, i.e. resources listed in or determined eligible for listing in the NRHP. These three properties are the Beringer Winery Historic District at 200 Main Street, St. Helena (Map Reference #2), Cavanaugh/ Wright House at 3107 St. Helena Highway (SR 29) (Map Reference #9), and Napa Valley Railroad Calistoga Depot at 1458 Lincoln Avenue, Calistoga (Map Reference #14). The following subsections provide brief summaries of the significance of these historic properties.

5.2.1 Beringer Winery Historic District, 200 Main Street, St. Helena

The Beringer Winery Historic District was listed in the NRHP in 2001. The district is composed of 10 contributing features, and 2 non-contributing buildings. The district is eligible under NRHP Criterion A at the state level for its association with the development of California viticulture and has a period of significance of 1878 to 1935. Prior to the listing of the Beringer property as a historic district, the Rhine House (also known as the Frederick Beringer Mansion), built in 1883, was listed individually in the NRHP in 1972. It was found significant under NRHP

Criterion C for its architectural significance. The house was designed by Albert Schroepfer. The Rhine House is also California Historic Landmark #814, and both the Rhine House and Hudson-Beringer house (contributors to the district) were included in the Napa Historic Resources Survey conducted in 1978.

The historic district is illustrated in the map below. This map is from the National Register nomination form and the numbering used therein is not specifically explained in the form. However, the contributors are labeled on the map.



The Beringer Winery Historic District Contributors are:

- Beringer Site with landscape elements
- Stone Wall and Entry Gates (adjacent to SR 29)
- Elm Tree Canopy / Tunnel (flanking SR 29)
- Beringer Property Circulation Routes
- Hudson-Beringer House (1852 / 1883)
- Old Winery (1877, additions 1880 and ca. 1935)
- Rhine House (1883-84)
- North House / Jacob Beringer Jr. Residence (1915)
- Distillery Building (1935)
- Office / Export Building (pre-1889, modified 1935)

The National Register nomination form for the Beringer Winery Historic District details the character and design of the buildings and discusses the characteristics of the property's site and landscaping. The nomination form provides the following summary description of the district:

> The Beringer Winery Historic District is located at the north end of St. Helena, in Napa County, California along the west side of State Highway 29. Rural in character and easily identified by an alley of elm trees lining Highway 29, the Beringer Winery consists of approximately eight acres with one contributing site and six contributing buildings. There are also two non-contributing buildings present within the limits of the district boundaries. When originally purchased by the Beringer Brothers, the tract of land consisted of 215 acres that ran from the Napa River, along the south boundary of Charles Krug's property, west across the county road, and into the wooded hillside to the upper waters of York Creek. The initial acreage included a vineyard, with cultivated lands extending east to the Napa River. The Beringers developed the property along both sides of the county road; however, with the exception of a low stone wall and the elm trees, today there are no historic resources present on the east side of the road. At the property's west side, Jacob Beringer occupied an existing house, then began construction of a stone winery set into the hillside to accommodate stone aging caves. As wine production increased, support structures such as distilleries, storage facilities, offices, and fermenting houses were erected. Additionally, a residential component of the property was developed to allow the family to live adjacent to the operating winery. Overall, the district retains a high degree of integrity of location, setting, feeling, association, design, materials and workmanship with the property looking much like it did historically, during the period of significance (1878 - 1935). The property was developed by the Beringer family from 1878, when the construction was completed on the winery, through1935 when the last major building campaign was completed under Beringer direction as a result of increased wine production after the demise of Prohibition. While some of the storage buildings and the small stone castle -like distillery building have been lost, the residential buildings, the winery, the office, a distillery building, as well as major site circulation' routes imperative to wine production remain intact. This is one of

> the few winery sites in the Napa Valley where the historical setting and the relationship of the winery facility, vineyard lands, residential precincts, and site circulation is extant, as evidenced in the 1878 Smith & Elliott *Illustrations of Napa County California with Historical Sketch* and Sanborn Maps of the property.[34]

The historic district encompasses approximately eight acres. The character-defining features of the historic district include the architecture and design of the individual contributors, along with the circulation routes and significant landscape elements. Important relative to the project along SR 29 is the Elm Canopy / Tunnel (also referred to as an alley or allee) planted in the late 1880s. This is a distinct boundary marker for the Beringer property. The elms are now around 135 years old and suffering disease. As a consequence, they are approaching the end of their lifespan. In 2012, Caltrans and the City of St. Helena reached an agreement to begin the process of removing deceased and dangerous trees and replanting them with elm saplings. At that time, 45 new trees were planted where earlier trees had been removed. In 2017, three trees just north of the Beringer entry gate were removed to improve sight lines for drivers leaving the winery. Arborist John Leffingwell prepared a report on all the trees, replanted (56) and original (88) in 2019. Seven trees were found to be in poor health or posed a safety risk. The City of St. Helena and Caltrans have distinct responsibilities in the maintenance and continued replanting process. The St. Helena Beautification Foundation assists in funding maintenance and replacement. Treatment of the Elm Tunnel as a contributor to the historic district entails preserving original material, which is organic and will eventually fail, and reconstructing the tunnel with new trees. The gradual replacement of the trees preserves the Elm Tunnel and its historic integrity. In turn, even though the original trees will eventually be removed, the continued treatment of the Elm Tunnel supports retention of overall integrity of the historic district. There is also a path of square pavers with a low wooden rail situated on the east side of the tree tunnel. This is a contemporary path and is not a contributor to the historic district.

Other prominent landscape features include the stone wall with entry gates along the west side of the highway, with some remnants on the east side of the highway across from the entry driveway, along with large palms trees in the front lawn of the Rhine House, various large oak trees, and a grove of Redwood trees near the Hudson House. North House also has its own landscaped wall and planted features.

5.2.2 Cavanaugh/ Wright House at 3107 St. Helena Highway

The property at 3107 St. Helena Highway (SR 29) meets the criteria for listing in the NRHP and CRHR under NRHP Criterion C/ CRHR Criterion 3 at the local level for its embodiment of bungalow architecture. It has a period of significance of 1916, reflecting its original

[34] M. Bridget Maley, Architectural Resources Group, "National Register Nomination Form, Beringer Winery Historic District," prepared February 2001, Section 7, Page 1.

construction date. The boundaries of the historic property are based upon its assessor parcel. The contributing buildings include the residence, garage, ancillary building, and cottage. The property is not significant under Criteria A/1, B/2, or D/3.

This residence is a quality local example of California Craftsman architecture from the early twentieth century and is eligible under NRHP Criterion C and CRHR Criterion 3. The bungalow was a common building form in California in the first three decades of the twentieth country. The low- pitched roof and compact, wide form made it comfortable in the warm climate. The bungalow also included wide porches recessed under the roof. Many simple examples of the form are found throughout the state, and may include small elements of popular styles of the time. Fewer examples, like this one, show a consideration of style throughout the building and integrated with the overall design. The practical aspects of the bungalow were compatible with the Arts and Crafts/ Craftsman philosophy. The Arts and Crafts movement spurned the machine made. In the United States the architecture derived from the movement is named Craftsman, as the construction was supposed to reveal the work of the craftsmen who worked on the building. Carpentry was a key component of the style with exposed rafter tails, and brackets highlighting the work of the frame underneath, as seen in the brackets of this house. The asymmetric window organization with multiple small lights in the upper section and the large lights below, calls attention to the work of the carpenter in the large first floor windows. The philosophy of the style also called to mind a simple and more casual life that integrated the outdoors and porches were integral to the style. This residence includes not only the full width porch under the roofline, but also a second level, semi enclosed porch under the front dormer. Tapered wood pillars supported on high bases, and the low flattened arches blend the delineation of the front porch with a clear view of the outdoors and integration of the residence with the outdoors is further assisted by the curved driveway approaching the house. The effect is strengthened with the use of natural materials including the stone exterior chimney and porch base.[35] The residence has a compact rectangular form and symmetrical façade associated with Colonial Revival architecture of the period. As at any time, the general populace was less concerned with the architectural philosophies behind the styles, and selected features which were aesthetically pleasing to them. The organization of the building and integration of design elements within this house indicate an awareness and fluency in popular architecture of the time. This is a late example of the type and styles expressing a mature understanding of the housing type and styles.

This property has integrity of location, design, materials, workmanship, feeling, setting and association. The exterior of the residence and outbuildings maintain their appearance following the 1936 remodel of the property. The character-defining features of the residence are its compact rectangular form, low pitched roof, long semi-enclosed dormer, wood siding, and full width front porch. Decorative character-defining features include the tapered porch supports, stone chimney and porch base, , asymmetric window frames featuring large and small lights,

[35] Gelernter, *A History of American Architecture,* 208-209.

and roof brackets. The associated out buildings are not direct contributors, but are an integral component of the rural setting where such facilities were needed. The historic property boundaries on the north and south and east are the same as the parcel boundary, and on the west the historic property boundary is limited to the landscaped area that ends with the curb extending from the west side of the Cavanaugh /Wright garage.

5.2.3 Napa Valley Railroad Calistoga Depot, 1458 Lincoln Avenue, Calistoga

The Calistoga Depot was declared a California Historic Landmark in 1959 and was listed in the NRHP in 1976. The building was also recorded in the Napa County Historic Resources Survey in 1978, and the City of Calistoga has identified the depot at a Primary Historic Resource in the *City of Calistoga 2003 General Plan Update.*

Prior to this study, the last known field check of the Calistoga Depot was in 2013 when the adjacent platform addition and converted railroad cars were noted. Not discussed at the time, but visible in aerial photographs, is a small addition near the southwest corner that once housed a modern kitchen. This is attached to the main building via an enclosed hallway. The addition uses the same siding as the building and wooden four over four windows. The solid doors and roof vents are the clearly modern aspects of the building. The Depot was under renovation during the site visit for this report and portions of the foundation excavated and visible. None of the visible activities indicate significant changes will be made to the building exterior.

None of the previous recordations explicitly stated the significance of the property, its period of significance, boundaries, and character-defining features. Review of the compiled data indicates that the property is significant under NRHP Criterion A at the local level for its association with the development of the Napa Valley, specifically resort and agricultural growth in and around Calistoga. The period of significance is understood to be from 1868 when the depot first began serving Calistoga to 1929 when passenger service stopped. The NRHP nomination states that the building was located on an acre of land. A parking area (APN 011-211-013) has been separated from the legal parcel on which the depot sits (APN 011-211-012). These two parcels appear to be the original listed property. The rectangular footprint of the depot building is the sole resource on the property. The building's addition, platform and railcars to the north, and small outbuilding to the southeast do not contribute to the property and have been added since the 1976 listing. Those buildings and structures are not character-defining features. The character-defining features of the building are its simple plan, size in comparison to surrounding buildings, general form, wood siding, distinctive arched vents in each gable end, wood-framed windows, and delivery door openings. The building retains the yellow paint color with brown trim that is the historically appropriate paint scheme for the property as a Southern Pacific Railroad facility. This paint scheme is also character defining.

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7 PREPARERS' QUALIFICATIONS

This HRER was conducted under the general direction of Christopher D. McMorris (M.S., Historic Preservation, Columbia University, New York), a Principal at JRP with over 21 years of experience conducting these types of studies. Mr. McMorris provided overall project direction and guidance; conducted research; and reviewed and edited this report. JRP Staff Historian Cheryl Brookshear (M.S., Historic Preservation, University of Pennsylvania) conducted fieldwork and research, and prepared this report and DPR 523 forms. Ms. Brookshear has eleven years of experience. Based on their levels of experience and education, both Mr. McMorris and Ms. Brookshear meet and exceed the Secretary of the Interior's Professional Qualification Standards (as defined in 36 CFR Part 61) under History and Architectural History. They also both meet Caltrans' Professionally Qualified Staff Standards in Section 106 PA Attachment 1 as a Principal Architectural Historian.

Research Assistant Angela Rothman (M.A., Public History, California State University, Sacramento), assisted in fieldwork, research, and preparation of DPR 523 forms.

APPENDIX A

(CONFIDENTIAL)

Figures

APPENDIX B

(CONFIDENTIAL)

State of California Department of Parks and Recreation

(DPR) 523 Forms

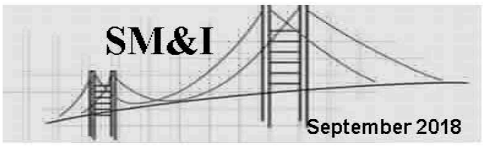
and

National Register Nomination Forms

APPENDIX C

Caltrans Historic Bridge Inventory Sheet

Structure Maintenance & Investigations



Historical Significance - State Agency Bridges

District 04

Napa County

Bridge Number	Bridge Name	Location	Historical Significance	Year Built	Year Wid/Ext
21 0001	HUICHICA CREEK	04-NAP-121-0.75	5. Bridge not eligible for NRHP	1968	
21 0002	CARNEROS CREEK	04-NAP-121-2.40	5. Bridge not eligible for NRHP	1954	1985
21 0003	TULUCAY CREEK	04-NAP-121-6.42-NAP	5. Bridge not eligible for NRHP	1918	1963
21 0005	GARNETT CREEK	04-NAP-029-39.08	1. Bridge is on NRHP	1902	
21 0014	DRY CREEK	04-NAP-029-16.48	5. Bridge not eligible for NRHP	1970	1997
21 0016	SULPHUR CREEK	04-NAP-029-28.43-SHLA	5. Bridge not eligible for NRHP	1910	1975
21 0017	YORK CREEK	04-NAP-029-29.29-SHLA	5. Bridge not eligible for NRHP	1902	1942
21 0018	NAPA RIVER	04-NAP-029-37.03-CSTG	5. Bridge not eligible for NRHP	1919	1952
21 0019	HOPPER SLOUGH	04-NAP-128-5.12	5. Bridge not eligible for NRHP	1921	
21 0020	NAPA RIVER	04-NAP-128-5.25	5. Bridge not eligible for NRHP	1981	
21 0021	CONN CREEK	04-NAP-128-R7.41	5. Bridge not eligible for NRHP	1973	
21 0022L	NAPA CREEK	04-NAP-029-11.65-NAP	5. Bridge not eligible for NRHP	1964	
21 0022R	NAPA CREEK	04-NAP-029-11.65-NAP	5. Bridge not eligible for NRHP	1949	1970
21 0027	CYRUS CREEK	04-NAP-128-3.74	5. Bridge not eligible for NRHP	1993	
21 0039	BASALT ROAD UC	04-NAP-221-1.50-NAP	5. Bridge not eligible for NRHP	1944	
21 0040	AMERICAN CANYON CREEK	04-NAP-029-0.56	5. Bridge not eligible for NRHP	1943	1970
21 0043L	LOMBARD OH	04-NAP-029-R2.37	5. Bridge not eligible for NRHP	1979	
21 0043R	LOMBARD OH	04-NAP-029-R2.37	5. Bridge not eligible for NRHP	1979	
21 0047	CALIFORNIA DRIVE UC	04-NAP-029-19.04-YNTV	5. Bridge not eligible for NRHP	1959	1970
21 0048	CRAIG CREEK	04-NAP-029-14.11-NAP	5. Bridge not eligible for NRHP	1958	
21 0049	NAPA RIVER BOH	04-NAP-029-R6.99	5. Bridge not eligible for NRHP	1977	
21 0051	PERFUME CREEK	04-NAP-029-17.81-YNTV	5. Bridge not eligible for NRHP	1963	
21 0056	MILL CREEK	04-NAP-029-32.06	5. Bridge not eligible for NRHP	1895	1940
21 0057	RITCHIE CREEK	04-NAP-029-33.13	5. Bridge not eligible for NRHP	1900	1940
21 0060	DIAMOND MOUNTAIN CREEK	04-NAP-029-35.73	5. Bridge not eligible for NRHP	1905	1988
21 0062	SODA CREEK	04-NAP-128-18.55	5. Bridge not eligible for NRHP	1910	1955
21 0064	CAPELL CREEK	04-NAP-121-18.59	5. Bridge not eligible for NRHP	1930	1959
21 0068	BLOSSOM CREEK	04-NAP-128-2.80	5. Bridge not eligible for NRHP	1901	1993
21 0071L	SUSCOL CREEK	04-NAP-029-R6.08	5. Bridge not eligible for NRHP	1981	
21 0071R	SUSCOL CREEK	04-NAP-029-R6.08	5. Bridge not eligible for NRHP	1915	1944
21 0074	SAGE CREEK	04-NAP-128-11.26	5. Bridge not eligible for NRHP	1945	
21 0077	TULUCAY CREEK (CAYETANO CREEK)	04-NAP-121-R5.71	5. Bridge not eligible for NRHP	1949	1997
21 0078	CAPELL CREEK	04-NAP-128-20.23	5. Bridge not eligible for NRHP	1956	
21 0081	WRAGG CREEK	04-NAP-128-27.90	5. Bridge not eligible for NRHP	1955	
21 0086L	IMOLA AVENUE SEPARATION (29/121)	04-NAP-029-R10.38-NAP	5. Bridge not eligible for NRHP	1961	
21 0086R	IMOLA AVENUE SEPARATION (29/121)	04-NAP-029-R10.38-NAP	5. Bridge not eligible for NRHP	1961	
21 0087	OLD SONOMA ROAD OC	04-NAP-029-10.70-NAP	5. Bridge not eligible for NRHP	1961	
21 0088	FIRST STREET OC	04-NAP-029-11.55-NAP	5. Bridge not eligible for NRHP	1964	
21 0089	LINCOLN AVENUE OC	04-NAP-029-12.04-NAP	5. Bridge not eligible for NRHP	1967	
21 0094L	FIFTH AVENUE UC	04-NAP-029-R6.63	5. Bridge not eligible for NRHP	1981	
21 0094R	FIFTH AVENUE UC	04-NAP-029-R6.64	5. Bridge not eligible for NRHP	1981	
21 0096Z	NAPA CREEK BICYCLE BRIDGE	04-NAP---NAP	5. Bridge not eligible for NRHP	1975	

APPENDIX D

Correspondence

Communication Log

JRP Historical Consulting LLC
2850 Spafford Street, Davis, CA 95618
Phone (530) 757-2521 / Fax (530) 757-2566

Project	Vine Trail St. Helena to Calistoga
Project No.	EA: 04-2Q260/ E-FIS 0418000447
Subject	Contacting interested parties re: historic resources
Client	Napa Valley Transportation Authority
Notes Prepared By	Cheryl Brookshear, Staff Historian, JRP Historical Consulting, LLC

Participants	Notes
Sharpsteen Museum 1311 Washington Street Calistoga, CA 94515 Info@SharpsteenMuseum.org	• Letter sent January 22, 2020 • Follow up e-mail Sent March 10, 2020 • Museum board member Bev Barnes responded March 10, 2020 requesting information about the trail crossing State Route 29. Forwarded to NVTA and Vine Trail Coalition. • NVTA responded to Barnes on March 11, 2020 providing information about the trail crossing State Route 29.
Bonnie Thoreen, Office Manager St. Helena Historical Society PO Box 87 St. Helena CA bthoreen@gmail Shstory@shstory.org	• Letter sent January 22, 2020 • February 2, 2020 e-mail acknowledging receipt sent to JRP. • February 7, 2020 Mariam Hovanesian Hansen responded with mails listing known resources in the area, and opposing any alterations to the Sulphur Creek and York Creek Bridges.
Robert Louis Stevenson Museum 1490 Library Lane PO Box 23 St. Helena, CA 94574 Info@stevensonmuseum.org	• Letter sent January 22, 2020 • Follow up e-mail Sent March 10, 2020
Elmshaven 125 Glass Mountain Lane St. Helena, CA 94574 dermshar@puc.edu	• Letter sent January 22, 2020 • Follow up e-mail Sent March 10, 2020
St. Helena Public Library 1143 Library Lane St. Helena 94574	• Letter sent January 22, 2020 • Follow up e-mail Sent March 10, 2020 • Library director responded via email on March 11, 2020 stating the library has no concerns about the project.

Communication Log

JRP Historical Consulting LLC
2850 Spafford Street, Davis, CA 95618
Phone (530) 757-2521 / Fax (530) 757-2566

Participants	Notes
Napa County Historical Society PO Box 10527 Napa, CA 94581 707-224-1739	• Letter sent January 22, 2020 • JRP discussed project with staff during research visit on January 22, 2020.
Calistoga Planning Commission 1232 Washington Street Calistoga, CA 94515 plans@ci.calistoga.ca.us	• Letter sent January 22, 2020 • Follow up e-mail Sent March 10, 2020 • City of Calistoga responded that they had no comments March 10, 2020.
Napa Main Library 580 Coombs St Napa, CA 94559	• Letter sent January 22, 2020 • Follow up e-mail Sent March 10, 2020
Calistoga Branch Library 1108 Myrtle St Calistoga, CA 94515	• Letter sent January 22, 2020 • Follow up e-mail Sent March 10, 2020
Napa County Regional Park and Open Space District/ Napa Valley State Park Association Beale Grist Mill and Bothe Park 3801 St. Helena Hwy North Calistoga, CA 94515 info@napavalleystateparks.org	• Letter sent January 22, 2020 • February 9, 2020 Kathleen Carrick, board member, asked to be included as an interested party and requested to receive continued information about the project.
Napa County Landmarks 1754 Second Street Suite E Napa, California 94559 info@napacountylandmarks.org	• Letter sent January 22, 2020 • Letter received via e-mail February 4, 2020 providing list of known resources in the area.
David Morrison Napa County Planning Commission 1195 Third Street Suite 210 Napa, California 94559 planningcommissionclerk@countyofnapa.org	• Letter sent January 22, 2020 • Follow up e-mail Sent March 10, 2020

Communication Log

JRP Historical Consulting LLC
2850 Spafford Street, Davis, CA 95618
Phone (530) 757-2521 / Fax (530) 757-2566

Participants	Notes
Aaron Hecock St. Helena Planning Commission 1480 Main Street St. Helena, CA 94574 ahecock@cityofsthelena.org mderosa@cityofsthelena.org	• Letter sent January 22, 2020 • Follow up e-mail Sent March 10, 2020 • Maya Derosa, City Planning and Building Director, responded via email on March 11, 2020, providing map and address list of known historic resources in St. Helena.
California State Parks Maria Mowrey, District Supt., Bay Area District 845 Casa Grande Road Petaluma, CA 94954	• Letter sent January 22, 2020 • Response from Noah M. Stewart on February 4, 2020 indicating known resources on Napa Valley State Park.

NAPA VALLEY TRANSPORTATION AUTHORITY

January 10, 2020

Re: Vine Trail Project – Calistoga to St. Helena

To Whom It May Concern:

The Napa Valley Transportation Authority in partnership with the Napa Valley Vine Trail Coalition, and with assistance from the California Department of Transportation (Caltrans), is proposing to construct a Class 1 mixed-use path for pedestrians and cyclists from Calistoga to American Canyon. The current project involves the construction of the path in the City of Calistoga from Lincoln Avenue to the existing trail at the southeastern end of Washington Street, and from Dunweal Lane outside Calistoga to Pratt Lane in St. Helena. The path largely follows State Route 29 and will be constructed in existing right of way, on state property, and on easements granted by property owners to the County of Napa (see enclosed map). The project will be funded, in part, through local, state, federal, and private sources. As a result, the project is required to comply with Section 106 of the National Historic Preservation Act of 1966 (regulations Title 36 Code of Federal Regulations, Part 800) and the California Environmental Quality Act (CEQA), both which mandate public agencies to consider the effects of projects on historic properties (i.e., properties listed in or eligible for listing in the National Register of Historic Places or California Register of Historical Resources).

Two previously identified historic properties are located in the Area of Potential Effects. These are the National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) listed Beringer Historic District and the Napa Valley Railroad Calistoga Depot. The Calistoga Depot is also California Historic Landmark #687. The path crosses portions of the previously studied Bothe –Napa Valley State Park. JRP Historical Consulting, LLC (JRP) has been retained to conduct an inventory and evaluation of those resources and additional potential historic resources that may be affected by the project. JRP is determining whether such properties are eligible for listing in the NRHP and/or CRHR. JRP's work is part of the environmental studies process for the proposed project and is being conducted for compliance with Section 106 and CEQA.

The purpose of this letter is to invite you and your organization to participate in the environmental process as it relates to historic resources for this project. A list of organizations receiving this letter is enclosed. Please let us know if you, your organization, or other members of the public have concerns or knowledge related to known historic resources in the area, or wish to continue to receive information about historical resource investigations related to the project. Please respond or acknowledge receipt by letter to JRP Architectural Historian Cheryl Brookshear at 2850 Spafford Street, Davis, CA, 95618, or via email to cbrookshear@jrphistorical.com, within the next thirty days. Please note this is not a request for research, just for information about known historical resources. Thank you.

Sincerely,

Rebecca Schenck
Principal Planner

Letter Recipients

Sharpsteen Museum
1311 Washington Street
Calistoga, CA 94515
Info@SharpsteenMuseum.org

Bonnie Thoreen, Office Manager
St. Helena Historical Society
PO Box 87
St. Helena CA
bthoreen@gmail
Shstory@shstory.org

Robert Louis Stevenson Museum
1490 Library Ln
PO Box 23
St. Helena, CA 94574
Info@stevensonmuseum.org

Elmshaven
125 Glass Mountain Ln
St. Helena, CA 94574

St. Helena Public Library
1143 Library Ln
St. Helena 94574

Napa County Historical Society
PO Box 10527
Napa, CA 94581
707-224-1739

Calistoga Planning Commission
1232 Washington Street
Calistoga, CA 94515

Napa Main Library
580 Coombs St
Napa, CA 94559

Calistoga Branch Library
1108 Myrtle St
Calistoga, CA 94515

Napa County Regional Park and Open Space District/
Napa Valley State Park Association
Beale Grist Mill and Bothe Park
3801 St. Helena Hwy North
Calistoga, CA 94515
info@napavalleystateparks.org

Napa County Landmarks
1754 Second Street Suite E
Napa, California 94559
info@napacountylandmarks.org

David Morrison
Napa County Planning Commission
1195 Third Street Suite 210
Napa, California 94559

Aaron Hecock
St. Helena Planning Commission
1480 Main Street
St. Helena, CA 94574
ahecock@cityofsthelena.org

California State Parks
Maria Mowrey, District Supt., Bay Area District
845 Casa Grande Road
Petaluma, CA 94954

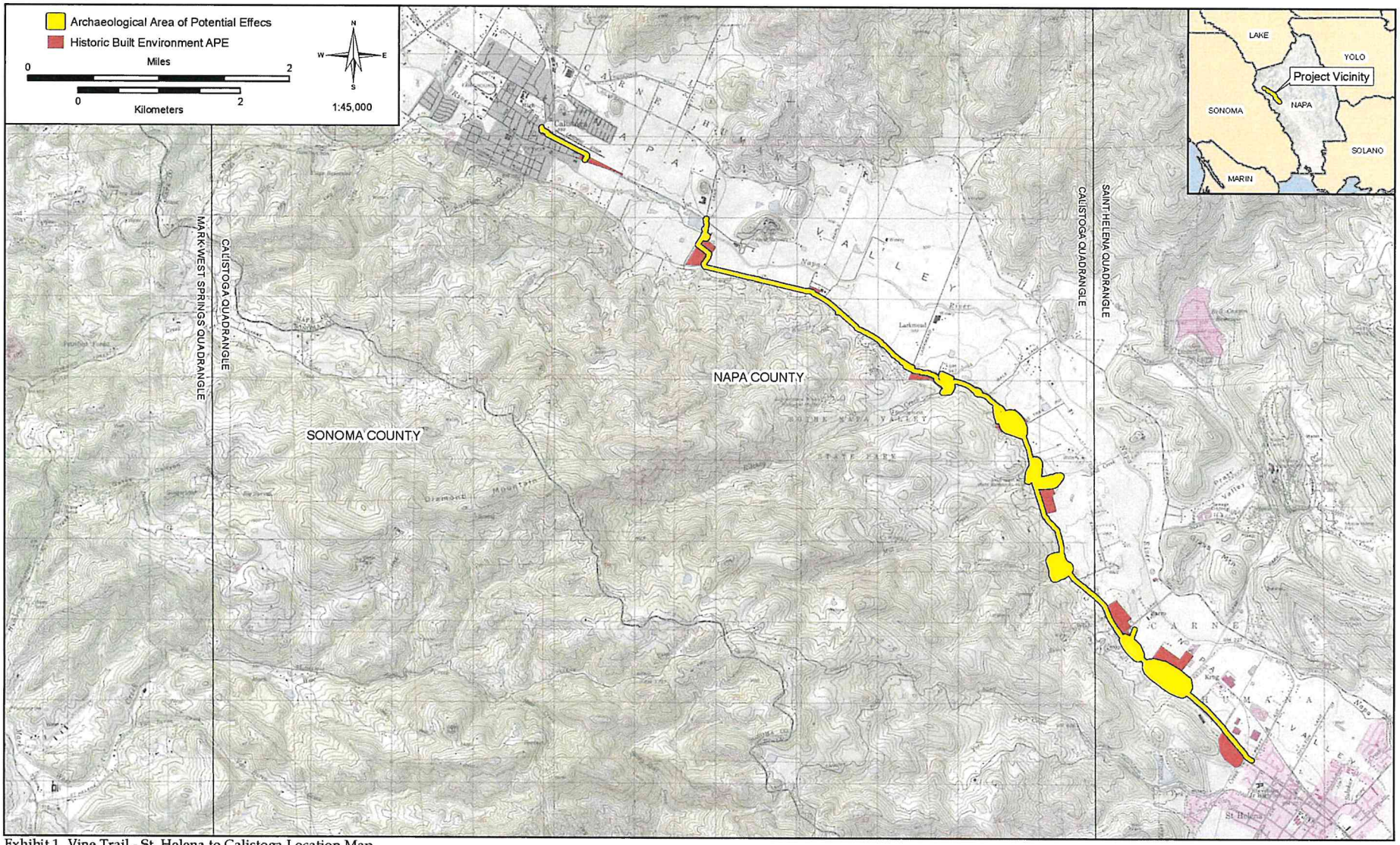


Exhibit 1. Vine Trail - St. Helena to Calistoga Location Map.

Cheryl Brookshear

From: Bonnie Thoreen <bthoreen@gmail.com>
Sent: Sunday, February 2, 2020 11:44 AM
To: Cheryl Brookshear
Subject: Received

I acknowledge receipt of your letter re Vine Trail Project -- Calistoga to St. Helena.

Bonnie Thoreen

Cheryl Brookshear

From: St. Helena Historical Society <shstory@shstory.org>
Sent: Friday, February 7, 2020 3:45 PM
To: Cheryl Brookshear
Subject: FW: Vine Trail Project Calistoga to St. Helena

Add to list:
Lombarda Cellar/Freemark Abbey Winery, 3022 St. Helena Hwy North, on Napa County Historic Resources Inventory 1978
Kellogg-Lyman House, 3351 St. Helena Hwy North on Napa County Historic Resources Inventory 1978

From: St. Helena Historical Society
Sent: Friday, February 7, 2020 3:38 PM
To: 'cbrookshear@jrphistorical.com' <cbrookshear@jrphistorical.com>
Subject: Vine Trail Project Calistoga to St. Helena

Hello,
Thank you for contacting us regarding the historic resources. The list of organizations receiving your letter was not enclosed as stated.
Not sure of the route planned for the Vine Trail, but beginning in St. Helena to north these are the Historic Resources affected:

1. York Creek Bridge-built 1902 and on the St. Helena Historic Resources Inventory of 1978
2. Elm Tree Tunnel, on the St. Helena Historic Resources Inventory of 1978
3. Beringer Historic District, including the Rhine House, Hudson House, winery, Sisters House
4. Greystone Cellars, 2555 Main Street on National Register of Historic Places
5. Charles Krug Winery, 2800 Main Street on National Register of Historic Places
6. Weinberger Winery/William Cole Winery, 2849 St. Helena Hwy North
7. Eli M. York Winery, 1095 Lodi Lane, Napa County Historic Resources Inventory of 1978
8. York-Alexander House, 1105 Lodi Lane, Napa County Historic Resources Inventory of 1978
9. Ehlers Winery, 3222 Ehlers Lane, Napa County Historic Resources Inventory of 1978
10. Bale Mill,
11. Bothe Napa Valley State Park
12. Schramsberg Winery, 1400 Schramsberg Road off hwy 29
13. Larkmead Winery/Frank Family Cellars, 1091 Larkmead Lane
14. William Nash House, 3999 St. Helena Hwy North, Napa County Historic Resources Inventory of 1978
15. Martin Holje House/Maplewood, 3999 St. Helena Hwy North, Napa County Historic Resources Inventory of 1978
16. Tucker Farm Center, Hwy 29 @Larkmead Lane, Napa County Historic Resources Inventory of 1978

Caltrans wants to demolish the stone walls of the Sulphur Creek and York Creek Bridges in St. Helena on Main Street to widen them for the Vine Trail. I will fight to stop that.

Best,
Mariam Hovanesian Hansen
Research Director
St. Helena Historical Society
Research Office in St. Helena Library
Headquarters in former Catholic School Oak & Tainter Sts
707-967-5502

1492 Library Lane
P.O. Box 87
St. Helena, CA 94574
http://www.shstory.org/
Find us on Facebook: https://www.facebook.com/St-Helena-Historical-Society-153288581421864/

Cheryl Brookshear

From: Zach Tusinger <ztusinger@ci.calistoga.ca.us>
Sent: Tuesday, March 10, 2020 1:11 PM
To: Cheryl Brookshear
Subject: RE: Vine Trail St. Helena to Calistoga

No comments from the City of Calistoga. Thank you for the opportunity to review.

Zach Tusinger, JD AICP
Senior Planner
Assistant to the City Manager
City of Calistoga
707.942.2830
ztusinger@ci.calistoga.ca.us

From: Claudia Aceves <CAceves@ci.calistoga.ca.us>
Sent: Tuesday, March 10, 2020 11:35 AM
To: Zach Tusinger <ztusinger@ci.calistoga.ca.us>
Subject: FW: Vine Trail St. Helena to Calistoga

From: Cheryl Brookshear [mailto:CBrookshear@jrphistorical.com]
Sent: Tuesday, March 10, 2020 11:05 AM
To: info@SharpsteenMuseum.org; info@stevensonmuseum.org; dermshar@puc.edu; chris@shpl.org; Planning & Building; Library@countyofnapa.org; planningcommissionclerk@countyofnapa.org; mderosa@cityofsthelena.org
Subject: Vine Trail St. Helena to Calistoga

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello,

In January Napa Valley Transportation Authority sent a physical letter describing the proposed project and asking if you had information or concerns regarding architectural resources in or adjacent to the project area. We are completing the final version of architectural resources report for this project and wanted to provide one last opportunity for you to provide comment or request to be included in further planning regarding built environment resources for the project. Please feel free to contact me via any of the methods listed below.

Thank you,

Cheryl Brookshear

Cheryl Brookshear M.S. | Historian/Architectural Historian
JRP Historical Consulting LLC (530) 757-2521 office | jrphistorical.com

Cheryl Brookshear

From: kathleen carrick <kathleen.carrick@live.com>
Sent: Sunday, February 9, 2020 12:48 PM
To: Cheryl Brookshear
Subject: Napa Valley Vine Trail

Cheryl: Please include me in on any emails regarding public input on the Vine Trail. I am on the board of directors for Napa Valley State Parks Association and we are interested in this project as it pertains to Napa Valley State Park and Bale Grist Mill. I am also a cyclists living in St. Helena and am interested in the Calistoga to St. Helena segment. Thank you. Kathy Carrick

My mailing address is 1321 Stockton St. St. Helena, CA 94574

NAPA COUNTY LANDMARKS
1754 Second Street, Suite E
Napa, CA 94559
707-255-1836
www.napacountylandmarks.org

February 4, 2020

JRP Historical Consulting, LLC
Cheryl Brookshear
2850 Spafford Street
Davis, CA 95618

RE: Vine Trail Project – Calistoga to St. Helena

Dear Ms Brookshear

Thank you for including Napa County Landmarks (NCL) in your research to determine the historic resources in the area of the proposed Class 1 mixed-use path proposed by Napa Valley Transportation Authority, the Vine Trail Coalition, and Caltrans, District 4 in the area of Calistoga to St. Helena. Napa County Landmarks maintains copies of the 1977 HRI forms for Calistoga, St. Helena and Yountville. The HRI is somewhat dated, however it serves as an effective baseline for research.

The letter NCL received from NVTA stated that a list of other organizations receiving the request letter was attached, however, the only attachment to the letter is the map showing the Archaeological Area of Potential Effects. The scale and clarity of the map makes it difficult to pinpoint exact properties, however, I will list a few of the more prominent properties that are in the project area.

1. Bale Grist Mill, 3369 St. Helena Hwy, St. Helena
2. Tucker Farm Center, 1201 Tucker Road, Calistoga
3. Pioneer Cemetery, Calistoga
4. Rutherford Depot, adjacent the Rutherford Fire Department, near the intersection of Rutherford Rd. and Hwy 29.
5. Oakville Grocery, 7856 St. Helena Highway, Oakville

There may be other important buildings in the area, which a more detailed map could reveal.

Please let me know if you need any additional information.

Sincerely,

Bill Tuikka

Bill Tuikka, AICP
Vice President, Napa County Landmarks

Napa County Landmarks is a non-profit organization that advocates for the appreciation and preservation of historic buildings, sites and districts through educational programs, public policy, research and technical assistance.

Cheryl Brookshear

From: Stewart, Noah@Parks <Noah.Stewart@parks.ca.gov>
Sent: Tuesday, February 4, 2020 11:15 AM
To: Cheryl Brookshear
Cc: Mowrey, Maria@Parks; Wilson, Laura@Parks; RSchenck@nvta.ca.gov
Subject: Vine Trail Project - Calistoga to St. Helena

Ms. Brookshear,

I am writing to acknowledge receipt of Rebecca Schenck's letter of January 22, 2020, seeking information regarding historic resources in the area of the proposed Vine Trail project. As you know, the proposed project traverses a portion of Bothe Napa Valley State Park. There are several cultural resources recorded in the park within the project area, including the Pioneer Cemetery and the remains of the Asa White Church (P-28-001287), as well as multiple archaeological sites (CA-NAP-571/H, CA-NAP-683 and CA-NAP-58/H). There are also a number of historic era buildings in the park near the project area, including the Tucker Residence and associated outbuildings (P-20-002529), Scott Residence (P-20-002528), Mitchell/Wright House (P-20-002534), Read/Wright House (P-20-002537) and the Cavanaugh/Wright House (P-20-002538). California State Parks maintains records of these properties and may have documentation in addition to that found at the Northwest Information Center. This information can be made available.

In addition to the request for information, we were asked if we wished to continue to receive information about historical resources throughout the environmental process – yes, the California State Parks Bay Area District would like to continue to be consulted during the process. Please forward documents concerning historical resources to my attention.

Sincerely,

Noah M. Stewart
Historian III/Cultural Resources Program Manager
California State Parks – Bay Area District
845 Casa Grande Road
Petaluma, CA 94954
Ph: (707) 769-5652 x227

Cheryl Brookshear

From: Cheryl Brookshear
Sent: Tuesday, March 10, 2020 11:05 AM
To: 'info@SharpsteenMuseum.org'; 'info@stevensonmuseum.org'; 'dermshar@puc.edu'; 'chris@shpl.org'; 'plans@ci.calistoga.ca.us'; 'Library@countyofnapa.org'; 'planningcommissionclerk@countyofnapa.org'; 'mderosa@cityofsthelena.org'
Subject: Vine Trail St. Helena to Calistoga
Attachments: Section 106 Letter 1-10-2020 Signed.pdf

Hello,

In January Napa Valley Transportation Authority sent a physical letter describing the proposed project and asking if you had information or concerns regarding architectural resources in or adjacent to the project area. We are completing the final version of architectural resources report for this project and wanted to provide one last opportunity for you to provide comment or request to be included in further planning regarding built environment resources for the project. Please feel free to contact me via any of the methods listed below.

Thank you,

Cheryl Brookshear

Cheryl Brookshear M.S. | Historian/Architectural Historian
JRP Historical Consulting LLC (530) 757-2521 office | jrphistorical.com

Cheryl Brookshear

From: Bev Barnes <blkrbarnes@aol.com>
Sent: Tuesday, March 10, 2020 1:55 PM
To: Cheryl Brookshear
Subject: Vine Trail Project

I am on the board of the Sharpsteen Museum Assn. in Calistoga and we just received copy of the NVTA letter about the Vine Trail Project, dated 1/10/20.
The letter states that "the path crosses portions of the previously studied Bothe - Napa Valley State Park".
Does this mean that the path will cross Highway 29?
Thank you in advance for your assistance.
Bev Barnes

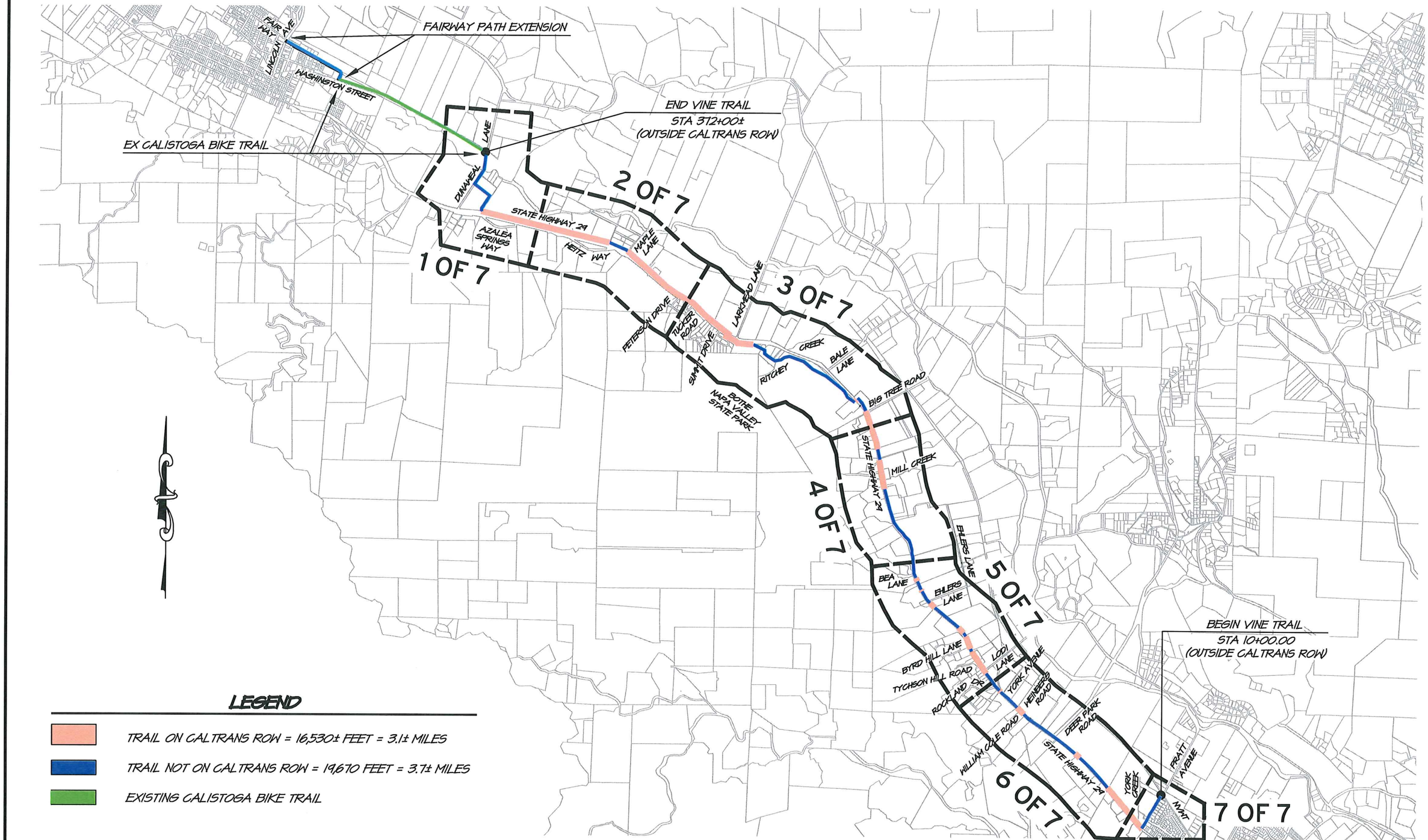
Chris McMorris

From: Schenck, Rebecca <RSchenck@nvta.ca.gov>
Sent: Wednesday, March 11, 2020 8:52 AM
To: blkrbarnes@aol.com
Cc: Cheryl Brookshear; Kamerath, Marcy; Mishra, Sanjay
Subject: RE: Section 106 inquiry
Attachments: Schematic Design VT.pdf

Bev,
Thank you for your inquiry. Yes, the proposed project would cross the state highway at two locations, the first near the entrance road to Bothe Napa Valley State Park, and the second near the CalFire facilities just north of Big Tree Lane. Pedestrian hybrid beacons would be installed at the crossing locations. The trail will be on the eastside of SR29 with the exception of Bothe Napa Valley State Park. Attached is a schematic design that might help make it clearer.
Rebecca

From: Bev Barnes <blkrbarnes@aol.com>
Sent: Tuesday, March 10, 2020 1:55 PM
To: Cheryl Brookshear <CBrookshear@jrphistorical.com>
Subject: Vine Trail Project

I am on the board of the Sharpsteen Museum Assn. in Calistoga and we just received copy of the NVTA letter about the Vine Trail Project, dated 1/10/20.
The letter states that "the path crosses portions of the previously studied Bothe - Napa Valley State Park".
Does this mean that the path will cross Highway 29?
Thank you in advance for your assistance.
Bev Barnes



ST. HELENA TO CALISTOGA SECTION

VINE TRAIL

NAPA COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
JEREMY NOEL SILL
No. 73257
Exp. 12.31.2020
CIVIL ENGINEER
STATE OF CALIFORNIA

DATE	SEPT 10, 2019
DRAWN	RAY
DESIGNED	RAY
CHECKED	JNS
JOB NO.	4118035.0

RSA+
1515 FOURTH STREET
NAPA, CALIF. 94559
OFFICE|707|252.3301
+ www.RSAcivil.com +
RSA+| CONSULTING CIVIL ENGINEERS + SURVEYORS + est. 1980

SHEET NO. 1

1 OF 1 SHEET

Chris McMorris

From: Chris Kreiden <chris@shpl.org>
Sent: Wednesday, March 11, 2020 11:45 AM
To: Cheryl Brookshear
Subject: RE: Vine Trail St. Helena to Calistoga

Hi Cheryl,

We have no concerns. On a personal note I look forward to being able to use the trail.

Best,
Chris

Christina Kreiden
Library Director

St. Helena Public Library
1492 Library Lane
Saint Helena, CA 94574
(707) 967-2805

From: Cheryl Brookshear <CBrookshear@jrphistorical.com>
Sent: Tuesday, March 10, 2020 11:05 AM
To: info@SharpsteenMuseum.org; info@stevensonmuseum.org; dermshar@puc.edu; Chris Kreiden <chris@shpl.org>; plans@ci.calistoga.ca.us; Library@countyofnapa.org; planningcommissionclerk@countyofnapa.org; Maya DeRosa <MDeRosa@cityofsthelena.org>
Subject: [External] Vine Trail St. Helena to Calistoga

Hello,

In January Napa Valley Transportation Authority sent a physical letter describing the proposed project and asking if you had information or concerns regarding architectural resources in or adjacent to the project area. We are completing the final version of architectural resources report for this project and wanted to provide one last opportunity for you to provide comment or request to be included in further planning regarding built environment resources for the project. Please feel free to contact me via any of the methods listed below.

Thank you,

Cheryl Brookshear

Chris McMorris

From: Maya DeRosa <MDeRosa@cityofsthelena.org>
Sent: Wednesday, March 11, 2020 12:01 PM
To: Cheryl Brookshear
Subject: RE: Vine Trail St. Helena to Calistoga
Attachments: st_helena_historic_resource_master_list.pdf; Figure 6.1 Historic Resources.pdf

HI Cheryl,
Thanks for sharing this information about the project. For your information is a map and matching list by address of historic resources in our community so you can verify if any of these are in the area of the proposed ROW.

MAYA DEROSA, AICP
PLANNING AND BUILDING DIRECTOR
City of St. Helena | Planning & Community Improvement Department
1572 Railroad Avenue | St. Helena, CA 94574
Direct: (707) 967-2783 | mderosa@cityofsthelena.org | http://cityofsthelena.org/planning

---

From: Cheryl Brookshear <CBrookshear@jrphistorical.com>
Sent: Tuesday, March 10, 2020 11:05 AM
To: info@SharpsteenMuseum.org; info@stevensonmuseum.org; dermshar@puc.edu; Chris Kreiden <chris@shpl.org>; plans@ci.calistoga.ca.us; Library@countyofnapa.org; planningcommissionclerk@countyofnapa.org; Maya DeRosa <MDeRosa@cityofsthelena.org>
Subject: [External] Vine Trail St. Helena to Calistoga

Hello,

In January Napa Valley Transportation Authority sent a physical letter describing the proposed project and asking if you had information or concerns regarding architectural resources in or adjacent to the project area. We are completing the final version of architectural resources report for this project and wanted to provide one last opportunity for you to provide comment or request to be included in further planning regarding built environment resources for the project. Please feel free to contact me via any of the methods listed below.

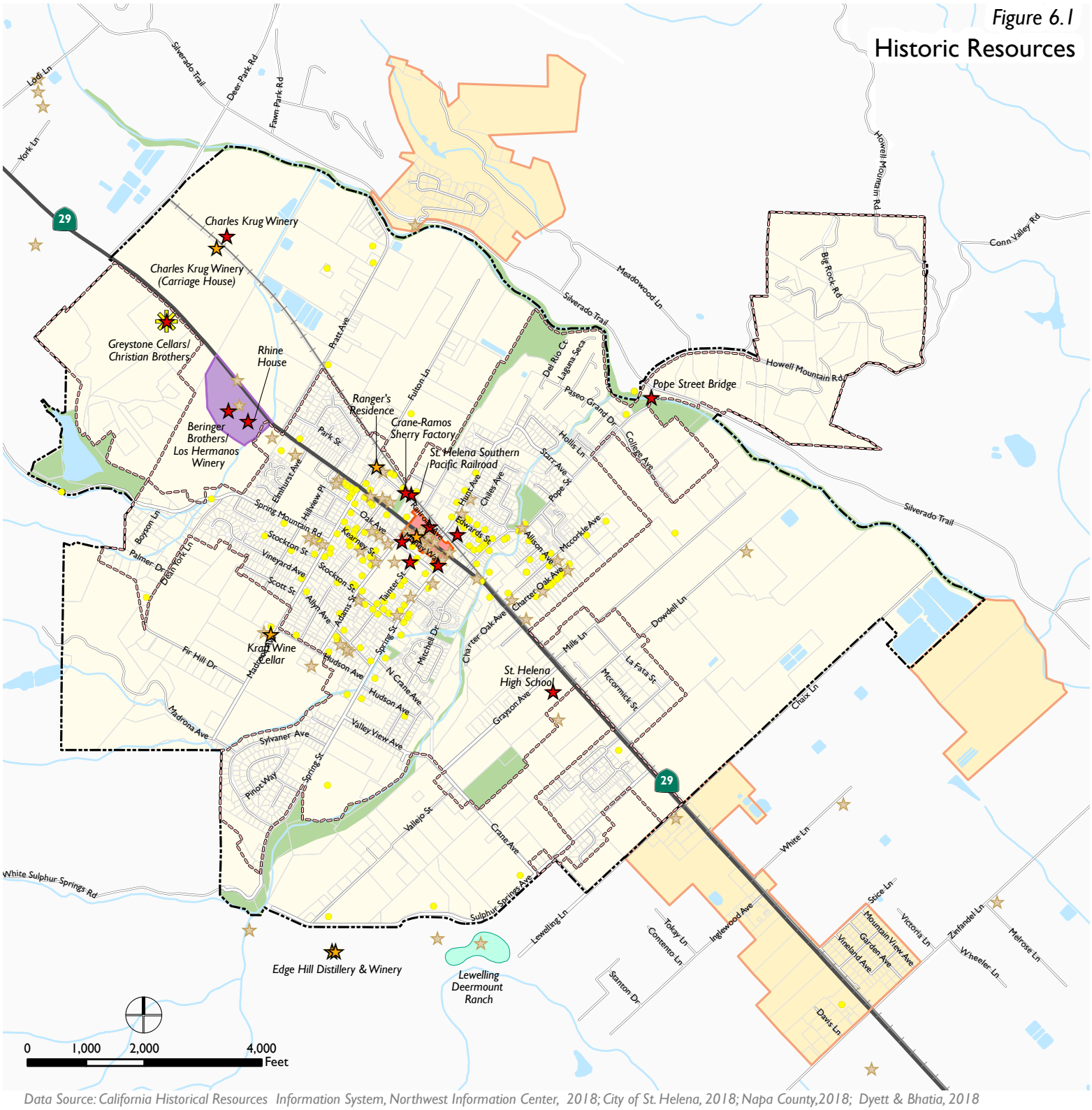
Thank you,

Cheryl Brookshear

Cheryl Brookshear M.S. | Historian/Architectural Historian
JRP Historical Consulting LLC (530) 757-2521 office | jrphistorical.com

Figure 6.1

Historic Resources



Data Source: California Historical Resources Information System, Northwest Information Center, 2018; City of St. Helena, 2018; Napa County,2018; Dyett & Bhatia, 2018

- National Register
- California Register
- State Landmark
- Eligible for National Register or California Register
- Locally-Designated Resources

National Historic District

- St. Helena Historic Commercial District
- Beringer Winery Historic
- Lewelling "Deermount" Ranch Historic District

- Parks and Open Space
- Urban Limit Line
- Study Areas
- City of St. Helena

GENERAL PLAN UPDATE
City of St. Helena

City of St. Helena Historic Resources / Master List

	ALLEY - ADAMS STREET	VISTA	1978
1104	ADAMS & RAILROAD	PRITCHARD BUILDING	1978
1310	ADAMS & OAK STREET	UNITED METHODIST CHURCH OF ST. HELENA	1978
1325	ADAMS STREET	ST. HELENA ELEMENTARY SCHOOL	1978
1410	ADAMS STREET		1978
1518	ADAMS STREET		1978
1552	ADAMS STREET		1978
1611	ADAMS STREET	SCHMIDT HOUSE	1978
1706	ADAMS STREET		1978
0000	ALEXANDER COURT		1978
1207	ALEXANDER COURT		2006
1207	ALEXANDER COURT	FRANK ALEXANDER HOUSE	1978
825	ALLISON AVENUE		1978
910	ALLISON AVENUE		2006
917	ALLISON AVENUE		1978
1025	ALLISON AVENUE		1978
1252	ALLYN AVENUE		1978
1269	ALLYN AVENUE	C.D. MOONEY HOUSE	1978
1279	ALLYN AVENUE		1978
1317	ALLYN AVENUE	DOWDELL HOUSE	1978
1329-1321	ALLYN AVENUE		1978
1330	ALLYN AVENUE		1978
1337	ALLYN AVENUE		1978
1556	ALLYN AVENUE		1978
945	BROWN		1978
957A	BROWN		1978
957B	BROWN		1978
741	CHARTER OAK AVENUE	KIDD RANCH	1978
831	CHARTER OAK AVENUE		1978
849	CHARTER OAK AVENUE		1978
905	CHARTER OAK AVENUE		1978
917	CHARTER OAK AVENUE		1978
931	CHARTER OAK AVENUE		1978
943	CHARTER OAK AVENUE		1978
957	CHARTER OAK AVENUE		1978
967	CHARTER OAK AVENUE		1978
1017	CHARTER OAK AVENUE		1978
1043	CHARTER OAK AVENUE		1978
1050	CHARTER OAK AVENUE	SCIARONI'S WINERY/SHERRY HOUSE	1978
1114	CHURCH STREET		1978

1132	CHURCH STREET		2006
1132	CHURCH STREET		1978
1216	CHURCH STREET	BONDED WAREHOUSE BUILDING	1978
1216	CHURCH STREET	SPECIAL INTERNAL REVENUE BONDED WAREHOUSE	National Register
2070	DEAN YORK LANE	DEAN YORK HOUSE	1978
	DOWDELL LANE	FOUNTAIN WINERY	1978
415	DOWDELL LANE	JAMES DOWDELL HOUSE	1978
1102	EDWARDS STREET		1978
1133	EDWARDS STREET		1978
1136	EDWARDS STREET		1978
1160	EDWARDS STREET		1978
1212	EDWARDS STREET		1978
1217	EDWARDS STREET		1978
1220	EDWARDS STREET		1978
1227	EDWARDS STREET		1978
1161,1153	EDWARDS STREET		1978
825	FULTON LANE		2006
	HUDSON AT SPRING STREET	SCHONEWALD ESTATE/ESMERALDA WINERY	1978
1322	HUDSON AVENUE		1978
1401	HUDSON AVENUE	SCHONEWALD ESTATE/SPOTTSWOODE	1978
1512	HUDSON AVENUE		1978
850	HUNT AVENUE		1978
916	HUNT AVENUE		1978
921	HUNT AVENUE		1978
940	HUNT AVEUNE		2006
940	HUNT AVENUE		1978
957	HUNT AVENUE	D.O. HUNT HOUSE	1978
1000	HUNT AVENUE		1978
1407	KEARNEY STREET	WALTER METZNER HOUSE	1978
1417	KEARNEY STREET		1978
1426	KEARNEY STREET		1978
1427	KEARNEY STREET		1978
1439	KEARNEY STREET		1978
1459	KEARNEY STREET	A.N. BELL HOUSE	1978
1467	KEARNEY STREET		1978
1489	KEARNEY STREET		2006
1489	KEARNEY STREET		1978
1505	KEARNEY STREET		1978
1530	KEARNEY STREET		1978
1543	KEARNEY STREET		1978
1451.5	LIBRARY LANE		2006
	LYMAN PARK	SITE OF TURNER HALL/LYMAN PARK	1978

	MADRONA STREET/S.E. CORNER OAK STREET	AMERICAN LEGION POST	1978
1220	MADRONA STREET		1978
1234	MADRONA STREET		1978
1341	MADRONA STREET		1978
1513	MADRONA STREET		1978
1523	MADRONA STREET		1978
1545,1549,1553	MADRONA STREET		1978
1548	MADRONA STREET		1978
1702	MADRONA STREET		1978
1902	MADRONA STREET	KRAFT HOUSE & WINERY	1978
1902	MADRONA STREET	DRAFT HOUSE & WINER CELLAR	1978
	MAIN STREET ELECTROLAIRES		1978
	MAIN STREET NEAR YORK CREEK	ELM TUNNEL	1978
195	MAIN STREET		2006
397	MAIN STREET	DR. GEORGE BELDEN CRANE HOUSE	1978
473	MAIN STREET	OLD ST. HELENA HIGH SCHOOL/VINTAGE HALL	1978
437	MAIN STREET	ST. HELENA HIGH SCHOOL	National Register
738	MAIN STREET		1978
933	MAIN STREET		2006
1000	MAIN STREET		2006
1028	MAIN STREET		2006
1057	MAIN STREET	MONEY'S PLANTING MILL	1978
1200-1204	MAIN STREET	NOBLE-GALLERON BUILDING	1978
1201,1205	MAIN STREET	A. GOODMAN BUILDING	1978
1218	MAIN STREET		1978
1219	MAIN STREET		1978
1230	MAIN STREET	SITE OF DAVID FULTON'S SADDLERY	1978
1231	MAIN STREET	DAVIS BUILDING	1978
1235	MAIN STREET		1978
1243	MAIN STREET	GOODMAN'S	1978
1302-04	MAIN STREET	HUNT BUILDING	1978
1305	MAIN STREET	WINDSOR HOTEL	1978
1327-1337	MAIN STREET	RICHIE BLOCK	1978
1328	MAIN STREET	ST. HELENA STAR BUILDING	1978
1347	MAIN STREET	OWEN WADE BUILDING	1978
1351	MAIN STREET	BANK OF ST. HELENA	1978
1352	MAIN STREET	I.O.O.F. BUILDING	1978
1367	MAIN STREET		1978
1375	MAIN STREET		1978
1380	MAIN STREET		2006
1381	MAIN STREET	KIETTLEWELL BUILDING	1978
1414	MAIN STREET		1978

1451	MAIN STREET	ST. HELENA POST OFFICE	1978
1508	MAIN STREET	GREENFIELD HOUSE	1978
1508	MAIN STREET	OLD GREENFIELD HOUSE	1978
1515	MAIN STREET		1978
1523	MAIN STREET		1978
1537	MAIN STREET		1978
1547	MAIN STREET		1978
1550 & 1558	MAIN STREET		1978
1570	MAIN STREET		1978
1603	MAIN STREET		1978
1615	MAIN STREET		1978
1629	MAIN STREET		1978
1635	MAIN STREET		1978
1817	MAIN STREET		2006
1817	MAIN STREET	FULLER PLACE	1978
1817	MAIN STREET	FULLER PLACE WATERTOWER	1978
1830 & 1846	MAIN STREET	VANCE-ANDERSON HOUSE/ST. GOTHARD'S INN	1978
1855	MAIN STREET		2006
1915	MAIN STREET		1978
2000	MAIN STREET	RHINE HOUSE BERINGER BROTHERS WINERY	1978
2000	MAIN STREET	HUDSON-BERINGER HOUSE/SISTERS HOUSE	1978
2000	MAIN STREET	BERINGER BROUTHERS / LOS HERMANOS WINERY	National Register
2555	MAIN STREET	GREYSTONE CELLARS/BOURN & WINE CELLARS WINERY ARCH	1978
2555	MAIN STREET	GREYSTONE CELLARS	National Register
2800	MAIN/ST. HELENA HIGHWAY @ DEER PARK ROAD	CHARLES KRUG WINERY	1978
2800	MAIN STREET	CHARLES KRUG WINERY	National Register
609	MCCORKLE AVEUNE		1978
681	MCCORKLE AVEUNE		1978
681	MCCORKLE AVENUE		2006
741	MCCORKLE AVEUNE		1978
835	MCCORKLE AVEUNE		1978
835	MCCORKLE AVEUNE (CORNER OF CHARTER OAK)	NAPA VALLEY OLIVE OIL MANUFACTORY	1978
458	MILLS LANE		2006
	MONEY WAY VISTA	ALLEY VIEW OF BACKS OF STONE AND BRICK COMMERCIAL BUILDINGS ON MAIN	1978
	MONEY WAY VISTA	STONE WAREHOUSE/BELL BROS. WAREHOUSE	1978
	N.E. CORNER OAK STREET		1978
	OAK @ CORNER TAINTER	CHURCH OF ST. HELENA	1978
1326	OAK AVENUE		2006

1326	OAK AVENUE		1978
1360	OAK AVENUE		1978
1360	OAK AVENUE	ST. HELENA PUBLIC LIBRARY - CARNEGIE BUILDING	National Register
1445	OAK AVENUE		2006
1445	OAK AVENUE		1978
1454,1455	OAK AVENUE		2006
1467	OAK AVENUE		1978
1551	OAK AVENUE		1978
	PINE BETWEEN STOCKTON & KEARNEY	BARN	1978
1329	PINE STREET		1978
1330	PINE STREET		1978
1340	PINE STREET		1978
1354	PINE STREET		1978
	POPE STREET @ SILVERADO TRAIL	POPE STREET BRIDGE	1978
	POPE STREET @ SILVERADO TRAIL	SITE OF STONE BRIDGE SALOON	1978
	POPE STREET	BRIDGE OVER THE NAPA RIVER	National Register
	POPE STREET BEND & STONE BRIDGE - VIEW EAST		1978
	POPE STREET STONE BRIDGE @ SILVERADO TRAIL		1978
834	POPE STREET		1978
924	POPE STREET		2006
924	POPE STREET	MEILY HOUSE & WINERY	1978
943	POPE STREET		1978
951	POPE STREET		1978
1006	POPE STREET		1978
1012	POPE STREET		1978
1017	POPE STREET		1978
1024	POPE STREET		1978
1034	POPE STREET		1978
1125	POPE STREET		1978
	PRATT AVEUNE	G.L. PRATT HOUSE	1978
330	PRATT AVEUNE		2006
330	PRATT AVEUNE		1978
376	PRATT AVEUNE		2006
376	PRATT AVEUNE		1978
514	PRATT AVEUNE		2006
514	PRATT AVEUNE		1978
855	PRATT AVEUNE		2006
855	PRATT AVEUNE		1978
	RAILROAD NEAR PINE STREET	BOY SCOUT HALL	1978
	RAILROAD NEAR PINE STREET	SOUTHERN PACIFICE DEPOT	1978
	RAILROAD AVENUE	SOUTHERN PACIFIC RAILROAD DEPOT	National Register

1327	RAILROAD AVENUE	ROMA HOTEL/MIRAMONTE HOTEL	1978
1345-47	RAILROAD AVENUE	TAYLOR, DUCKWORTH & CO. FOUNDRY / THE HATCHERY	1978
1345	RAILROAD AVENUE	THE HATCHERY / TAYLOR, DUCKWORTH AND CO.	National Register
1468-1478	RAILROAD AVENUE	RAMOS SHERRY HOUSE/DEPOT SALOON	National Register
1550	RAILROAD AVEUNE		2006
	SPRING MOUNTAIN ROAD	STONE BRIDGE	1978
1605	SPRING MOUNTAIN ROAD	WILLIAM BELL HOUSE	1978
1623	SPRING MOUNTAIN ROAD		1978
1635	SPRING STREET		2006
1637	SPRING MOUNTAIN ROAD	GUS JURSCH HOUSE	1978
1651	SPRING MOUNTAIN ROAD	MACKINDER-BALDWIN HOUSE	1978
1709	SPRING MOUNTAIN ROAD		1978
	SPRING STREET	LEWELLING WINERY	1978
	SPRING STREET	ST. HELENA PUBLIC CEMETERY	1978
1228	SPRING STREET	WILLIAM TELL HOTEL/ST. HELENA FEED & SEED	1978
1228	SPRING STREET		1978
1228	SPRING STREET	WILLIAM TELL HOTEL AND SALOON	National Register
1244	SPRING STREET		1978
1313	SPRING STREET	NATIVE SONS HALL	1978
1314	SPRING STREET	GRACE EPISCOPAL CHURCH	1978
1343	SPRING STREET	CHILES HOUSE / FIRST BAPTIST CHURCH	1978
1420	SPRING STREET	FIRST PRESBYTERIAN CHURCH	1978
1508	SPRING STREET		1978
1523	SPRING STREET		1978
1526	SPRING STREET		1978
1531	SPRING STREET		1978
1542	SPRING STREET		1978
1551	SPRING STREET		1978
1735	SPRING STREET	KELLY- MITCHELL HOUSE	1978
1758,1764	SPRING STREET		1978
1817	SPRING STREET	SCHWEINITZER HOUSE & WINERY	1978
1933	SPRING STREET		2006
1933	SPRING STREET		1978
1944	SPRING STREET	METHODIST CHURCH PARSONAGE	1978
1230	STOCKTON STREET		1978
1248	STOCKTON STREET		1978
1257	STOCKTON STREET		1978
1305	STOCKTON STREET		1978
1331	STOCKTON STREET		2006
1331	STOCKTON STREET		1978
1362	STOCKTON STREET		1978

1420	STOCKTON STREET		1978
1457	STOCKTON STREET		1978
1657	STOCKTON STREET		1978
1761	STOCKTON STREET		1978
	SULPHUR CREEK BRIDGE		1978
1832	SULPHUR SPRINGS AVENUE	RED COTTAGE/ CHARLOTTE CHASE STARR HOUSE	1978
2252	SULPHER SPRINGS AVENUE		2006
2252	SULPHER SPRINGS AVENUE	WHITE COTTAGE/CAPTAIN CHASE HOUSE	1978
2610	SULPHER SPRINGS AVENUE		2006
	VISTA TAINTER	SOUTH TOWARD ST. HELENA ELEMENTARY SCHOOL	1978
	TAINTER NEAR OAK	CHURCH OF ST. HELENA RECTORY	1978
1340	TAINTER STREET	ST. HELENA CATHOLIC CHURCH	National Register
1413	TAINTER STREET		1978
1421	TAINTER STREET		1978
1509	TAINTER STREET		1978
1513	TAINTER STREET		1978
1556	TAINTER STREET		1978
	YORK CREEK BRIDGE		1978
*	ST. HELENA HISTORIC COMMERCIAL DISTRICT	* See list below	
	1104-12 ADAMS STREET	CONTRIBUTING BUILDING	1906
	1105 ADAMS STREET	NON-CONTRIBUTING BUILDING	1985
	1225-29 ADAMS STREET	CONTRIBUTING BUILDING	1920
	1200 MAIN STREET	CONTRIBUTING BUILDING	1903
	1201 MAIN STREET	CONTRIBUTING BUILDING	1890
	1205 MAIN STREET	CONTRIBUTING BUILDING	1899
	1210 MAIN STREET	NON-CONTRIBUTING BUILDING	1955
	1214-18 MAIN STREET	NON-CONTRIBUTING BUILDING	1875
	1219 MAIN STREET	CONTRIBUTING BUILDING	1875/1905
	1222-26 MAIN STREET	NON-CONTRIBUTING BUILDING	1875
	1223 MAIN STREET	NON-CONTRIBUTING BUILDING	1875
	1225-27 MAIN STREET	CONTRIBUTING BUILDING	1875
	1228 MAIN STREET	NON-CONTRIBUTING BUILDING	1875
	1230-32 MAIN STREET	NON-CONTRIBUTING BUILDING	1875
	1231 MAIN STREET	CONTRIBUTING BUILDING	1875
	1234-40 MAIN STREET	NON-CONTRIBUTING BUILDING	1908
	1235-39 MAIN STREET	CONTRIBUTING BUILDING	1880
	1269-99 MAIN STREET	CONTRIBUTING BUILDING	1911
	1302-08 MAIN STREET	CONTRIBUTING BUILDING	1891
	1305-09 MAIN STREET	CONTRIBUTING BUILDING	1881
	1310 MAIN STREET	CONTRIBUTING BUILDING	1875
	1313-17 MAIN STREET	CONTRIBUTING BUILDING	1875

1312-14 MAIN STREET	CONTRIBUTING BUILDING	1920
1316 MAIN STREET	CONTRIBUTING BUILDING	1920
1320 MAIN STREET	CONTRIBUTING BUILDING	1915
1321 MAIN STREET	NON-CONTRIBUTING BUILDING	1920
1325 MAIN STREET	NON-CONTRIBUTING BUILDING	1925
1327-37 MAIN STREET	CONTRIBUTING BUILDING	1892
1328 MAIN STREET	CONTRIBUTING BUILDING	1900
1332-42 MAIN STREET	CONTRIBUTING BUILDING	1925
1339-41 MAIN STREET	CONTRIBUTING BUILDING	1875
1343 MAIN STREET	NON-CONTRIBUTING BUILDING	1875
1346 MAIN STREET	CONTRIBUTING BUILDING	1875
1347 MAIN STREET	CONTRIBUTING BUILDING	1890
1350-54 MAIN STREET	CONTRIBUTING BUILDING	1885
1351 MAIN STREET	CONTRIBUTING BUILDING	1890
1355-59 MAIN STREET	CONTRIBUTING BUILDING	1940
1361 MAIN STREET	NON-CONTRIBUTING BUILDING	1973
1367 MAIN STREET	CONTRIBUTING BUILDING	1888
1370 MAIN STREET	NON-CONTRIBUTING BUILDING	1925
1371-75 MAIN STREET	CONTRIBUTING BUILDING	1884
1379-81 MAIN STREET	CONTRIBUTING BUILDING	1885
1380 MAIN STREET	CONTRIBUTING BUILDING	1937
1310 OAK AVENUE	CONTRIBUTING BUILDING	1905
1321-27 RAILROAD AVENUE	CONTRIBUTING BUILDING	1875
1339-45 RAILROAD AVEUNE	CONTRIBUTING BUILDING	1884
1468-1478 RAILROAD AVENUE	CONTRIBUTING BUILDING	1880
1226-40 SPRING STREET	CONTRIBUTING BUILDING	1875

Appendix F

Phase I Initial Site Assessment, Proposed Vine Trail – St. Helena to Calistoga Napa County

PHASE I INITIAL SITE ASSESSMENT
PROPOSED VINE TRAIL – ST. HELENA TO CALISTOGA
NAPA COUNTY, CALIFORNIA

For

RSA+
1515 Fourth Street
Napa, CA 94559

PARIKH CONSULTANTS, INC.
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Project No: 2019-107-ISA

February 14, 2020

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PHASE I INITIAL SITE ASSESSMENT
PROPOSED VINE TRAIL – ST. HELENA TO CALISTOGA
NAPA COUNTY, CALIFORNIA

SUMMARY OF CONCLUSIONS

This Preliminary Phase I Initial Site Assessment (ISA) was performed by PARIKH Consultants, Inc. to evaluate whether potential sources or indications of hazardous substance contamination are present in the areas of right-of-way and construction for the proposed Vine Trail project mostly along State Route (SR) 29 from St. Helena to Calistoga in Napa County, California. The project involves construction of a 10-foot wide bike path mostly parallel with SR 29 with some of the trail traversing through Bothe State Park.

The Subject Area includes the Vine Trail from St. Helena To Calistoga. The Subject Area begins from Pratt Avenue in St. Helena where it northward along SR 29. The Subject Area runs parallel with SR 29 to the Cal Fire St. Helena Station. North of the station, the trail traverses across SR 29 into Bothe State Park. The trail runs along existing paved roads through Bothe State park until it crosses over the northside of SR29 past Larkmead Lane. The trail stays on the north side until it reaches Dunaweal Lane where it turns north prior to Twomey Cellars and crosses over Napa River.

This study included a review of previous land uses in the area through review of USGS maps, historical aerial photographs, a field inspection of the project area, a review of listings of Federal and State regulatory agencies that are responsible for recording incidents of spills, and soil and groundwater contamination and transfer, storage, or disposal facilities that handle hazardous materials, and as applicable review of files available at the regulatory agencies.

Review of previous land use and the site reconnaissance indicates that the project area has supported vehicular activity since the 1930s. It is highly likely that the surface soils along the project area are affected by deposition of aerial lead (ADL). Therefore, it is recommended that surface samples of soil be collected and analyzed for total lead.

There are concrete structures (including bridges) within the proposed project area. One of these is for the crossing over Napa River on the north side of project at Dunaweal Lane. Due to the age of these structures, for areas to be demolished or disturbed, there is a potential for presence of asbestos containing materials (ACM) in concrete joints and lead based paint where they were painted. An ACM investigation should be performed by an inspector certified by Asbestos Hazardous Emergency Response Act (AHERA) under Toxic Substance Control Act (TSCA) Title II and certified by California Division of Division of Occupational Safety and Health

(Cal OSHA) under State of California rules and regulations (California Code of Regulations, Section 1529). This work should be performed during the design phase.

Surveys for lead based paint should be conducted prior to demolition of the structures within the right of way. Lead based paint and ACM should be abated by using a contractor certified to perform such work.

Other than noted above during the project area site reconnaissance, environmental areas of concern were not readily identified or apparent based on the scope of work performed in this project.

This conclusion, and any and all conclusions, recommendations and information included in this report are based upon the information that was readily available to PARIKH Consultants, Inc. at the time of the site visit, and on PARIKH Consultants, Inc.'s professional judgment and reviews using accepted environmental site assessment practices pursuant to the scope of work.

INTRODUCTION

This Preliminary Phase I Initial Site Assessment (ISA) was performed by PARIKH Consultants, Inc. to evaluate whether potential sources or indications of hazardous substance contamination are present in the areas of right-of-way and construction for the proposed Vine Trail mostly along State Route (SR) 29 from St. Helena to Calistoga in Napa County, California. The project involves construction of a 10-foot-wide bike path mostly parallel with SR 29 with some of the trail traversing through Bothe State Park. The Project Vicinity Map (Figure 1), Site Location Map (Figure 2) and Proposed Project Maps (3A-3J) are included in the report. These maps were provided by the client.

The purpose of this investigation was to identify and evaluate potentially hazardous waste sites and update the evaluation of environmental factors that may have affected the soil and groundwater quality in the project vicinity due to past and present environmental and commercial activities. This report was prepared by PARIKH Consultants, Inc.

The ISA was performed during December 2019 through February of 2020 and included the following scope of work:

- Site visit and visual inspection of exterior of the project vicinity
- Review of Previous Environmental Reports in the project vicinity
- Review of project background including recent aerial photographs
- Review of computer database government record search of hazardous waste sites within 1-mile band along a corridor defining the project limits
- Review of area hydrogeology
- Review of available agency records for the project vicinity
- Preparation of a written report summarizing the results.

The following sections present the details and findings of the Phase I Initial Site Assessment:

- Section 2.0 - Project Description and Historic Information
- Section 3.0 - Physical Site Inspection
- Section 4.0 - Regulatory Review
- Section 5.0 - Conclusions and Recommendations
- Section 6.0 - Limitations

PROJECT DESCRIPTION AND HISTORIC INFORMATION

1.1 PROJECT DESCRIPTION

The Napa Valley Transportation Authority (NVTA) is proposing to construct approximately 7.4 miles of new bike trail from St. Helena to Calistoga, primarily along State Route (SR) 29 in Napa County. The proposed St. Helena to Calistoga section of the Napa Valley Vine Trail (hereafter referred to as the Project) will begin at the intersection of Pratt Avenue and SR 29 and proceed north to the intersection of Fair Way at Lincoln Avenue in the City of Calistoga. Project work includes cut or fill for the new trail and the construction of retaining walls, bridges, and new culverts. With the exception of a portion of the Project that passes through Bothe-Napa Valley State Park, the majority of the trail will parallel the east side of SR 29. In addition to the trail within SR 29 right-of-way, the trail will traverse private or state owned parcels through easements to be obtained.

The proposed Project includes two segments of a Class I bicycle/pedestrian trail. The Napa Valley Vine Trail – St. Helena to Calistoga segment comprises an approximate 6.8-mile trail within California Department of Transportation (Caltrans) and public right-of-way that also passes through State Park lands and private property easements. The south end of the segment would terminate in St. Helena at Pratt Avenue at the location of a future segment of the Vine Trail, and the north end would terminate at an existing segment of the Vine Trail at Dunaweal Lane in Calistoga. The second segment, called the Fair Way Path Extension, comprises a 0.6-mile Class I trail that extends north from an existing segment of the Napa Valley Vine Trail from Washington Avenue to the intersection of Fair Way and Lincoln Avenue in Calistoga.

Purpose & Need:

The purpose of the project is to:

- Provide bicyclists and pedestrians with a safe alternative to using the existing shoulder of SR Route 29 from the City of St Helena to Calistoga in unincorporated Napa County.
- Achieve the goals of the Napa Countywide Bicycle Plan.
- Encourage the use of non-motorized travel, as described in the policies and objectives of the Napa County General Plan.
- Close a gap in the regional bicycle and pedestrian transportation network by connecting to the City of St Helena to the City of Calistoga.
- Connect to the Bay Area Ridge Trail at Bothe-Napa and its future planned connection to Sonoma County. The Ridge Trail and Vine Trail routes will use the same proposed alignment between Bothe-Napa Valley State Park and Calistoga

The speed limit on Highway 29 in the location of the Vine Trail is 55 miles per hour and is not conducive to cyclists or walkers using the existing road shoulders. The trail will separate pedestrians and bicyclists from vehicles with a barrier rail, causing no impacts to Caltrans operations or safety on Highway 29. The benefits of constructing the project include a reduction in vehicle miles driven, improved health for trail users by encouraging exercise, and economic benefits to local businesses such as bike shops

1.2 U.S.G.S. MAP REVIEW

United States Geologic Services (USGS) maps; Calistoga and St. Helena were reviewed online through Topo Quest (topoquest.com) and historical USGS maps for Calistoga 1915 and 1948, 1968, 1973, 1993 and 2012 encompassing several locations of the project area were reviewed at the Napa County Library in Napa. Based on review of the USGS maps the elevation of the project ranges from approximately 325 to 310 feet above mean sea level. Napa River is located towards the north/northeast side of SR 29 and general area drainage is towards the Napa River. USGS maps show steep hills to the west/south side of SR 29 and agricultural planes to the east and north towards the Napa River. Review of information from several sites nearby confirms the northerly gradient. Several Creeks initiate from the mountains to the west of SR 29. These include from south to north, York Creek, Hirsch Creek, Mill Creek, and Ritchey Creek. These creeks cross under SR 29 and ultimate drain easterly to the Napa River. Depth to the shallow groundwater ranges between 8 to 20 feet along the project area.

1.3 HISTORICAL AERIAL PHOTOGRAPH REVIEW

Based on historical aerial photographs reviewed, it appears that the project vicinity was in agricultural use since the early 1950s. To examine the historical use of the project vicinity, a review of available aerial photographs from 1953, 1968, 1973, 1982, 1993, 2005, 2009, 2012 and 2016 was performed. Google aerial photos were also reviewed for 2019. These aerial photographs are included as Appendix A.

The 1953 aerial photos show the presence of SR 29 and agricultural use of the areas between SR 29 and the Napa River. The 1968 and 1972 aerial photos show slow development of areas in St. Helena south of the Pratt Avenue. The 1982 aerial photos show presence of Vineyards north of Pratt Avenue and other Vineyards such as Markham and Berringer Vineyards. The 1993 and later photos show additional development of areas in St. Helena with residential and commercial buildings.

PHYSICAL SITE INSPECTION

Observations made during the project area inspection walk/drive-through of the project vicinity are described in the following paragraphs. The inspection was performed on Saturday January 11 and January 18th, 2020.

1.4 SITE VISIT

The site visit consisted of walk/drive-through of the project area and observation of problem sites or visual contamination.

From St. Helena the project starts at the intersection of Pratt Avenue with SR 29. The project traverses north along the vineyards until it reaches Berringer Vineyards using the existing vehicular bridge over York Creek. Once at Berringer Vineyard, it takes a route due north parallel and on the east side of SR 29. From York Creek to Markham Vineyards, the trail traverses through vineyards. At Markham the proposed trail will traverse through a portion of the parking lot for the Markham Vineyards that is adjacent to SR 29. Several other Vineyards and wine tasting rooms are present along the proposed trail and it appears that the trail will traverse through a portion of their parking areas. Past Ehlers lane, parallel with SR 29 there is a portion of the trail that will be constructed on unused land. That portion ends prior to the Stoney Hill Vineyard Road. The remaining areas, until the path crosses SR 29 to enter the Bothe State Park, are occupied by vineyards. Similarly, past the Bothe State Park, the trail follows on the east/north side of SR 29 parallel with the highway. There are several agricultural lands where the trail is located. In other areas, the trail runs through vacant undeveloped land. At Dunaweal Lane the trail crosses over the bridge and ends at Sterling Vineyards. The northern portion of the path involves an extension from the baseball field on Washington Street. The trail traverses north in between the baseball field and the City of Calistoga Public Works Center, then traverses northwest north of the Public Works Yard along a dirt road parallel with Washington Street ending at the intersection of Fairway and Lincoln Avenue. Properties along the way are either vacant/residential or commercial properties.

1.5 AERIAL LEAD DEPOSITION

The Project area is a traffic-bearing road in Napa County. USGS maps and Historical aerial photographs show that these roads have supported vehicular traffic from the 1950s. Due to this vehicular activity the soils along the project area are likely contaminated with lead from exhaust of cars burning leaded gasoline. The lead levels in surface soils along highways can reach concentrations in excess of the hazardous waste threshold, requiring disposal at either a Class I landfill or on-site stabilization. Special health and safety procedures should be in effect for the

workers working near lead contaminated areas. A work plan for investigation of the ADL should be submitted and work should be performed according to an approved work plan. This work should be performed during the design phase.

1.6 ASBESTOS CONTAINING MATERIALS AND LEAD BASED PAINT

There is one bridge structure within the proposed project right-of-way that appear to be built prior to the 1990s, crossing over Napa River on the north side of project at Dunaweal Lane. Due to the age of these structures there is a potential for presence of ACM in the concrete joints and seals and lead based paint where the walls were painted or sealed. An ACM investigation should be performed by an inspector certified by AHERA under TSCA Title II and certified by Cal OSHA under State of California rules and regulations (California Code of Regulations, Section 1529). This work should be performed during the design phase.

Surveys for lead based paint should be conducted prior to demolition of the structures within the right-of-way. Lead based paint and ACM should be abated by using contractors certified to perform such work, and in accordance with state and federal regulations.

REGULATORY REVIEW

1.7 DATABASE AND REGULATORY REVIEWS

A search of environmental regulatory databases was conducted for the project area and surrounding properties. The database search was conducted by EDR to determine whether documentation exists related to environmental incidents at the site or surrounding properties. The databases searched and respective search distances from the Corridor specified by ASTM guidelines are as follows:

- Federal Databases
    - National Priority List (NPL) – 1 mile
    - Proposed National Priority List (Proposed NPL) – 1 mile
    - Comprehensive Environmental Response Compensation, and Liability Information System (CERCLIS) – ½ mile
    - CERCLIS No Further Remedial Action Planned (CERCLIS – NFRAP) – ¼ mile
    - Corrective Action Report (CORRACTS) – 1 mile
    - Resource Conservation and Recovery Information System Treatment, Storage Disposal Facility (RCRIS-TSD) – ½ mile
    - RCRIS Large Quantity Generator – ¼ mile
    - RCRIS Small Quantity Generator – ¼ mile
    - Emergency Response Notification System (ERNS) – Project limits

  - Superfund (CERCLA) Consent Decrees (CONSENT) – 1 mile
  - Records of Decision (ROD) – 1 mile
  - Delisted NPL – 1 mile
  - Facility Index System/Facility Identification Initiative Program Summary Report (FINDS) – Project limits
  - Hazardous Material Reporting System (HMIRS) – Project limits
  - Material Licensing Tracking System (MLTS) – Project limits
  - Mines Master Index File (MINES) – ¼ mile
  - Federal Superfund Liens (NPL Liens) – Project limits
  - PCB Activity Database System (PADS) – Project limits
  - RCRA Administration Action Tracking System
  - Toxic Chemical Release Inventory System (TRIS) – Project limits
  - Toxic Substance Control Act (TSCA) – Project limits
  - Section 7 Tracking System (SSTS) – Project limits
  - FIFRA/TSCA Tracking System (FTTS) – Project limits

- State of California, Regional and County Databases

  - Annual Workplan Sites (AWP) – 1 mile
  - Cal sites Databases (CAL-SITES) – 1 mile
  - California Hazardous Material Incident Report System (CHMIRS) – 1 mile
  - "Cortese" Hazardous Waste and Substance Sites List (CORTESE) – 1 mile
  - Proposition 65 Records (NOTIFY 65) – 1 mile
  - Toxic Pits Cleanup Act Sites (TOXIC PITS) – 1 mile
  - State Landfill – ½ mile
  - Waste Management Unit Database (WMUDS/SWAT) – ½ mile
  - Leaking Underground Storage Tank Information System (LUST) – ½ mile
  - Bond expenditure Plan (CA BOND EXP. PLAN) – 1 mile
  - Active UST Facilities (UST) – ¼ mile
  - Facility Inventory Database (CA FID UST) – ¼ mile
  - Hazardous Substance Storage Container Database (HIST UST) – ¼ mile
  - Aboveground Petroleum Storage Tank Facilities (AST) – Project limits
  - Cleaner Facilities (CLEANERS) – ¼ mile
  - Waste Discharge System (CA WDS) – Project limits
  - List of Deed Restrictions (DEED) – Project limits
  - Spills, Leaks, Investigation and Cleanup Cost Recovery Listing (CAL SLIC) – ½ mile
  - Hazardous Waste Information System (HAZNET) – ¼ mile

The results of the EDR database search and descriptions of the environmental databases are provided in Appendix B. The sites identified in the EDR search were evaluated with respect to their potential to adversely impact the project area. Three main criteria were used to evaluate whether the EDR listed sites warranted further consideration: (1) proximity to the project area

(less than 300 feet from edge of proposed right of way); (2) hydraulically upgradient with respect to groundwater flow; and (3) hydraulically upgradient with respect to surface water flow/stormwater runoff. In addition to the EDR, files at the RWQCB and DTSC were researched through reviewing the Envirostor and Geotracker online databases.

Review of the EDR database identified several sites that were adjacent to the trail, however upon detail review of these sites, they were either listed for air permits, generators of hazardous wastes, or storage of chemicals. Several LUST sites were listed; however, they were all closed. Several active UST sites were also identified associated with the Vineyards that are adjacent to the trail, however upon closer inspection, the physical location of the Vineyards showed that they were either down gradient of the trail, or too far up or cross gradient to have an adverse environmental impact. Review of Envirostor and Geotracker databases identified no sites adjacent or upgradient of the Trail that would have an adverse environmental impact.

CONCLUSIONS AND RECOMMENDATIONS

Review of previous land use and the site reconnaissance indicates that the project area has supported vehicular activity since the 1950s. It is highly likely that the surface soils along the project area are affected by ADL. Therefore, it is recommended that surface samples of soil be collected and analyzed for total lead.

There is one bridge within the proposed project area, which is for the crossing over Napa River on the north side of project. Based on the site visit and review of historical information it is highly likely that these were built prior to the 1980's. Due to the age of these structures there is a potential for presence of ACM and lead based paint. An ACM investigation should be performed by an inspector certified by AHERA under TSCA Title II and certified by Cal OSHA under State of California rules and regulations (California Code of Regulations, Section 1529). This work should be performed during the design phase.

Surveys for lead based paint should be conducted prior to demolition of the structures within the right-of-way. Lead based paint and ACM should be abated by using a contractor certified to perform such work.

Other than noted above during the site reconnaissance of the project area, environmental areas of concern were not readily identified or apparent based on the scope of work performed in this project. Based on PARIKH Consultants, Inc.'s Phase I Environmental Site Assessment findings, environmental conditions or issues of concerns, other than noted above, were not identified or indicated.

LIMITATIONS

The operations, facility conditions and information obtained and utilized in the preparation of this report have been obtained in part from the client, and their employees or agents, and various government officials and are assumed by PARIKH Consultants, Inc. to be complete and correct. It should be noted that this information is subject to professional interpretation, which leads to conclusions, which may differ, based upon opinions specific to individuals.

This report has been presented in accordance with generally accepted environmental assessment practices, based upon the information set forth within the report narrative, for specific application to the proposed Vine Trail project from St. Helena to Calistoga, Napa County, California. No warranty, expressed or implied, is made.

The conclusions in this report are qualitative opinions based on limited quantitative information. Soil and groundwater sampling and analysis were not a part of this scope of work. The scope of work was limited to observation of the surface at a specific time, a limited aerial survey review, and environmental database research. This assessment is not designed to predict future site or off-site conditions. Also, site conditions can differ at locations other than those observed along the project corridor. Subsurface conditions can differ from those observed on the surface.

This investigation is not a risk assessment and is not intended to provide information needed for public health risk assessment purposes. The consultant has endeavored to determine as much as practical about the site conditions given what we consider to be a reasonable amount of analysis and research time. Additional investigation or sampling and analysis could result in information that would lead to revised conclusions. Additional search can usually turn up more information but frequently with a diminishing rate of information return for the effort spent. The degree of certainty of an environmental assessment is proportional to the time and effort spent. However, the degree of certainty cannot be 100% even with highly detailed exploratory drilling and testing work well beyond the scope of this study.

Respectfully submitted,
PARIKH CONSULTANTS, INC.

Gary Parikh, P.E., G.E. #666
Project Manager

ACRONYMS LIST

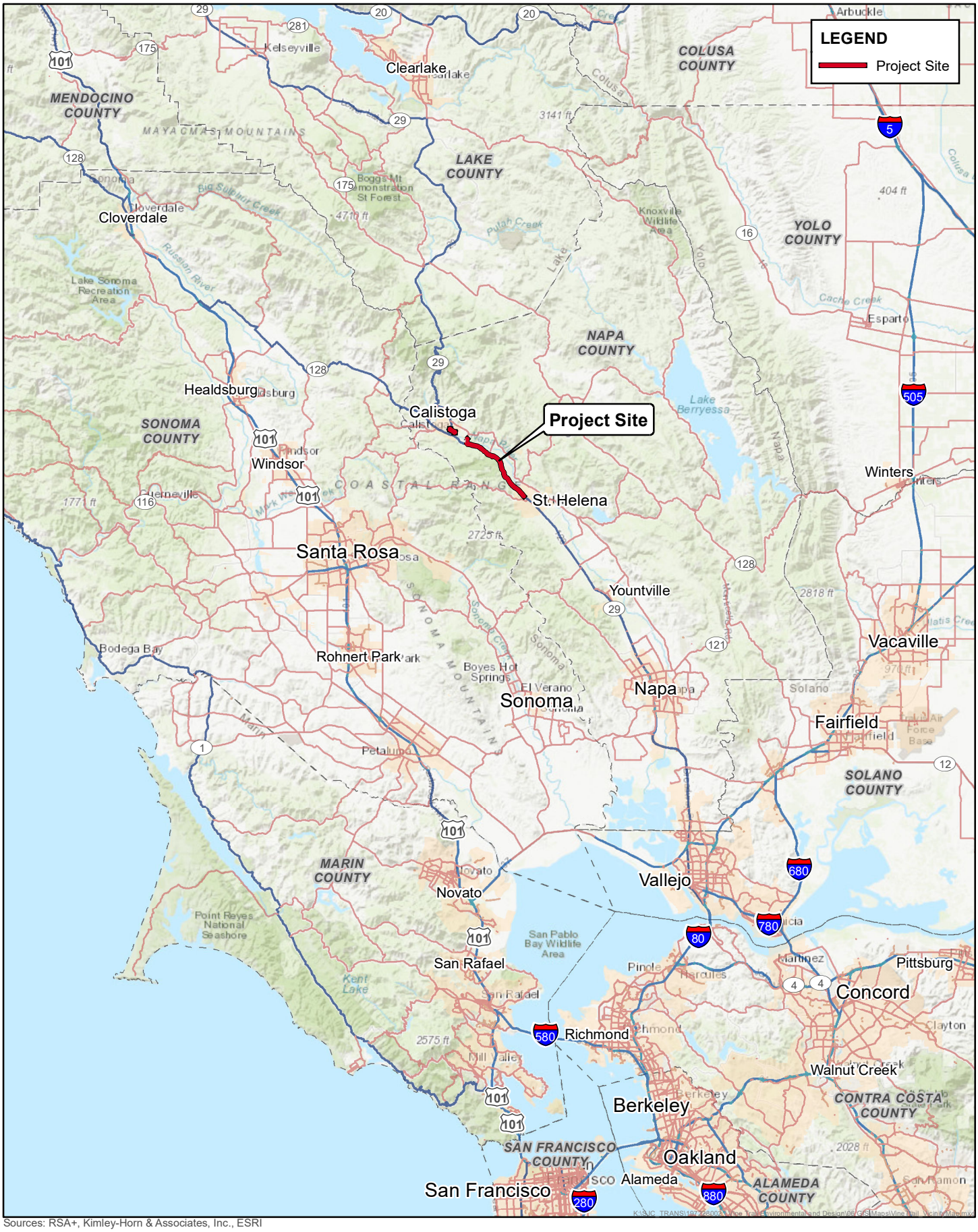
TPH	Total Petroleum Hydrocarbons
VOCs	Volatile Organic Compounds
SVOCs	Semi-volatile Organic Compounds
LBP	Lead Based Paint
ACM	Asbestos Containing Material
PAHs	Polyaromatic Hydrocarbons
RCRA	Resource Conservation Recovery Act

HazMat Hazardous Materials

O&M	Operations and Maintenance
UST	Underground Storage Tank
LUST	Leaking Underground Storage Tank
EDR	Environmental Data Resources Inc.
MTBE	Methyl Tert-Butyl Ether
USGS	United States Geological Services
ISA	Initial Site Assessment
ADL	Aerially Deposited Lead

Annex

PCBs	Polychlorinated Biphenyls
SB	Southbound
NB	Northbound
TSCA	Toxic Substances Control Act
AHERA	Asbestos Hazardous Emergency Response Act
COCs	Chemicals of Concern
RWQCB	Regional Water Quality Control Board
DTSC	Department of Toxic Substances Control



Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI

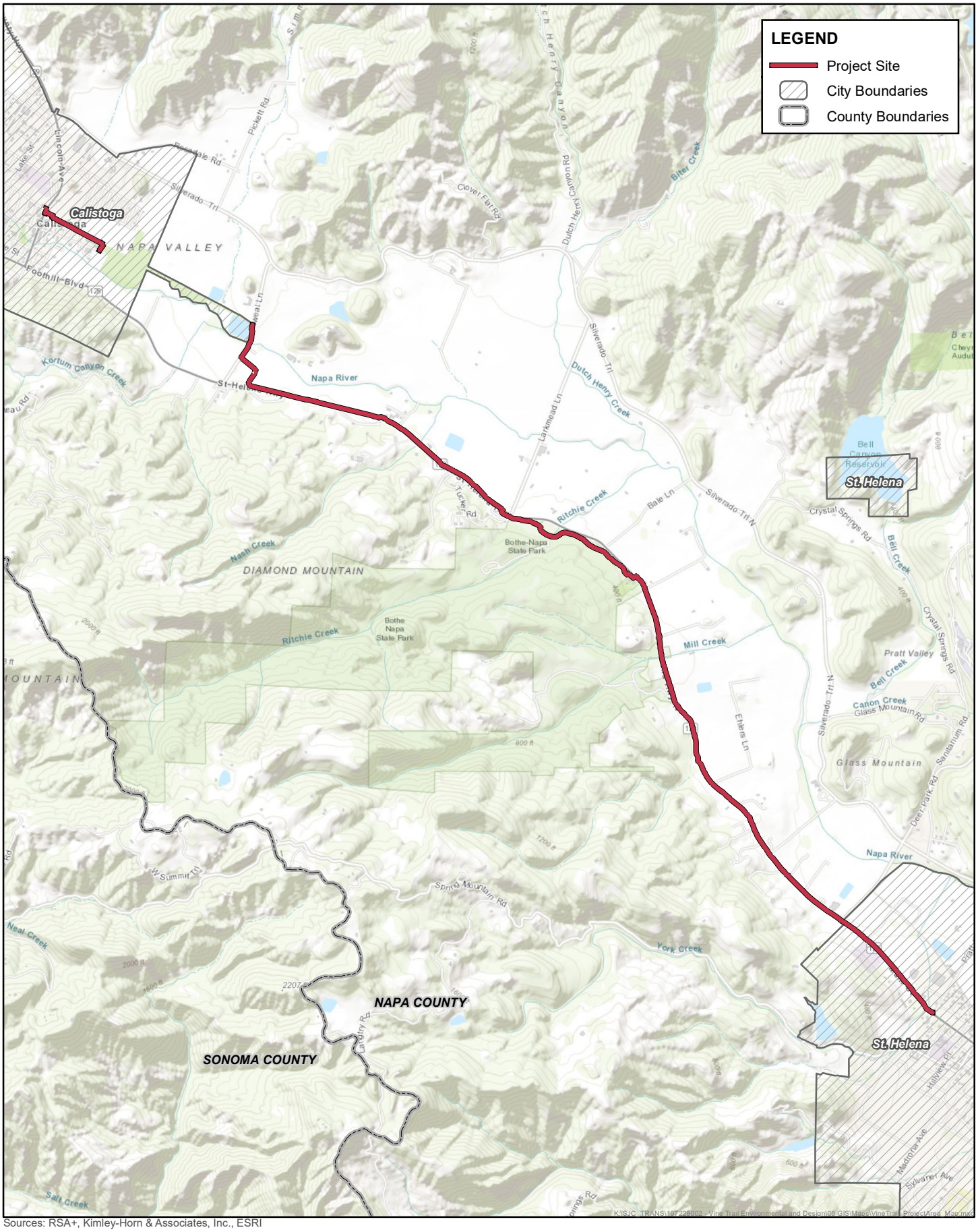
FIGURE 1: Vicinity Map

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

0 5 10 Miles

1:600,000

Kimley»Horn



Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI

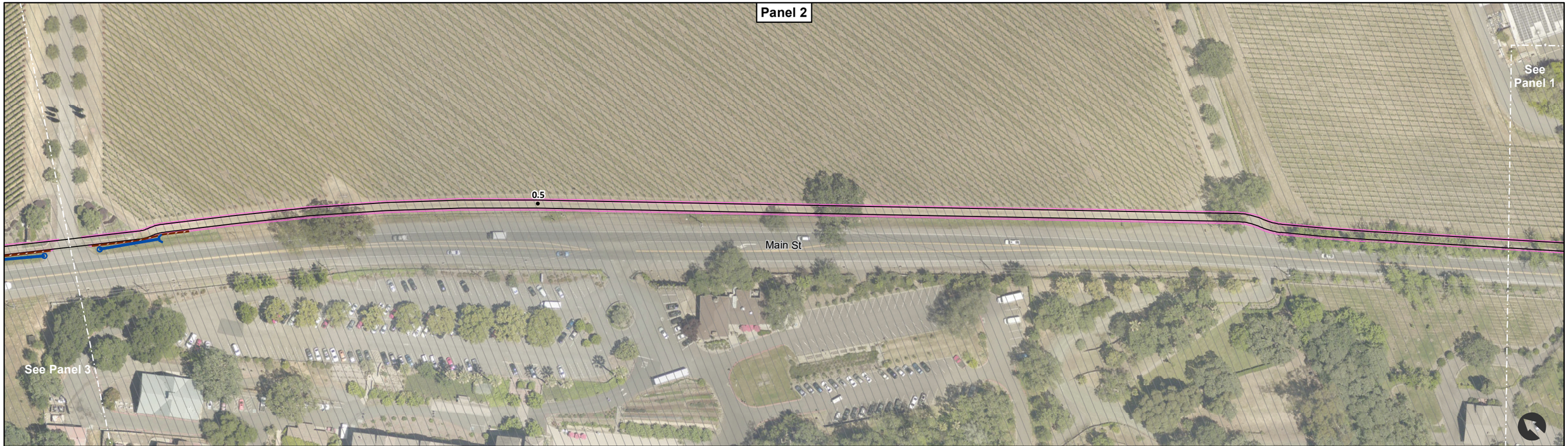
FIGURE 2: Site Location Map

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

0 0.5 1 Miles

1:50,000

Kimley»Horn



Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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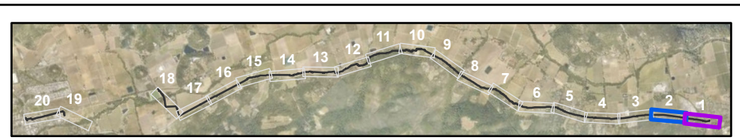
FIGURE 3A: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries



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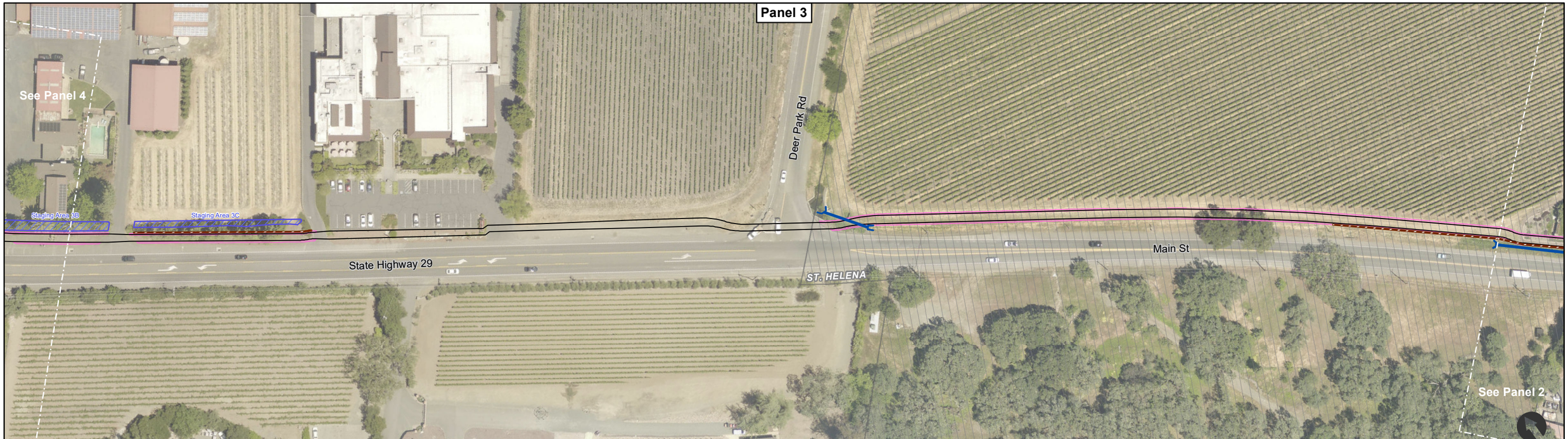
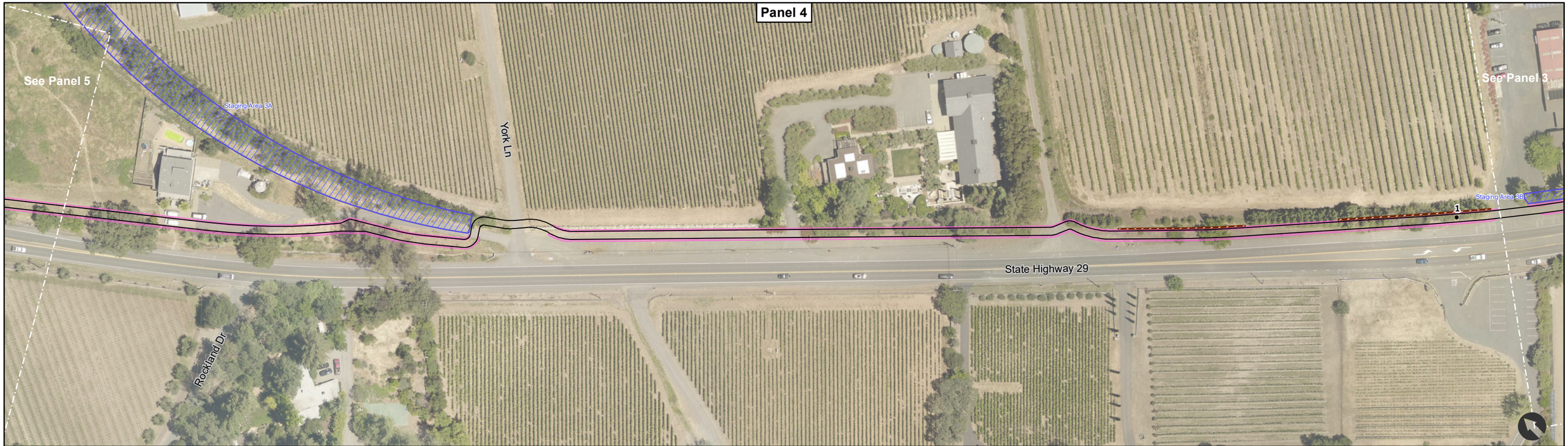
Kimley»Horn





Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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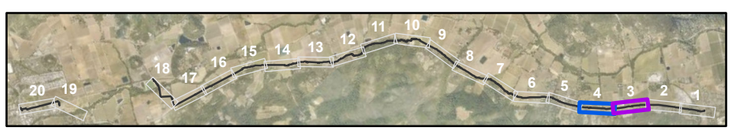
FIGURE 3B: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries



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Kimley»Horn

Panel 5

See Panel 6

See Panel 4

State Highway 29

Bird Hill Rd

Lodi Ln

1.5

Panel 6

See Panel 7

See Panel 5

Ehlers Ln

State Highway 29

2

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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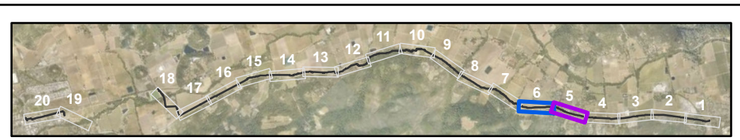
FIGURE 3C: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries



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Kimley»Horn

Panel 7

See Panel 6

State Highway 29

See Panel 8

Panel 8

See Panel 9

2.5

See Panel 7

State Highway 29

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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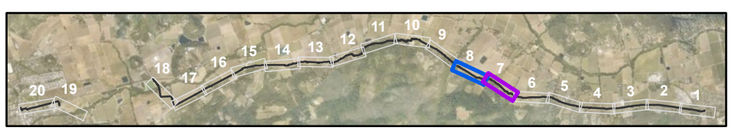
FIGURE 3D: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries



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Kimley»Horn

Panel 9

See Panel 8

3

State Highway 29

See Panel 10

Panel 10

Big Tree Rd

State Highway 29

3.5

See Panel 11

See Panel 9

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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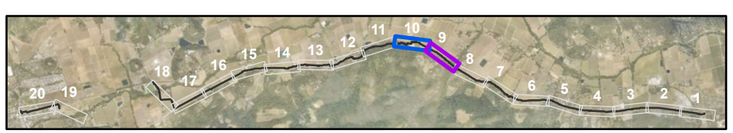
FIGURE 3E: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries



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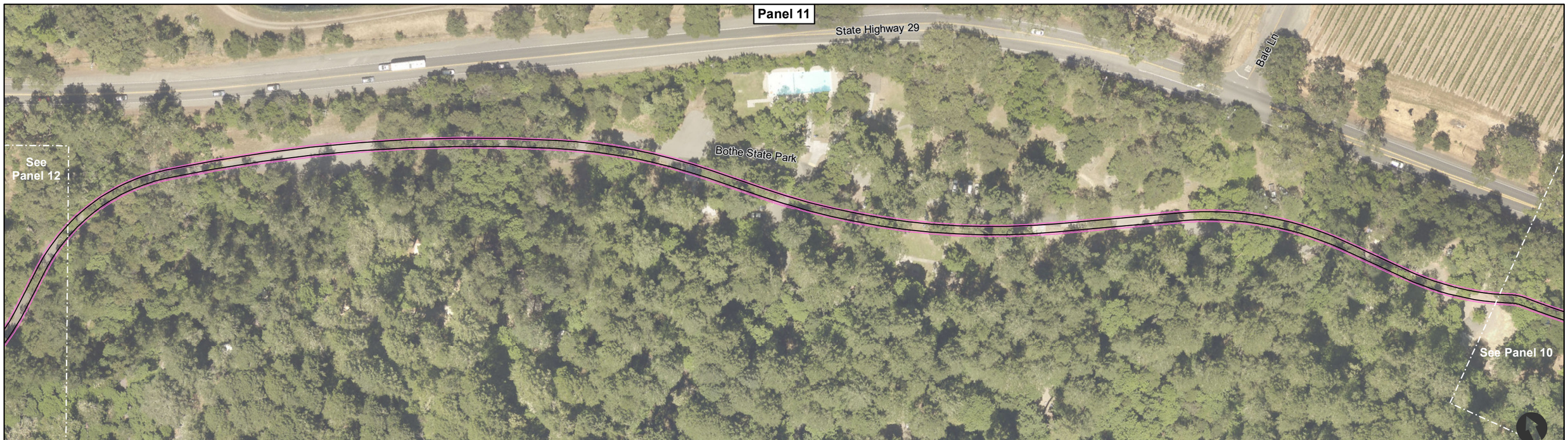

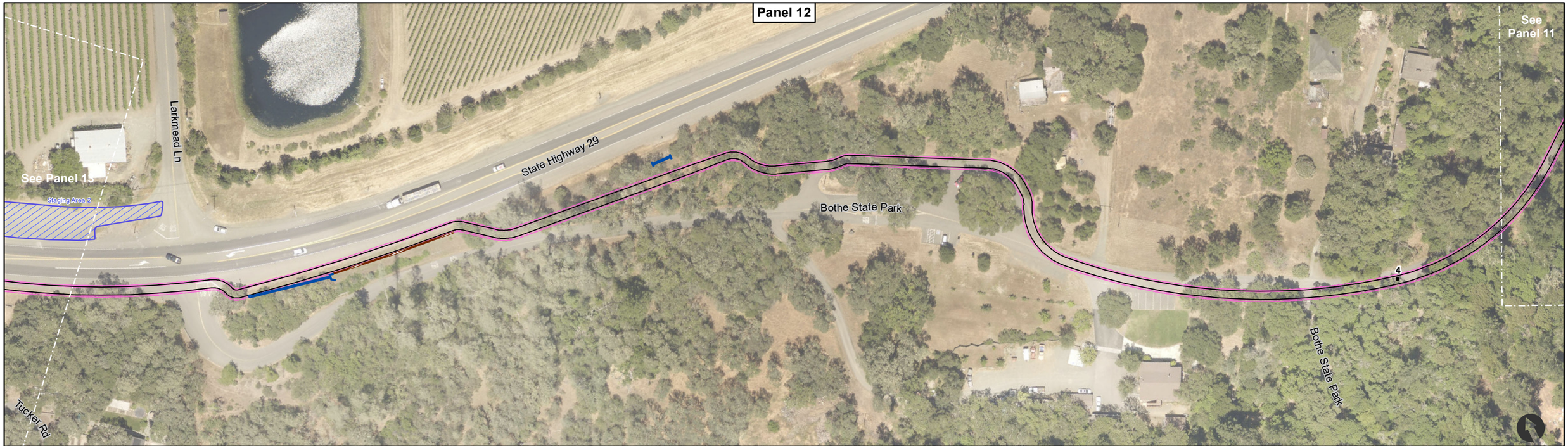

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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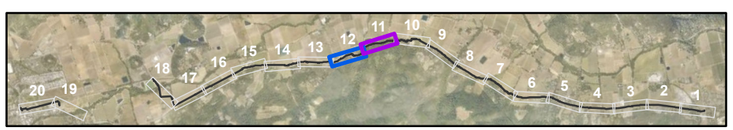
FIGURE 3F: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries



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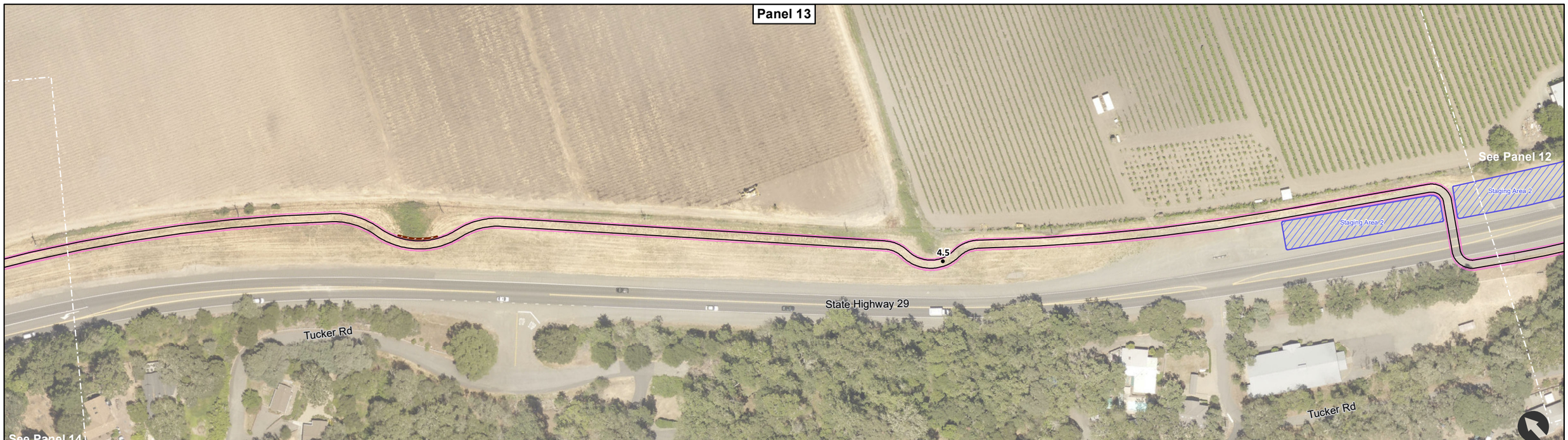
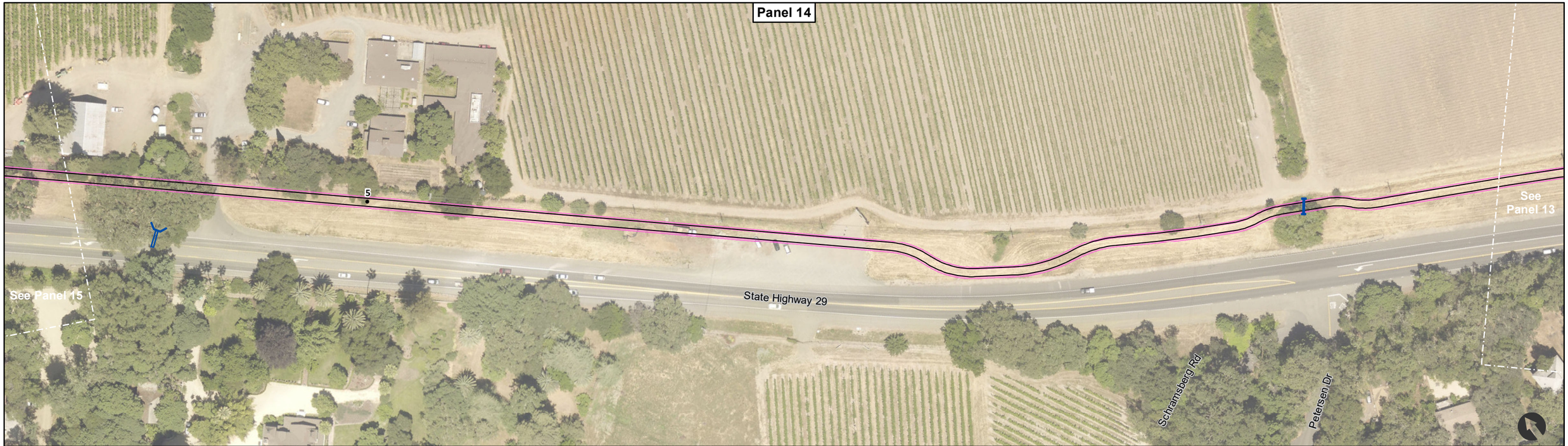
Kimley»Horn





Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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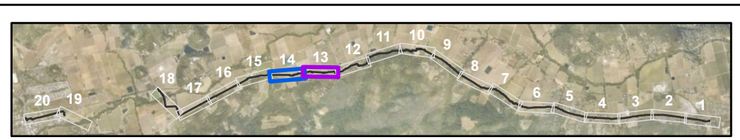
FIGURE 3G: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries



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Kimley»Horn

Panel 15

State Highway 29

Maple Ln

Heitz Way

See Panel 16

See Panel 14

Panel 16

See Panel 17

5.5

State Highway 29

Heitz Way

See Panel 15

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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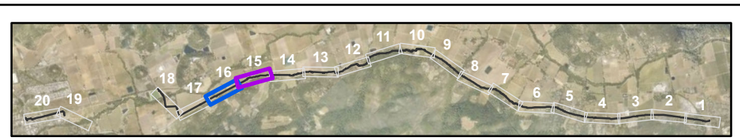
FIGURE 3H: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries



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Kimley»Horn

Panel 17

See Panel 18

See Panel 16

6

State Highway 29

Azalea Springs Way

Azalea Springs Way

Panel 18

6.6

6.5

Staging Area 1

CALISTOGA

Dunaweal Ln

See Panel 17

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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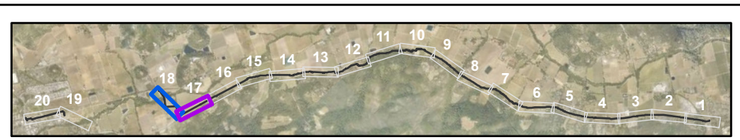
FIGURE 3I: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries



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Kimley»Horn

Panel 19

Washington St

See Panel 20

Panel 20

Lincoln Ave

Gerard St

Franklin St

Anna St

Eddy St

Earl St

See Panel 19

Washington St

Sources: RSA+, Kimley-Horn & Associates, Inc., ESRI. Project trail alignment and features last updated on October 21, 2019.

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FIGURE 3J: Proposed Project

Napa Valley Vine Trail -- St. Helena to Calistoga Segment

LEGEND

- Vine Trail Mile Markers
- Drainage Improvements
- Fairway
- Trail Path
- Trail Shoulder
- Retaining Wall
- Staging Areas
- City Boundaries

0 100 200 Feet

1:1,420

Kimley»Horn

Appendix A Historical Aerial Photographs

Napa Vine Trail

Napa Vine Trail

Saint Helena, CA 94574

Inquiry Number: 5947391.6

January 29, 2020

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

01/29/20

Site Name:

Napa Vine Trail
Napa Vine Trail
Saint Helena, CA 94574
EDR Inquiry # 5947391.6

Client Name:

Parikh Consultants
1497 N Milpitas Blvd
Milpitas, CA 95035
Contact: Gary Parikh

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2016	1"=1000'	Flight Year: 2016	NAIP
2012	1"=1000'	Flight Year: 2012	NAIP
2009	1"=1000'	Flight Year: 2009	NAIP
2005	1"=1000'	Flight Year: 2005	NAIP
1993	1"=1000'	Acquisition Date: January 01, 1993	DOQQ
1982	1"=1000'	Flight Date: January 01, 1982	USDA
1973	1"=1000'	Flight Date: January 01, 1973	USGS
1968	1"=1000'	Flight Date: January 01, 1968	USGS
1953	1"=1000'	Flight Date: January 01, 1953	USDA

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INQUIRY #: 5947391.6

YEAR: 2016

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 2016

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 2016

= 1000'

N

EDR

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INQUIRY #: 5947391.6

YEAR: 2012

= 1000'

N

EDR

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INQUIRY #: 5947391.6

YEAR: 2012

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 2012

= 1000'

N

EDR

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INQUIRY #: 5947391.6

YEAR: 2009

= 1000'

N

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Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 2009

= 1000'

N

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INQUIRY #: 5947391.6

YEAR: 2009

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 2005

= 1000'

N

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INQUIRY #: 5947391.6

YEAR: 2005

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INQUIRY #: 5947391.6

YEAR: 2005

= 1000'

N

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INQUIRY #: 5947391.6

YEAR: 1993

= 1000'

N

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INQUIRY #: 5947391.6

YEAR: 1993

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N

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INQUIRY #: 5947391.6

YEAR: 1993

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N

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INQUIRY #: 5947391.6

YEAR: 1982

= 1000'

N

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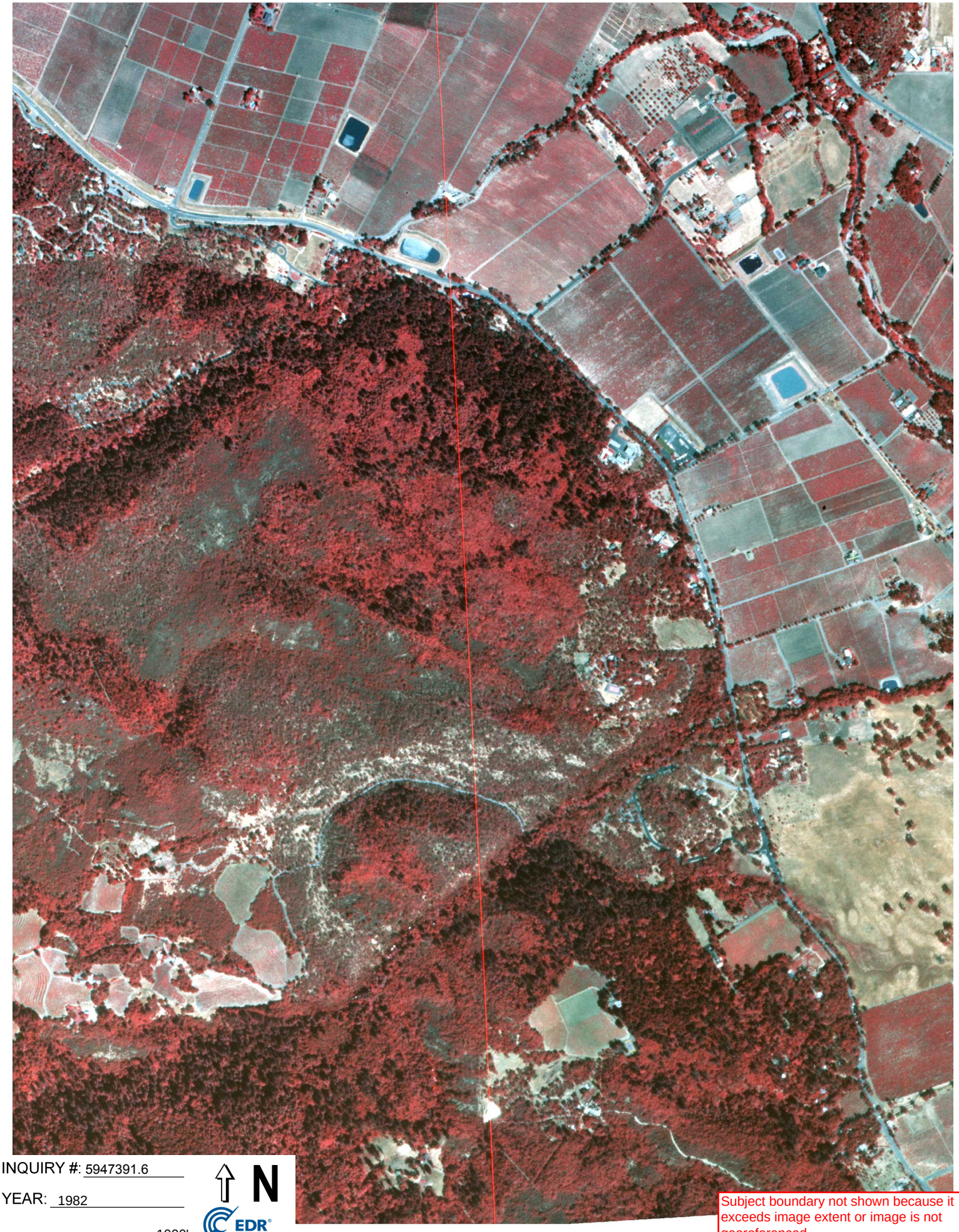

INQUIRY #: 5947391.6

YEAR: 1982

= 1000'

N

EDR

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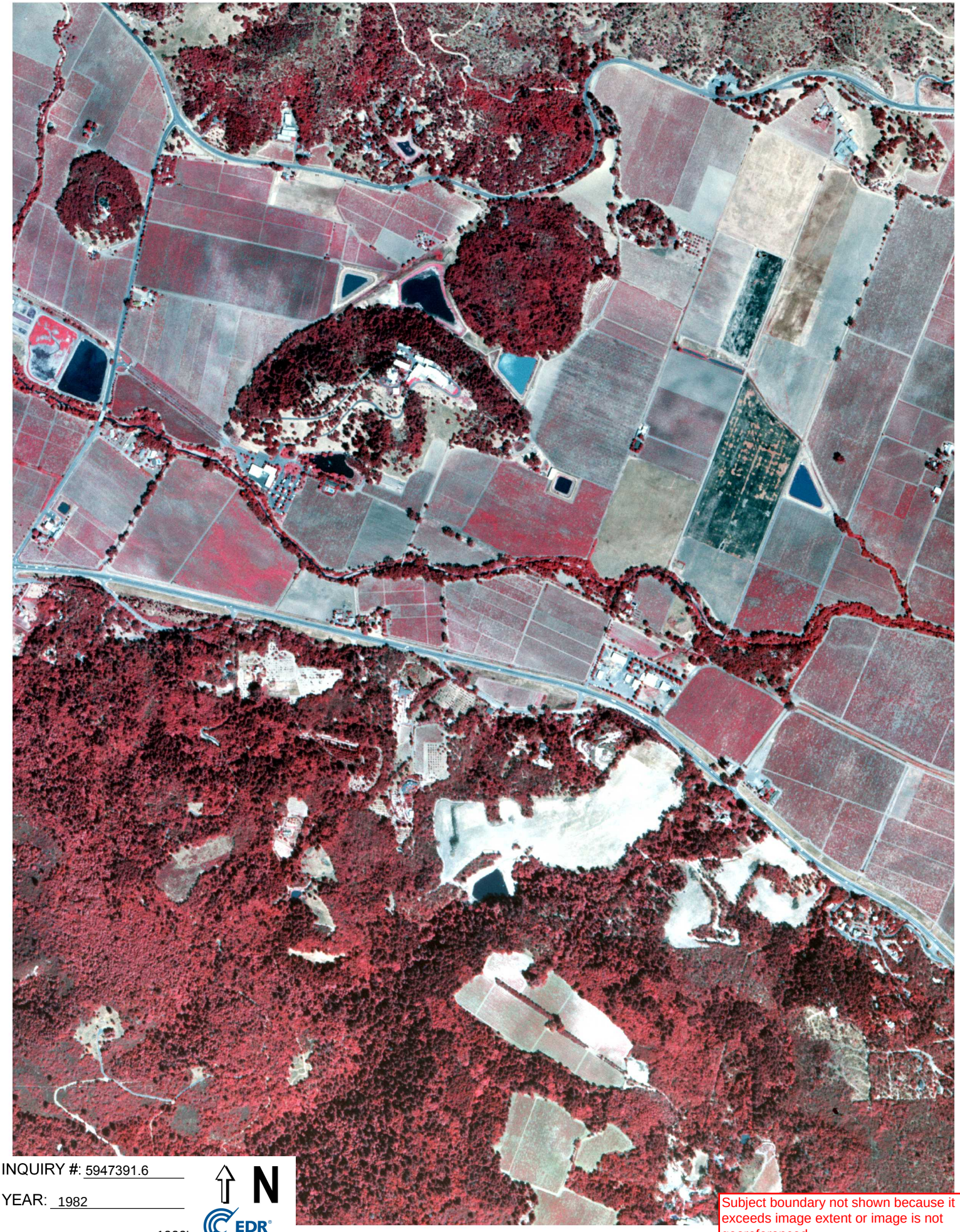

INQUIRY #: 5947391.6

YEAR: 1982

= 1000'

N

EDR

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INQUIRY #: 5947391.6

YEAR: 1973

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 1973

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 1973

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 1968

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 1968

= 1000'

N

EDR

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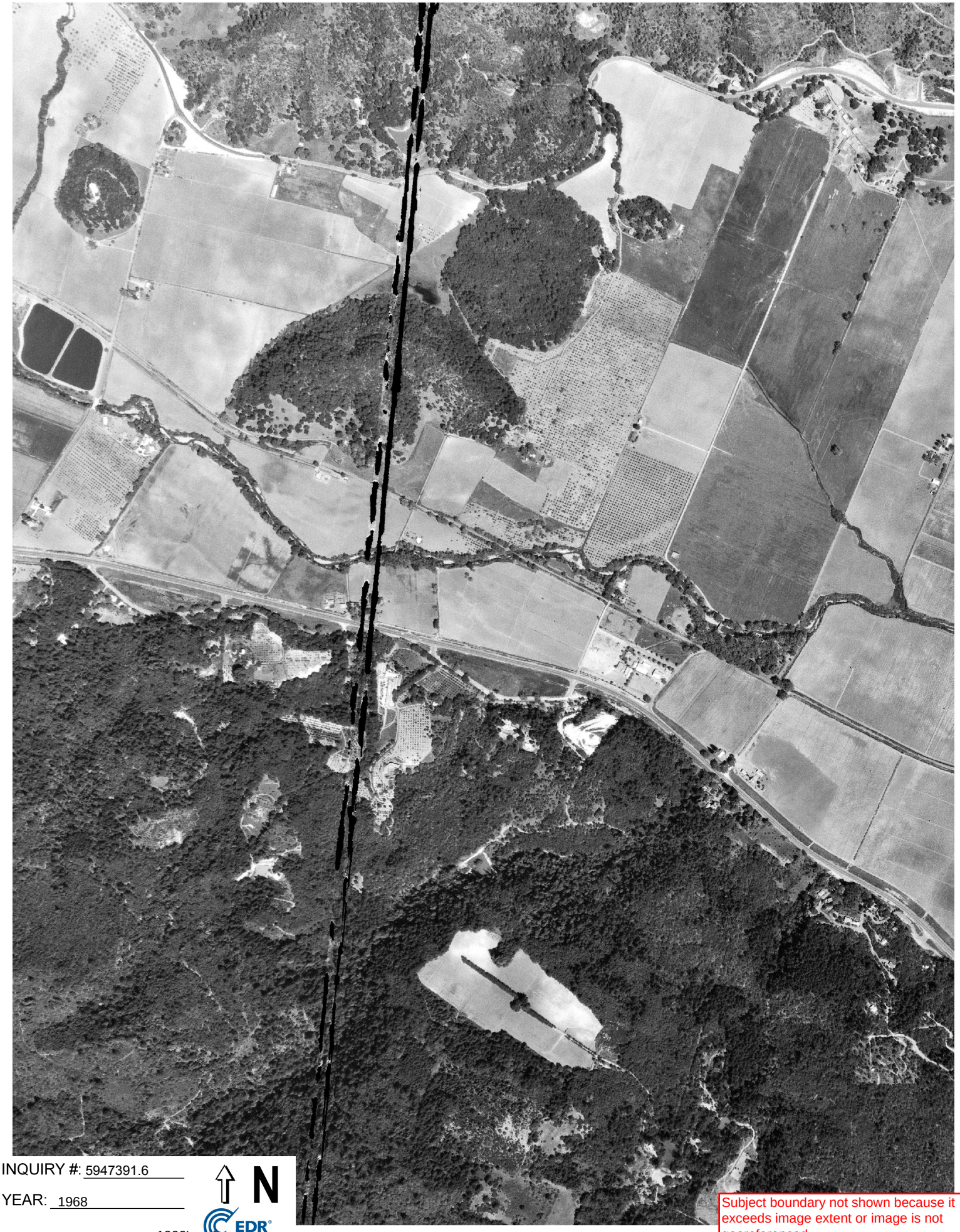

INQUIRY #: 5947391.6

YEAR: 1968

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 1953

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 1953

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5947391.6

YEAR: 1953

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

Appendix B **EDR Radius Map Report**

Napa Vine Trail
Napa Vine Trail
Saint Helena, CA 94574

Inquiry Number: 5947391.5s
January 28, 2020

EDR Area / Corridor Report

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

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Orphan Summary	OR-1
Government Records Searched/Data Currency Tracking	GR-1

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

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EXECUTIVE SUMMARY

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

SUBJECT PROPERTY INFORMATION

ADDRESS

NAPA VINE TRAIL
SAINT HELENA, CA 94574

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

STANDARD ENVIRONMENTAL RECORDS

Federal ERNS list

ERNS: Emergency Response Notification System

A review of the ERNS list, as provided by EDR, and dated 09/09/2019 has revealed that there are 7 ERNS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
Not reported Incident Date Time: 2014-04-14 11:48:00 NRC Report #: 1079707	2800 MAIN STREET	N69 / 13	147
Not reported Incident Date Time: 2014-04-14 08:40:00 NRC Report #: 1086325	2800 MAIN STREET	N70 / 13	147
Not reported Incident Date Time: 2006-07-03 17:00:00 NRC Report #: 802919	2800 MAIN STREET	N71 / 13	148
Not reported Incident Date Time: 1998-08-09 17:30:00 NRC Report #: 449690	1000 PRATT AVE	O78 / 13	164
Not reported Incident Date Time: 1993-03-24 10:20:00 NRC Report #: 163842	1000 PRATT AVE	O81 / 13	195
Not reported	1000 PRATT AVE	O82 / 13	195

Incident Date Time: 1999-04-27 11:00:00
NRC Report #: 481787

Not reported	1000 PRATT AVENUE	O93 / 13	228

Incident Date Time: 1991-04-03 20:50:00
NRC Report #: 66568

State and tribal leaking storage tank lists

LUST: Geotracker's Leaking Underground Fuel Tank Report

A review of the LUST list, as provided by EDR, has revealed that there are 2 LUST sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
PATRICK FLYNN	4102 ST HELENA HWY	B5 / 5	53
Database: NAPA CO. LUST, Date of Government Version: 01/09/2017 Status: Closed Permit ID: 248296			
BERINGER - ICON III	***1000 PRATT AVENUE***	***O84 / 13***	***201***
Database: NAPA CO. LUST, Date of Government Version: 01/09/2017 Status: Closed Permit ID: 248211			

State and tribal registered storage tank lists

UST: Active UST Facilities

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
ROBT. LOUIS STEVENSO	3801 SAINT HELENA HW	D20 / 6	69
Database: NAPA CO. UST, Date of Government Version: 09/05/2019 Facility Id: NAPA0665			

AST: Aboveground Petroleum Storage Tank Facilities

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
CALISTOGA RANCH (BV	3996 SAINT HELENA HW	C11 / 5	58
Database: AST, Date of Government Version: 07/06/2016			
COLLINS FAMILY VINEY	3486 SAINT HELENA HW	E24 / 10	74
Database: AST, Date of Government Version: 07/06/2016			

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: CERS HAZ WASTE

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/21/2019 has revealed that there are 4 CERS HAZ WASTE sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
CALISTOGA BARN	***3996 SAINT HELENA HW***	***C9 / 5***	***55***
MARKHAM VINEYARDS	***2812 SAINT HELENA HW***	***L55 / 13***	***116***
CHARLES KRUG WINERY	***2800 ST HELENA HWY***	***64 / 13***	***138***
ST. HELENA VINEYARD	***1000 PRATT AVE***	***O80 / 13***	***170***

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
STERLING VINEYARDS Status: A Tank Status: A Comp Number: 35318	***1111 DUNAWGAL LANE***	***A1 / 5***	***42***
COLLINS VINEYARD Status: A Tank Status: A Comp Number: 39138	3486 N ST HELENA HWY	E25 / 10	74
CHARLES KRUG WINERY Status: A Tank Status: A Comp Number: 30424	***2800 ST HELENA HWY***	***64 / 13***	***138***

HIST UST: Hazardous Substance Storage Container Database

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
STERLING VINEYARDS	***1111 DUNAWGAL LANE***	***A1 / 5***	***42***
CALISTOGA RANCH Facility Id: 00000046086	3996 SAINT HELENA HW	C8 / 5	54
CALISTOGA RANCH	3996 ST HELENA HWY N	C13 / 5	59
COLLINS VINEYARD Facility Id: 00000039138	3486 N ST HELENA HWY	E22 / 10	73
CHARLES KRUG WINERY	***2800 MAIN ST***	***N77 / 13***	***160***

EXECUTIVE SUMMARY

Facility Id: 00000030424

CERS TANKS: California Environmental Reporting System (CERS) Tanks

A review of the CERS TANKS list, as provided by EDR, and dated 10/21/2019 has revealed that there is 1 CERS TANKS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
CALISTOGA RANCH (BV	***3996 SAINT HELENA HW***	***C14 / 5***	***60***

Records of Emergency Release Reports

CHMIRS: California Hazardous Material Incident Report System

A review of the CHMIRS list, as provided by EDR, and dated 05/15/2019 has revealed that there are 10 CHMIRS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
Not reported OES Incident Number: 08-6439	2812 ST. HELENA HWY	L58 / 13	125
Not reported OES Incident Number: 08-6184	2812 ST. HELENA HIGH	L60 / 13	133
Not reported OES Incident Number: 117711 Date Completed: 26-JUN-91	2800 ST HELENA HIGHW	65 / 13	143
Not reported OES Incident Number: 6-3943	2800 MAIN ST.	N67 / 13	145
Not reported OES Incident Number: 4-2179	2800 MAIN STREET	N73 / 13	156
Not reported OES Incident Number: 0-5052	CHARLES KRUG WINERY	N74 / 13	158
Not reported OES Incident Number: 3-2630 OES Incident Number: 0-6036 OES Incident Number: 18-8126 OES Incident Number: 8-3634	1000 PRATT AVE	O83 / 13	196
BERINGER - ICON III OES Incident Number: 9-1845	***1000 PRATT AVENUE***	***O84 / 13***	***201***
Not reported OES Incident Number: 2-6990 OES Incident Number: 1-7036	1000 PRATT AVE.	O85 / 13	220
Not reported OES Incident Number: 116262 Date Completed: 03-APR-91	1000 PRATTE AVENUE	O86 / 13	222

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/16/2019 has revealed that there are 5 RCRA NonGen / NLR sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
NAPA COUNTY - DEPART EPA ID:: CAH111001235	3996 N ST HELENA HWY	C15 / 5	64
T AND M AGRICULTURAL EPA ID:: CAL000383222	3996 SAINT HELENA HW	C16 / 5	65
CA STATE DEPT. OF PA EPA ID:: CAC002977080	3801 ST HELENA HWY,	D19 / 6	68
MARKHAM VINEYARDS EPA ID:: CAL000399011	2812 SAINT HELENA HW	L57 / 13	123
BERINGER VINEYARDS EPA ID:: CAL000049240	1000 PRATT AVE	O92 / 13	227

RMP: Risk Management Plans

A review of the RMP list, as provided by EDR, and dated 04/25/2019 has revealed that there is 1 RMP site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
BERINGER VINEYARDS	1000 PRATT AVENUE	O94 / 13	228

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A review of the FTTS list, as provided by EDR, has revealed that there are 2 FTTS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
BERINGER VINEYARDS Database: FTTS INSP, Date of Government Version: 04/09/2009	1000 PRATT AVE	O88 / 13	224
BERINGER VINEYARDS Database: FTTS, Date of Government Version: 04/09/2009 Docket Number:: EPCRA09-89-0014 Close Date:: / /	1000 PRATT AVE	O91 / 13	226

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A review of the HIST FTTS list, as provided by EDR, has revealed that there are 2 HIST FTTS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
BERINGER VINEYARDS Database: HIST FTTS, Date of Government Version: 10/19/2006	1000 PRATT AVE	O87 / 13	224

Close Date:: / /
Docket Number:: EPCRA09-89-0014

BERINGER VINEYARDS ***1000 PRATT AVE*** ***O90 / 13*** ***225***
Database: HIST FTTS INSP, Date of Government Version: 10/19/2006

FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 08/12/2019 has revealed that there are 20 FINDS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
CITY OF CALISTOGA Registry ID:: 110006835782	DUNAWEAL LANE	A2 / 5	43
NAPA COUNTY - DEPART Registry ID:: 110070409344	***3996 N ST HELENA HWY***	***C7 / 5***	***53***
T AND M AGRICULTURAL Registry ID:: 110070411315	***3996 SAINT HELENA HW***	***C10 / 5***	***58***
CALISTOGA RANCH Registry ID:: 110055817530	3996 SAINT HELENA HW	C12 / 5	59
CA STATE DEPT. OF PA Registry ID:: 110070465282	***3801 ST HELENA HWY,***	***D18 / 6***	***67***
COLLINS, W.D. Registry ID:: 110055835985	3486 SAINT HELENA HW	E23 / 10	73
AIDA VINEYARD Registry ID:: 110055782032	3480 ST. HELENA HWY	E26 / 10	75
PRIEST RANCH REFUSE Registry ID:: 110014005986	3460 128 HWY	F28 / 10	77
ALLORA VINEYARDS Registry ID:: 110065327355	3244 EHLERS LN	31 / 11	79
EHLERS ESTATE Registry ID:: 110065929883	***3222 EHLERS LN***	***G32 / 11***	***79***
TRINCHERO WINERY Registry ID:: 110055675112	3070 SAINT HELENA HW	H36 / 13	85
MONITORING STATION Registry ID:: 110020817696	3022 ST HELENA HWY	I38 / 13	88
FREEMARK ABBEY WINER Registry ID:: 110055854142	3022 SAINT HELENA HW	I40 / 13	89
REVANA FAMILY PARTNE Registry ID:: 110070094255	***2930 ST HELENA HWY N***	***J48 / 13***	***109***
REVANA FAMILY WINERY Registry ID:: 110055915201	2930 ST HELENA N HWY	J49 / 13	110
CWMS WWTP (AT MARKHA Registry ID:: 110065962729	2812 ST HELENA HWY N	L54 / 13	115
MARKHAM VINEYARDS (W Registry ID:: 110070087447	***2812 ST HELENA HWY***	***L56 / 13***	***123***
KRUG RANCH	2800 ST HELENA HWY N	M61 / 13	135

Registry ID:: 110065771542

CHARLES KRUG WINERY Registry ID:: 110058338142	***2800 MAIN STREET***	***N75 / 13***	***159***
BERINGER VINEYARDS Registry ID:: 110000515069	***1000 PRATT AVENUE***	***O89 / 13***	***224***

ECHO: Enforcement & Compliance History Information

A review of the ECHO list, as provided by EDR, and dated 10/06/2019 has revealed that there are 8 ECHO sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
NAPA COUNTY - DEPART Registry ID: 110070409344	***3996 N ST HELENA HWY***	***C7 / 5***	***53***
T AND M AGRICULTURAL Registry ID: 110070411315	***3996 SAINT HELENA HW***	***C10 / 5***	***58***
CA STATE DEPT. OF PA Registry ID: 110070465282	***3801 ST HELENA HWY,***	***D18 / 6***	***67***
EHLERS ESTATE Registry ID: 110065929883	***3222 EHLERS LN***	***G32 / 11***	***79***
REVANA FAMILY PARTNE Registry ID: 110070094255	***2930 ST HELENA HWY N***	***J48 / 13***	***109***
MARKHAM VINEYARDS (W Registry ID: 110065236346	***2812 ST HELENA HWY***	***L56 / 13***	***123***
CHARLES KRUG WINERY Registry ID: 110058338142	***2800 MAIN STREET***	***N75 / 13***	***159***
BERINGER VINEYARDS Registry ID: 110000515069	***1000 PRATT AVENUE***	***O89 / 13***	***224***

EMI: Emissions Inventory Data

A review of the EMI list, as provided by EDR, and dated 12/31/2017 has revealed that there are 3 EMI sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
CITY OF CALISTOGA Facility Id: 3471	***DUNAWEAL LANE***	***A3 / 5***	***43***
CHARLES KRUG WINERY Facility Id: 20405	***2800 MAIN ST***	***N77 / 13***	***160***
BERINGER VINEYARDS Facility Id: 18818	***1000 PRATT AVENUE***	***O79 / 13***	***164***

EXECUTIVE SUMMARY

HAZNET: Facility and Manifest Data

A review of the HAZNET list, as provided by EDR, and dated 12/31/2017 has revealed that there are 11 HAZNET sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
A & P AG STRUCTURES, GEPAID: CAC000925032	4102 ST. HELENA HWY.	B4 / 5	52
1X HEUBLEIN FINE WIN GEPAID: CAC000535024	3996 ST HELENA HWY	C6 / 5	53
DPR - BUTHE NAPA GEPAID: CAL000026299	3801 SAINT HELENA HW	D17 / 6	66
SCHOENSTEIN VINEYARD GEPAID: CAC002766660	3414 SAINT HELENA HW	30 / 10	78
FREEMARK ABBY WINERY GEPAID: CAC002631202	3022 SAINT HELENA HW	I44 / 13	96
C MONDAVI & SONS GEPAID: CAL000023627	2800 ST HELENA HIGHW	L52 / 13	111
C. MONDAVI & SONS GEPAID: CAC000725608	2800 ST HELENA HWY	L53 / 13	115
C. MONDAVI & FAMILY GEPAID: CAC002830435	2800 SAINT HELENA HW	M63 / 13	137
C. MONDAVI & FAMILY GEPAID: CAC002846930	2800 MAIN ST.	N66 / 13	144
CHARLES KRUG WINERY GEPAID: CAC002368807	2800 MAIN ST	N68 / 13	147
BERINGER - ICON III GEPAID: CAL000049240	***1000 PRATT AVENUE***	***O84 / 13***	***201***

NPDES: NPDES Permits Listing

A review of the NPDES list, as provided by EDR, and dated 11/11/2019 has revealed that there are 5 NPDES sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
LAURA DIAZ MUNOZ Facility Status: Active	***3222 EHLERS LANE***	***G33 / 11***	***80***
REVANA FAMILY PARTNE Facility Status: Active	***2930 ST HELENA HWY N***	***J46 / 13***	***99***
MARKHAM VINEYARDS Facility Status: Active	***2812 ST HELENA HWY N***	***L59 / 13***	***126***
CHARLES KRUG WINERY Facility Status: Active	***2800 MAIN ST***	***N72 / 13***	***148***
BERINGER - ICON III Facility Status: Active Facility Status: Terminated	***1000 PRATT AVENUE***	***O84 / 13***	***201***

EXECUTIVE SUMMARY

PEST LIC: Pesticide Regulation Licenses Listing

A review of the PEST LIC list, as provided by EDR, and dated 09/03/2019 has revealed that there is 1 PEST LIC site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
LAURA DIAZ MUNOZ	***3222 EHLERS LANE***	***G33 / 11***	***80***

WDS: Waste Discharge System

A review of the WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there are 4 WDS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
FREEMARK ABBEY WINER Facility Status: A Facility Id: 2 28I016546	3022 SAINT HELENA HW	I42 / 13	94
MARKHAM VINEYARDS Facility Status: A Facility Id: 2 28I003333	***2812 SAINT HELENA HW***	***L55 / 13***	***116***
CHARLES KRUG WINERY Facility Status: A Facility Id: 2 28I014290	***2800 MAIN ST***	***N77 / 13***	***160***
BERINGER VINEYARDS Facility Status: A Facility Id: 2 28I002904	***1000 PRATT AVE***	***O90 / 13***	***225***

CIWQS: California Integrated Water Quality System

A review of the CIWQS list, as provided by EDR, and dated 09/03/2019 has revealed that there are 9 CIWQS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
LAURA DIAZ MUNOZ	***3222 EHLERS LANE***	***G33 / 11***	***80***
EHLERS ESTATE WINERY	3222 EHLERS LN	G34 / 11	84
FREEMARK ABBEY WINER	3022 ST. HELENA HWY	I43 / 13	95
REVANA FAMILY PARTNE	***2930 ST HELENA HWY N***	***J46 / 13***	***99***
ST. CLEMENT VINEYARD		K51 / 13	111
MARKHAM VINEYARDS	***2812 ST HELENA HWY N***	***L59 / 13***	***126***
CHARLES KRUG WINERY	2800 MAIN ST	N76 / 13	160
BERINGER - ICON III	***1000 PRATT AVENUE***	***O84 / 13***	***201***
BERINGER WINERY- YOR		P96 / 13	234

CERS: CERS

A review of the CERS list, as provided by EDR, and dated 10/21/2019 has revealed that there are 24 CERS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
CITY OF CALISTOGA	***DUNAWEAL LANE***	***A3 / 5***	***43***
CALISTOGA BARN	***3996 SAINT HELENA HW***	***C9 / 5***	***55***
CALISTOGA RANCH (BV	***3996 SAINT HELENA HW***	***C14 / 5***	***60***

EXECUTIVE SUMMARY

Site	Address	Map ID / Focus Map(s)	Page
COLLINS FAMILY VINEY	3486 SAINT HELENA HW	E21 / 10	70
AIDA VINEYARD	3480 ST. HELENA HWY	E27 / 10	75
PRIEST RANCH REFUSE	3460 128 HWY	F29 / 10	78
LAURA DIAZ MUNOZ	***3222 EHLERS LANE***	***G33 / 11***	***80***
EHLERS ESTATE	3222 EHLERS LANE	G35 / 11	85
TRINCHERO WINERY	3070 SAINT HELENA HW	H37 / 13	85
MONITORING STATION	3022 ST HELENA HWY	I39 / 13	88
FREEMARK ABBEY WINER	3022 ST. HELENA HIGH	I41 / 13	89
REVANA FAMILY VINEYA	2930 ST. HELENA HWY	J45 / 13	96
REVANA FAMILY PARTNE	***2930 ST HELENA HWY N***	***J46 / 13***	***99***
REVANA FAMILY WINERY	2930 ST HELENA N HWY	J47 / 13	106
ST. CLEMENT VINEYARD		K50 / 13	110
MARKHAM VINEYARDS	***2812 SAINT HELENA HW***	***L55 / 13***	***116***
MARKHAM VINEYARDS	***2812 ST HELENA HWY N***	***L59 / 13***	***126***
KRUG RANCH	2800 ST HELENA HWY N	M62 / 13	135
CHARLES KRUG WINERY	***2800 ST HELENA HWY***	***64 / 13***	***138***
CHARLES KRUG WINERY	***2800 MAIN ST***	***N72 / 13***	***148***
CHARLES KRUG WINERY	***2800 MAIN ST***	***N77 / 13***	***160***
BERINGER VINEYARDS	***1000 PRATT AVENUE***	***O79 / 13***	***164***
ST. HELENA VINEYARD	***1000 PRATT AVE***	***O80 / 13***	***170***
BERINGER WINERY- YOR		P95 / 13	234

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRA - Small Quantity Generators

A review of the RCRA-SQG list, as provided by EDR, and dated 12/16/2019 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
STERLING VINEYARDS EPA ID:: CAD983584152	***1111 DUNAWEAL LANE***	***NE 0 - 1/8 (0.014 mi.)***	***A101 / 5***	***244***
PG AND E SILVERADO S EPA ID:: CAR000033209	***1192 MAPLE LN***	***NNE 0 - 1/8 (0.016 mi.)***	***B107 / 5***	***258***
CAIRDEAN VINEYARDS L EPA ID:: CAP000269308	3125 ST HELENA HIGHW	SW 0 - 1/8 (0.019 mi.)	108 / 13	260

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/28/2019 has revealed that there are 3 ENVIROSTOR sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
KLASS CLEANERS	***1141 MAIN ST***	***SE 1/2 - 1 (0.726 mi.)***	***153 / 16***	***365***
Facility Id: 60002699				
Status: Active				
PG&E ST. HELENA	***1301-1302 MITCHELL D***	***SE 1/2 - 1 (0.820 mi.)***	***AA155 / 16***	***379***
Facility Id: 28490002				
Status: Certified / Operation & Maintenance				
ST HELENA PETROLEUM	***905 MAIN ST***	***SE 1/2 - 1 (0.946 mi.)***	***156 / 16***	***400***
Facility Id: 28290001				
Status: Refer: Other Agency				

State and tribal leaking storage tank lists

LUST: Geotracker's Leaking Underground Fuel Tank Report

A review of the LUST list, as provided by EDR, has revealed that there are 15 LUST sites within approximately 0.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
GIN PROPERTY	***3473 ST HELENA HWY***	***WSW 0 - 1/8 (0.015 mi.)***	***E102 / 10***	***246***
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Database: LUST, Date of Government Version: 09/09/2019				
Status: Completed - Case Closed				
Facility Id: 28-0226				
Facility Status: Leak being confirmed				
Global Id: T0605591140				
BERINGER VINEYARDS	***2000 MAIN ST***	***SW 0 - 1/8 (0.032 mi.)***	***R114 / 13***	***264***
Database: NAPA CO. LUST, Date of Government Version: 01/09/2017				
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Database: LUST, Date of Government Version: 09/09/2019				
Status: Completed - Case Closed				
Facility Id: 28-0019				
Facility Status: Case Closed				
Global Id: T0605500018				
Status: Open				
Permit ID: 249071				
date9: 6/27/1997				
CDF ST HELENA FOREST	***3535 HWY 29 N***	***SW 0 - 1/8 (0.035 mi.)***	***116 / 10***	***267***
Database: LUST REG 2, Date of Government Version: 09/30/2004				
Database: LUST, Date of Government Version: 09/09/2019				
Status: Completed - Case Closed				
Facility Id: 28-0317				
Facility Status: Leak being confirmed				

Global Id: T0605500272

ST HELENA FOREST FIR 3535 ST. HELENA HWY NNE 0 - 1/8 (0.081 mi.) V129 / 10 289
Database: NAPA CO. LUST, Date of Government Version: 01/09/2017
Status: Open
Permit ID: 248413

CALTRANS PROPERTY ***1684 UNION LN*** ***SW 1/4 - 1/2 (0.273 mi.)*** ***142 / 10*** ***340***
Database: NAPA CO. LUST, Date of Government Version: 01/09/2017
Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: 28-0033
Facility Status: Preliminary site assessment underway
Global Id: T0605500032
Status: Open
Permit ID: 248180

HELEN PASCHICH ESTAT ***1078 FULTON LANE*** ***SE 1/4 - 1/2 (0.273 mi.)*** ***X143 / 14*** ***344***
Database: LUST REG 2, Date of Government Version: 09/30/2004
Facility Id: 28-0134
Facility Status: Case Closed
date9: 12/10/1992

PRIVATE RESIDENCE ***PRIVATE RESIDENCE*** ***SE 1/4 - 1/2 (0.274 mi.)*** ***X144 / 14*** ***346***
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Global Id: T0605500123

ABRUZZINI PROPERTY ***1030 FULTON LN*** ***ESE 1/4 - 1/2 (0.289 mi.)*** ***145 / 14*** ***348***
Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: 28-0002
Facility Status: Case Closed
Global Id: T0605500001
date9: 5/15/1992

JAEGER, WILLIAM AND ***1665 SPRING MOUNTAIN*** ***SSE 1/4 - 1/2 (0.403 mi.)*** ***Y146 / 15*** ***351***
Database: NAPA CO. LUST, Date of Government Version: 01/09/2017
Status: Closed
Permit ID: 248181

JAEGER PROPERTY ***1665 SPRING MOUNTAIN*** ***SSE 1/4 - 1/2 (0.403 mi.)*** ***Y147 / 15*** ***352***
Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: 28-0079
Facility Status: Case Closed
Global Id: T0605500072
date9: 10/6/1995

SILVERADO SERVICE CE ***1199 BIG TREE RD*** ***ENE 1/4 - 1/2 (0.416 mi.)*** ***148 / 10*** ***354***
Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: 28-0157
Facility Status: Case Closed
Global Id: T0605500141
date9: 5/20/1996

PG&E SITE ***3101 SILVERADO TRL*** ***ENE 1/4 - 1/2 (0.430 mi.)*** ***Z149 / 11*** ***356***
Database: NAPA CO. LUST, Date of Government Version: 01/09/2017

Status: Closed
Permit ID: 9957

3101 SILVERADO TRAIL 3101 SILVERADO TRL ENE 1/4 - 1/2 (0.430 mi.) Z150 / 11 358
Database: NAPA CO. LUST, Date of Government Version: 01/09/2017
Status: Open
Permit ID: 248533

VINEYARD- 4500 ST. H 4500 ST. HELNA HWY W 1/4 - 1/2 (0.445 mi.) 151 / 4 358
Database: NAPA CO. LUST, Date of Government Version: 01/09/2017
Status: Closed
Permit ID: 248345

ST HELENA POLICE DEP 1480 MAIN ST SE 1/4 - 1/2 (0.455 mi.) 152 / 16 358
Database: LUST REG 2, Date of Government Version: 09/30/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: 28-0210
Facility Status: Case Closed
Global Id: T0605500189
date9: 11/4/2003

CPS-SLIC: Statewide SLIC Cases

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 2 CPS-SLIC sites within approximately 0.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CLOS PEGASE VINEYARD	***1060 DUNAWEAL LN***	***N 1/8 - 1/4 (0.164 mi.)***	***140 / 5***	***325***
Database: SLIC REG 2, Date of Government Version: 09/30/2004 Facility Id: 28S0009				
ABRUZZINI PROPERTY	***1030 FULTON LN***	***ESE 1/4 - 1/2 (0.289 mi.)***	***145 / 14***	***348***
Database: CPS-SLIC, Date of Government Version: 09/09/2019 Facility Status: Completed - Case Closed Global Id: T10000002584				

State and tribal registered storage tank lists

UST: Active UST Facilities

A review of the UST list, as provided by EDR, has revealed that there are 7 UST sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
LOUER, ROGER	3241 EHLER LANE	WSW 0 - 1/8 (0.012 mi.)	97 / 11	234
Database: NAPA CO. UST, Date of Government Version: 09/05/2019 Facility Id: NAPA0611				
BUCKHORN TRAILER PAR	3043 ST HELENA HWY	WSW 0 - 1/8 (0.022 mi.)	I110 / 13	262
Database: NAPA CO. UST, Date of Government Version: 09/05/2019 Facility Id: NAPA0388				
PAT GOLDEN	3291 ST. HELENA HWY	WSW 0 - 1/8 (0.024 mi.)	111 / 10	262
Database: NAPA CO. UST, Date of Government Version: 09/05/2019				

Facility Id: NAPA0636

HEUBLEIN FINE WINE G 3996 ST HELENA HWY NNE 0 - 1/8 (0.026 mi.) Q113 / 6 264
Database: NAPA CO. UST, Date of Government Version: 09/05/2019
Facility Id: NAPA0592

BERINGER VINEYARDS 2000 MAIN ST SW 0 - 1/8 (0.032 mi.) R114 / 13 264
Database: NAPA CO. UST, Date of Government Version: 09/05/2019
Facility Id: NAPA0020

WRIGHT PROPERTY 3703 SAINT HELENA HW NNE 0 - 1/8 (0.055 mi.) Q117 / 6 271
Database: NAPA CO. UST, Date of Government Version: 09/05/2019
Facility Id: NAPA0403

ST. HELENA FOREST FI 3535 SAINT HELENA HW NNE 0 - 1/8 (0.081 mi.) V134 / 10 297
Database: NAPA CO. UST, Date of Government Version: 09/05/2019
Facility Id: NAPA0201

AST: Aboveground Petroleum Storage Tank Facilities

A review of the AST list, as provided by EDR, has revealed that there are 6 AST sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
SILVERADO SERVICE CE Database: AST, Date of Government Version: 07/06/2016	1192 MAPLE LANE	NNE 0 - 1/8 (0.016 mi.)	B106 / 5	257
BEAR FLATS VINEYARD Database: AST, Date of Government Version: 07/06/2016	3690 SAINT HELENA HW	NNE 0 - 1/8 (0.066 mi.)	S120 / 6	275
NORTHERN VINEYARDS S Database: AST, Date of Government Version: 07/06/2016	3690 ST. HELENA HWY.	NNE 0 - 1/8 (0.066 mi.)	S121 / 6	276
TURLEY WINE CELLARS Database: AST, Date of Government Version: 07/06/2016	3358 ST. HELENA HWY	ENE 0 - 1/8 (0.078 mi.)	U125 / 10	283
ST. HELENA CAL FIRE Database: AST, Date of Government Version: 07/06/2016	3535 SAINT HELENA HW	NNE 0 - 1/8 (0.081 mi.)	V131 / 10	291
CDF: ST. HELENA FORE Database: AST, Date of Government Version: 07/06/2016	3535 SAINT HELENA HW	NNE 0 - 1/8 (0.081 mi.)	V136 / 10	298

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: CERS HAZ WASTE

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/21/2019 has revealed that there are 5 CERS HAZ WASTE sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
STERLING VINEYARDS	***1111 DUNAWEAL LN***	***NE 0 - 1/8 (0.014 mi.)***	***A98 / 5***	***235***
MADRIGAL VINEYARDS	***3720 SAINT HELENA HW***	***NNE 0 - 1/8 (0.062 mi.)***	***Q119 / 6***	***273***
BEAR FLATS VINEYARD	***3690 SAINT HELENA HW***	***NNE 0 - 1/8 (0.066 mi.)***	***S122 / 6***	***276***
TURLEY WINE CELLARS	***3358 ST. HELENA HWY***	***ENE 0 - 1/8 (0.078 mi.)***	***U127 / 10***	***285***
CDF: ST. HELENA FORE	***3535 SAINT HELENA HW***	***NNE 0 - 1/8 (0.081 mi.)***	***V132 / 10***	***292***

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 5 SWEEPS UST sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
MONT LASALLE VINEYAR Comp Number: 37585	DEER PK RD & HWY 29	SSW 0 - 1/8 (0.016 mi.)	M105 / 13	257
LINO GUIDICI Status: A Tank Status: A Comp Number: 59648	***999 PRATT AVE***	***ESE 0 - 1/8 (0.020 mi.)***	***109 / 13***	***261***
HEITZ BROS VINEYARDS Status: A Tank Status: A Comp Number: 15895	***4111 HEITZ WAY***	***SSW 0 - 1/8 (0.068 mi.)***	***T123 / 5***	***280***
ST. HELENA FOREST FI Status: A Tank Status: A Comp Number: 23329	3535 N ST HELENA HWY	NNE 0 - 1/8 (0.081 mi.)	V128 / 10	289
FRED A. BERTOLINI Status: A Tank Status: A Comp Number: 40459	1181 YORK LN	NE 0 - 1/8 (0.084 mi.)	W137 / 13	298

HIST UST: Hazardous Substance Storage Container Database

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

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
STERLING VINEYARDS Facility Id: 00000035318	1111 DUNAWEAL LN	NE 0 - 1/8 (0.014 mi.)	A100 / 5	243
GREYSTONE WINERY	DEER PARK ROAD AND H	SSW 0 - 1/8 (0.016 mi.)	M103 / 13	255
GREYSTONE WINERY Facility Id: 00000037585	DEER PARK ROAD & HIG	SSW 0 - 1/8 (0.016 mi.)	M104 / 13	256
LINO GUIDICI Facility Id: 00000059648	***999 PRATT AVE***	***ESE 0 - 1/8 (0.020 mi.)***	***109 / 13***	***261***
BERINGER VINEYARDS Facility Id: 00000001413	2000 MAIN STREET	SW 0 - 1/8 (0.032 mi.)	R115 / 13	267
HEITZ BROS VINEYARDS Facility Id: 00000015895	***4111 HEITZ WAY***	***SSW 0 - 1/8 (0.068 mi.)***	***T123 / 5***	***280***
HEITZ BROS VINEYARDS	4111 HEITZ WAY CALIS	SSW 0 - 1/8 (0.068 mi.)	T124 / 5	282
ST. HELENA FOREST FI Facility Id: 00000023329	3535 SAINT HELENA HW	NNE 0 - 1/8 (0.081 mi.)	V133 / 10	296
ST HELENA FOREST FIR	3535 ST HELENA HWYN	NNE 0 - 1/8 (0.081 mi.)	V135 / 10	297
FRED A BERTOLINI	1181 YORK LANE	NE 0 - 1/8 (0.084 mi.)	W138 / 13	299

Facility Id: 00000040459

CERS TANKS: California Environmental Reporting System (CERS) Tanks

A review of the CERS TANKS list, as provided by EDR, and dated 10/21/2019 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BEAR FLATS VINEYARD	***3690 SAINT HELENA HW***	***NNE 0 - 1/8 (0.066 mi.)***	***S122 / 6***	***276***
CDF: ST. HELENA FORE	***3535 SAINT HELENA HW***	***NNE 0 - 1/8 (0.081 mi.)***	***V132 / 10***	***292***

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/16/2019 has revealed that there are 6 RCRA NonGen / NLR sites within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
STERLING VINEYARDS EPA ID:: CAL000286002	1111 DUNAWEAL LN	NE 0 - 1/8 (0.014 mi.)	A99 / 5	242
CITY OF CALISTOGA WA EPA ID:: CAL000316210	1100 DUNAWEAL LN	WNW 0 - 1/8 (0.024 mi.)	112 / 5	263
MADRIGAL VINEYARD MA EPA ID:: CAL000268179	3718 N. ST. HELENA H	NNE 0 - 1/8 (0.062 mi.)	Q118 / 6	271
TURLEY WINE CELLARS EPA ID:: CAL000245061	3358 ST HELENA HWY	ENE 0 - 1/8 (0.078 mi.)	U126 / 10	283
CALIF DEPT FORESTRY EPA ID:: CAL000062864	3535 SAINT HELENA HW	NNE 0 - 1/8 (0.081 mi.)	V130 / 10	290
SCHRAMSBERG VINEYARD EPA ID:: CAP000195347	1400 SCHRAMSBERG RD	SSW 1/8 - 1/4 (0.171 mi.)	141 / 5	339

Cortese: "Cortese" Hazardous Waste & Substances Sites List

A review of the Cortese list, as provided by EDR, and dated 09/23/2019 has revealed that there is 1 Cortese site within approximately 0.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CALISTOGA CITY DUNAW	***1185 DUNAWEAL LANE***	***WNW 0 - 1/8 (0.113 mi.)***	***139 / 4***	***299***

EXECUTIVE SUMMARY

HIST CORTESE: Hazardous Waste & Substance Site List

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BERINGER VINEYARDS Reg Id: 28-0019	***2000 MAIN ST***	***SW 0 - 1/8 (0.032 mi.)***	***R114 / 13***	***264***
CALTRANS PROPERTY Reg Id: 28-0033	***1684 UNION LN***	***SW 1/4 - 1/2 (0.273 mi.)***	***142 / 10***	***340***
HELEN PASCHICH ESTAT Reg Id: 28-0134	***1078 FULTON LANE***	***SE 1/4 - 1/2 (0.273 mi.)***	***X143 / 14***	***344***
ABRUZZINI PROPERTY Reg Id: 28-0002	***1030 FULTON LN***	***ESE 1/4 - 1/2 (0.289 mi.)***	***145 / 14***	***348***
JAEGER PROPERTY Reg Id: 28-0079	***1665 SPRING MOUNTAIN***	***SSE 1/4 - 1/2 (0.403 mi.)***	***Y147 / 15***	***352***
SILVERADO SERVICE CE Reg Id: 28-0157	***1199 BIG TREE RD***	***ENE 1/4 - 1/2 (0.416 mi.)***	***148 / 10***	***354***
ST HELENA POLICE DEP Reg Id: 28-0210	***1480 MAIN ST***	***SE 1/4 - 1/2 (0.455 mi.)***	***152 / 16***	***358***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
PG AND E ST HELENA	MITCHELL DR AND OAK	SE 1/2 - 1 (0.816 mi.)	AA154 / 16	378

MAPPED SITES SUMMARY

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A1 / 5	STERLING VINEYARDS	1111 DUNAWGAL LANE	SWEEPS UST, HIST UST	TP
A2 / 5	CITY OF CALISTOGA	DUNAWEAL LANE	FINDS	TP
A3 / 5	CITY OF CALISTOGA	DUNAWEAL LANE	EMI, CERS	TP
B4 / 5	A & P AG STRUCTURES,	4102 ST. HELENA HWY.	HAZNET	TP
B5 / 5	PATRICK FLYNN	4102 ST HELENA HWY	LUST	TP
C6 / 5	1X HEUBLEIN FINE WIN	3996 ST HELENA HWY	HAZNET	TP
C7 / 5	NAPA COUNTY - DEPART	3996 N ST HELENA HWY	FINDS, ECHO	TP
C8 / 5	CALISTOGA RANCH	3996 SAINT HELENA HW	HIST UST	TP
C9 / 5	CALISTOGA BARN	3996 SAINT HELENA HW	CERS HAZ WASTE, CERS	TP
C10 / 5	T AND M AGRICULTURAL	3996 SAINT HELENA HW	FINDS, ECHO	TP
C11 / 5	CALISTOGA RANCH (BV	3996 SAINT HELENA HW	AST	TP
C12 / 5	CALISTOGA RANCH	3996 SAINT HELENA HW	FINDS	TP
C13 / 5	CALISTOGA RANCH	3996 ST HELENA HWY N	HIST UST	TP
C14 / 5	CALISTOGA RANCH (BV	3996 SAINT HELENA HW	CERS TANKS, CERS	TP
C15 / 5	NAPA COUNTY - DEPART	3996 N ST HELENA HWY	RCRA NonGen / NLR	TP
C16 / 5	T AND M AGRICULTURAL	3996 SAINT HELENA HW	RCRA NonGen / NLR	TP
D17 / 6	DPR - BUTHE NAPA	3801 SAINT HELENA HW	HAZNET	TP
D18 / 6	CA STATE DEPT. OF PA	3801 ST HELENA HWY,	FINDS, ECHO	TP
D19 / 6	CA STATE DEPT. OF PA	3801 ST HELENA HWY,	RCRA NonGen / NLR	TP
D20 / 6	ROBT. LOUIS STEVENSO	3801 SAINT HELENA HW	UST	TP
E21 / 10	COLLINS FAMILY VINEY	3486 SAINT HELENA HW	CERS	TP
E22 / 10	COLLINS VINEYARD	3486 N ST HELENA HWY	HIST UST	TP
E23 / 10	COLLINS, W.D.	3486 SAINT HELENA HW	FINDS	TP
E24 / 10	COLLINS FAMILY VINEY	3486 SAINT HELENA HW	AST	TP
E25 / 10	COLLINS VINEYARD	3486 N ST HELENA HWY	SWEEPS UST	TP
E26 / 10	AIDA VINEYARD	3480 ST. HELENA HWY	FINDS	TP
E27 / 10	AIDA VINEYARD	3480 ST. HELENA HWY	CERS	TP
F28 / 10	PRIEST RANCH REFUSE	3460 128 HWY	FINDS	TP
F29 / 10	PRIEST RANCH REFUSE	3460 128 HWY	CERS	TP
30 / 10	SCHOENSTEIN VINEYARD	3414 SAINT HELENA HW	HAZNET	TP
31 / 11	ALLORA VINEYARDS	3244 EHLERS LN	FINDS	TP
G32 / 11	EHLERS ESTATE	3222 EHLERS LN	FINDS, ECHO	TP
G33 / 11	LAURA DIAZ MUNOZ	3222 EHLERS LANE	NPDES, PEST LIC, CIWQS, CERS	TP
G34 / 11	EHLERS ESTATE WINERY	3222 EHLERS LN	CIWQS	TP
G35 / 11	EHLERS ESTATE	3222 EHLERS LANE	CERS	TP
H36 / 13	TRINCHERO WINERY	3070 SAINT HELENA HW	FINDS	TP
H37 / 13	TRINCHERO WINERY	3070 SAINT HELENA HW	CERS	TP
I38 / 13	MONITORING STATION	3022 ST HELENA HWY	FINDS	TP
I39 / 13	MONITORING STATION	3022 ST HELENA HWY	CERS	TP

MAPPED SITES SUMMARY

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
I40 / 13	FREEMARK ABBEY WINER	3022 SAINT HELENA HW	FINDS	TP
I41 / 13	FREEMARK ABBEY WINER	3022 ST. HELENA HIGH	CERS	TP
I42 / 13	FREEMARK ABBEY WINER	3022 SAINT HELENA HW	WDS	TP
I43 / 13	FREEMARK ABBEY WINER	3022 ST. HELENA HWY	CIWQS	TP
I44 / 13	FREEMARK ABBY WINERY	3022 SAINT HELENA HW	HAZNET	TP
J45 / 13	REVANA FAMILY VINEYA	2930 ST. HELENA HWY	CERS	TP
J46 / 13	REVANA FAMILY PARTNE	2930 ST HELENA HWY N	NPDES, CIWQS, CERS	TP
J47 / 13	REVANA FAMILY WINERY	2930 ST HELENA N HWY	CERS	TP
J48 / 13	REVANA FAMILY PARTNE	2930 ST HELENA HWY N	FINDS, ECHO	TP
J49 / 13	REVANA FAMILY WINERY	2930 ST HELENA N HWY	FINDS	TP
K50 / 13	ST. CLEMENT VINEYARD		CERS	TP
K51 / 13	ST. CLEMENT VINEYARD		CIWQS	TP
L52 / 13	C MONDAVI & SONS	2800 ST HELENA HIGHW	HAZNET	TP
L53 / 13	C. MONDAVI & SONS	2800 ST HELENA HWY	HAZNET	TP
L54 / 13	CWMS WWTP (AT MARKHA	2812 ST HELENA HWY N	FINDS	TP
L55 / 13	MARKHAM VINEYARDS	2812 SAINT HELENA HW	CERS HAZ WASTE, WDS, CERS	TP
L56 / 13	MARKHAM VINEYARDS (W	2812 ST HELENA HWY	FINDS, ECHO	TP
L57 / 13	MARKHAM VINEYARDS	2812 SAINT HELENA HW	RCRA NonGen / NLR	TP
L58 / 13		2812 ST. HELENA HWY	CHMIRS	TP
L59 / 13	MARKHAM VINEYARDS	2812 ST HELENA HWY N	NPDES, CIWQS, CERS	TP
L60 / 13		2812 ST. HELENA HIGH	CHMIRS	TP
M61 / 13	KRUG RANCH	2800 ST HELENA HWY N	FINDS	TP
M62 / 13	KRUG RANCH	2800 ST HELENA HWY N	CERS	TP
M63 / 13	C. MONDAVI & FAMILY	2800 SAINT HELENA HW	HAZNET	TP
64 / 13	CHARLES KRUG WINERY	2800 ST HELENA HWY	CERS HAZ WASTE, SWEEPS UST, CERS	TP
65 / 13		2800 ST HELENA HIGHW	CHMIRS	TP
N66 / 13	C. MONDAVI & FAMILY	2800 MAIN ST.	HAZNET	TP
N67 / 13		2800 MAIN ST.	CHMIRS	TP
N68 / 13	CHARLES KRUG WINERY	2800 MAIN ST	HAZNET	TP
N69 / 13		2800 MAIN STREET	ERNS	TP
N70 / 13		2800 MAIN STREET	ERNS	TP
N71 / 13		2800 MAIN STREET	ERNS	TP
N72 / 13	CHARLES KRUG WINERY	2800 MAIN ST	NPDES, CERS	TP
N73 / 13		2800 MAIN STREET	CHMIRS	TP
N74 / 13		CHARLES KRUG WINERY	CHMIRS	TP
N75 / 13	CHARLES KRUG WINERY	2800 MAIN STREET	FINDS, ECHO	TP
N76 / 13	CHARLES KRUG WINERY	2800 MAIN ST	CIWQS	TP
N77 / 13	CHARLES KRUG WINERY	2800 MAIN ST	HIST UST, EMI, WDS, CERS	TP
O78 / 13		1000 PRATT AVE	ERNS	TP

MAPPED SITES SUMMARY

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

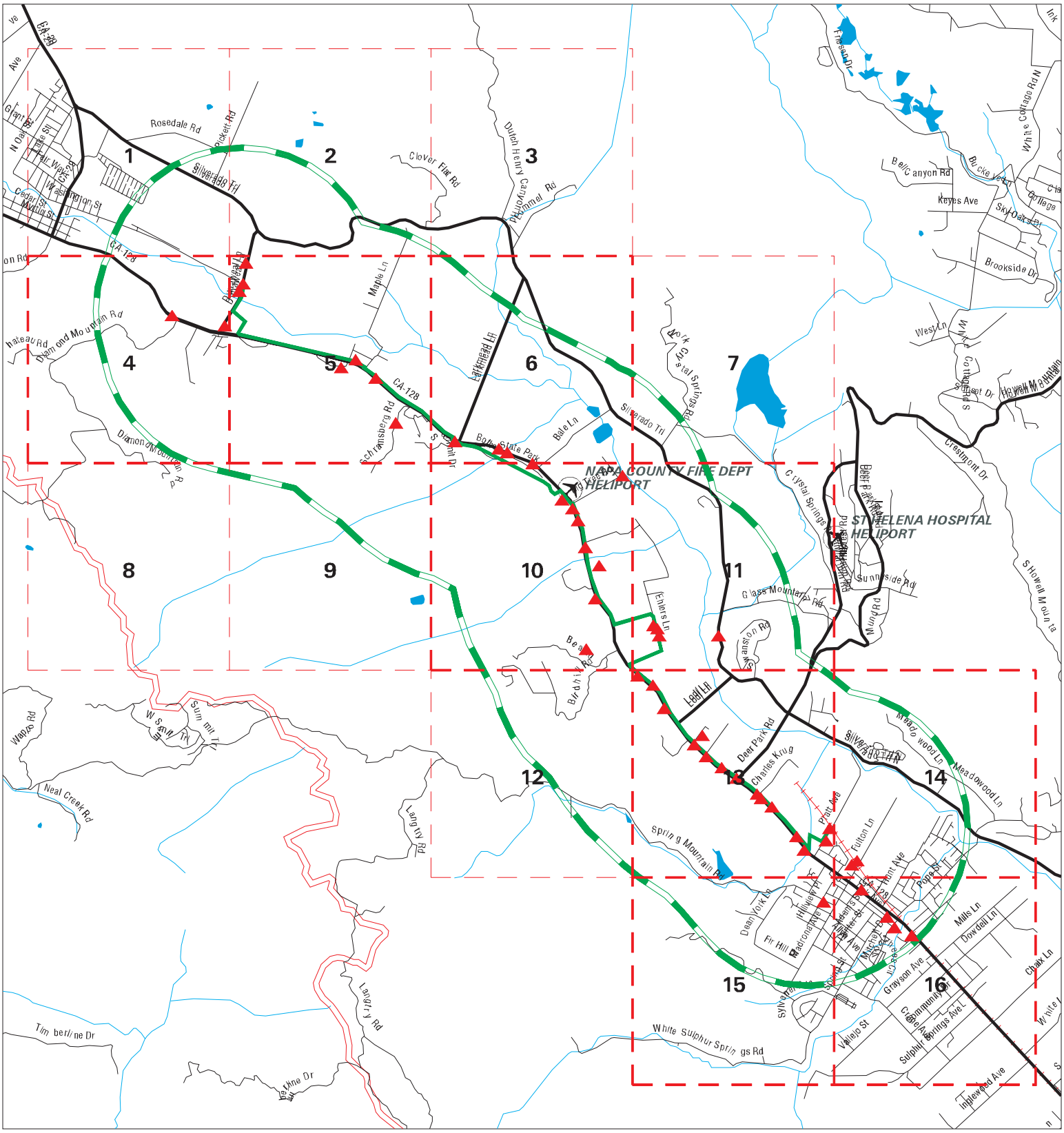
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
O79 / 13	BERINGER VINEYARDS	1000 PRATT AVENUE	EMI, CERS	TP		
O80 / 13	ST. HELENA VINEYARD	1000 PRATT AVE	CERS HAZ WASTE, CERS	TP		
O81 / 13		1000 PRATT AVE	ERNS	TP		
O82 / 13		1000 PRATT AVE	ERNS	TP		
O83 / 13		1000 PRATT AVE	CHMIRS	TP		
O84 / 13	BERINGER - ICON III	1000 PRATT AVENUE	LUST, CHMIRS, HAZNET, NPDES, CIWQS	TP		
O85 / 13		1000 PRATT AVE.	CHMIRS	TP		
O86 / 13		1000 PRATTE AVENUE	CHMIRS	TP		
O87 / 13	BERINGER VINEYARDS	1000 PRATT AVE	HIST FTTS	TP		
O88 / 13	BERINGER VINEYARDS	1000 PRATT AVE	FTTS	TP		
O89 / 13	BERINGER VINEYARDS	1000 PRATT AVENUE	FINDS, ECHO	TP		
O90 / 13	BERINGER VINEYARDS	1000 PRATT AVE	HIST FTTS, WDS	TP		
O91 / 13	BERINGER VINEYARDS	1000 PRATT AVE	FTTS	TP		
O92 / 13	BERINGER VINEYARDS	1000 PRATT AVE	RCRA NonGen / NLR	TP		
O93 / 13		1000 PRATT AVENUE	ERNS	TP		
O94 / 13	BERINGER VINEYARDS	1000 PRATT AVENUE	RMP	TP		
P95 / 13	BERINGER WINERY- YOR		CERS	TP		
P96 / 13	BERINGER WINERY- YOR		CIWQS	TP		
97 / 11	LOUER, ROGER	3241 EHLER LANE	UST	64	0.012	WSW
A98 / 5	STERLING VINEYARDS	1111 DUNAWEAL LN	CERS HAZ WASTE, HAZNET, CERS	73	0.014	NE
A99 / 5	STERLING VINEYARDS	1111 DUNAWEAL LN	RCRA NonGen / NLR	73	0.014	NE
A100 / 5	STERLING VINEYARDS	1111 DUNAWEAL LN	HIST UST	73	0.014	NE
A101 / 5	STERLING VINEYARDS	1111 DUNAWEAL LANE	RCRA-SQG, FINDS, ECHO	73	0.014	NE
E102 / 10	GIN PROPERTY	3473 ST HELENA HWY	LUST, NPDES, CIWQS, CERS	79	0.015	WSW
M103 / 13	GREYSTONE WINERY	DEER PARK ROAD AND H	HIST UST	85	0.016	SSW
M104 / 13	GREYSTONE WINERY	DEER PARK ROAD & HIG	HIST UST	85	0.016	SSW
M105 / 13	MONT LASALLE VINEYAR	DEER PK RD & HWY 29	SWEEPS UST	85	0.016	SSW
B106 / 5	SILVERADO SERVICE CE	1192 MAPLE LANE	AST	86	0.016	NNE
B107 / 5	PG AND E SILVERADO S	1192 MAPLE LN	RCRA-SQG, FINDS, ECHO	86	0.016	NNE
108 / 13	CAIRDEAN VINEYARDS L	3125 ST HELENA HIGHW	RCRA-SQG	101	0.019	SW
109 / 13	LINO GUIDICI	999 PRATT AVE	SWEEPS UST, HIST UST	107	0.020	ESE
I110 / 13	BUCKHORN TRAILER PAR	3043 ST HELENA HWY	UST	118	0.022	WSW
111 / 10	PAT GOLDEN	3291 ST. HELENA HWY	UST	125	0.024	WSW
112 / 5	CITY OF CALISTOGA WA	1100 DUNAWEAL LN	RCRA NonGen / NLR	126	0.024	WNW
Q113 / 6	HEUBLEIN FINE WINE G	3996 ST HELENA HWY	UST	136	0.026	NNE
R114 / 13	BERINGER VINEYARDS	2000 MAIN ST	LUST, UST, HIST CORTESE, CERS	168	0.032	SW
R115 / 13	BERINGER VINEYARDS	2000 MAIN STREET	HIST UST	168	0.032	SW
116 / 10	CDF ST HELENA FOREST	3535 HWY 29 N	LUST, CERS	185	0.035	SW
Q117 / 6	WRIGHT PROPERTY	3703 SAINT HELENA HW	UST	290	0.055	NNE

MAPPED SITES SUMMARY

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
Q118 / 6	MADRIGAL VINEYARD MA	3718 N. ST. HELENA H	RCRA NonGen / NLR	326	0.062	NNE
Q119 / 6	MADRIGAL VINEYARDS	3720 SAINT HELENA HW	CERS HAZ WASTE, CERS	326	0.062	NNE
S120 / 6	BEAR FLATS VINEYARD	3690 SAINT HELENA HW	AST	351	0.066	NNE
S121 / 6	NORTHERN VINEYARDS S	3690 ST. HELENA HWY.	AST	351	0.066	NNE
S122 / 6	BEAR FLATS VINEYARD	3690 SAINT HELENA HW	CERS HAZ WASTE, CERS TANKS, CERS	351	0.066	NNE
T123 / 5	HEITZ BROS VINEYARDS	4111 HEITZ WAY	SWEEPS UST, HIST UST	358	0.068	SSW
T124 / 5	HEITZ BROS VINEYARDS	4111 HEITZ WAY CALIS	HIST UST	358	0.068	SSW
U125 / 10	TURLEY WINE CELLARS	3358 ST. HELENA HWY	AST	412	0.078	ENE
U126 / 10	TURLEY WINE CELLARS	3358 ST HELENA HWY	RCRA NonGen / NLR	412	0.078	ENE
U127 / 10	TURLEY WINE CELLARS	3358 ST. HELENA HWY	CERS HAZ WASTE, CERS	412	0.078	ENE
V128 / 10	ST. HELENA FOREST FI	3535 N ST HELENA HWY	SWEEPS UST	426	0.081	NNE
V129 / 10	ST HELENA FOREST FIR	3535 ST. HELENA HWY	LUST	426	0.081	NNE
V130 / 10	CALIF DEPT FORESTRY	3535 SAINT HELENA HW	RCRA NonGen / NLR	426	0.081	NNE
V131 / 10	ST. HELENA CAL FIRE	3535 SAINT HELENA HW	AST	426	0.081	NNE
V132 / 10	CDF: ST. HELENA FORE	3535 SAINT HELENA HW	CERS HAZ WASTE, CERS TANKS, CERS	426	0.081	NNE
V133 / 10	ST. HELENA FOREST FI	3535 SAINT HELENA HW	HIST UST	426	0.081	NNE
V134 / 10	ST. HELENA FOREST FI	3535 SAINT HELENA HW	UST	426	0.081	NNE
V135 / 10	ST HELENA FOREST FIR	3535 ST HELENA HWYN	HIST UST	426	0.081	NNE
V136 / 10	CDF: ST. HELENA FORE	3535 SAINT HELENA HW	AST	426	0.081	NNE
W137 / 13	FRED A. BERTOLINI	1181 YORK LN	SWEEPS UST	443	0.084	NE
W138 / 13	FRED A BERTOLINI	1181 YORK LANE	HIST UST	443	0.084	NE
139 / 4	CALISTOGA CITY DUNAW	1185 DUNAWEAL LANE	Cortese, ENF	597	0.113	WNW
140 / 5	CLOS PEGASE VINEYARD	1060 DUNAWEAL LN	CPS-SLIC, NPDES, WDS, CIWQS, CERS	864	0.164	North
141 / 5	SCHRAMSBERG VINEYARD	1400 SCHRAMSBERG RD	RCRA NonGen / NLR	902	0.171	SSW
142 / 10	CALTRANS PROPERTY	1684 UNION LN	LUST, UST, SWEEPS UST, HIST UST, HIST CO...	1439	0.273	SW
X143 / 14	HELEN PASCHICH ESTAT	1078 FULTON LANE	LUST, UST, HIST UST, HIST CORTESE	1444	0.273	SE
X144 / 14	PRIVATE RESIDENCE	PRIVATE RESIDENCE	LUST, CERS	1448	0.274	SE
145 / 14	ABRUZZINI PROPERTY	1030 FULTON LN	LUST, CPS-SLIC, HIST CORTESE, CERS	1527	0.289	ESE
Y146 / 15	JAEGER, WILLIAM AND	1665 SPRING MOUNTAIN	LUST, SWEEPS UST	2126	0.403	SSE
Y147 / 15	JAEGER PROPERTY	1665 SPRING MOUNTAIN	LUST, HIST CORTESE, CERS	2126	0.403	SSE
148 / 10	SILVERADO SERVICE CE	1199 BIG TREE RD	LUST, HIST CORTESE, CERS	2195	0.416	ENE
Z149 / 11	PG&E SITE	3101 SILVERADO TRL	LUST, CHMIRS	2270	0.430	ENE
Z150 / 11	3101 SILVERADO TRAIL	3101 SILVERADO TRL	LUST	2270	0.430	ENE
151 / 4	VINEYARD- 4500 ST. H	4500 ST. HELNA HWY	LUST	2352	0.445	West
152 / 16	ST HELENA POLICE DEP	1480 MAIN ST	LUST, ENF, HIST CORTESE, CIWQS, CERS	2401	0.455	SE
153 / 16	KLASS CLEANERS	1141 MAIN ST	ENVIROSTOR, VCP, CERS HAZ WASTE, HAZNET,.	3833	0.726	SE
AA154 / 16	PG AND E ST HELENA	MITCHELL DR AND OAK	EDR MGP	4307	0.816	SE
AA155 / 16	PG&E ST. HELENA	1301-1302 MITCHELL D	ENVIROSTOR, VCP, DEED	4330	0.820	SE
156 / 16	ST HELENA PETROLEUM	905 MAIN ST	ENVIROSTOR, LUST, HIST CORTESE, CERS	4997	0.946	SE

Key Map - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/2 1 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20 10:16 AM

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		3	0	NR	NR	NR	3
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP	7	NR	NR	NR	NR	NR	7
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	3	NR	3
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	2	4	0	11	NR	NR	17

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	1	1	NR	NR	2
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	7	0	NR	NR	NR	8
AST	0.250	2	6	0	NR	NR	NR	8
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250	4	5	0	NR	NR	NR	9
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250	3	5	0	NR	NR	NR	8
HIST UST	0.250	5	10	0	NR	NR	NR	15
CERS TANKS	0.250	1	2	0	NR	NR	NR	3
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP	10	NR	NR	NR	NR	NR	10
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	5	5	1	NR	NR	NR	11
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP	2	NR	NR	NR	NR	NR	2
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP	2	NR	NR	NR	NR	NR	2
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	20	NR	NR	NR	NR	NR	20
ECHO	TP	8	NR	NR	NR	NR	NR	8
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	0	0	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP	3	NR	NR	NR	NR	NR	3
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	11	NR	NR	NR	NR	NR	11
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	0	6	NR	NR	7
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	5	NR	NR	NR	NR	NR	5
PEST LIC	TP	1	NR	NR	NR	NR	NR	1
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP	4	NR	NR	NR	NR	NR	4
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	9	NR	NR	NR	NR	NR	9
CERS	TP	24	NR	NR	NR	NR	NR	24
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		130	49	2	18	4	0	203

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 5947391.5s

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 2 - 5947391.5s

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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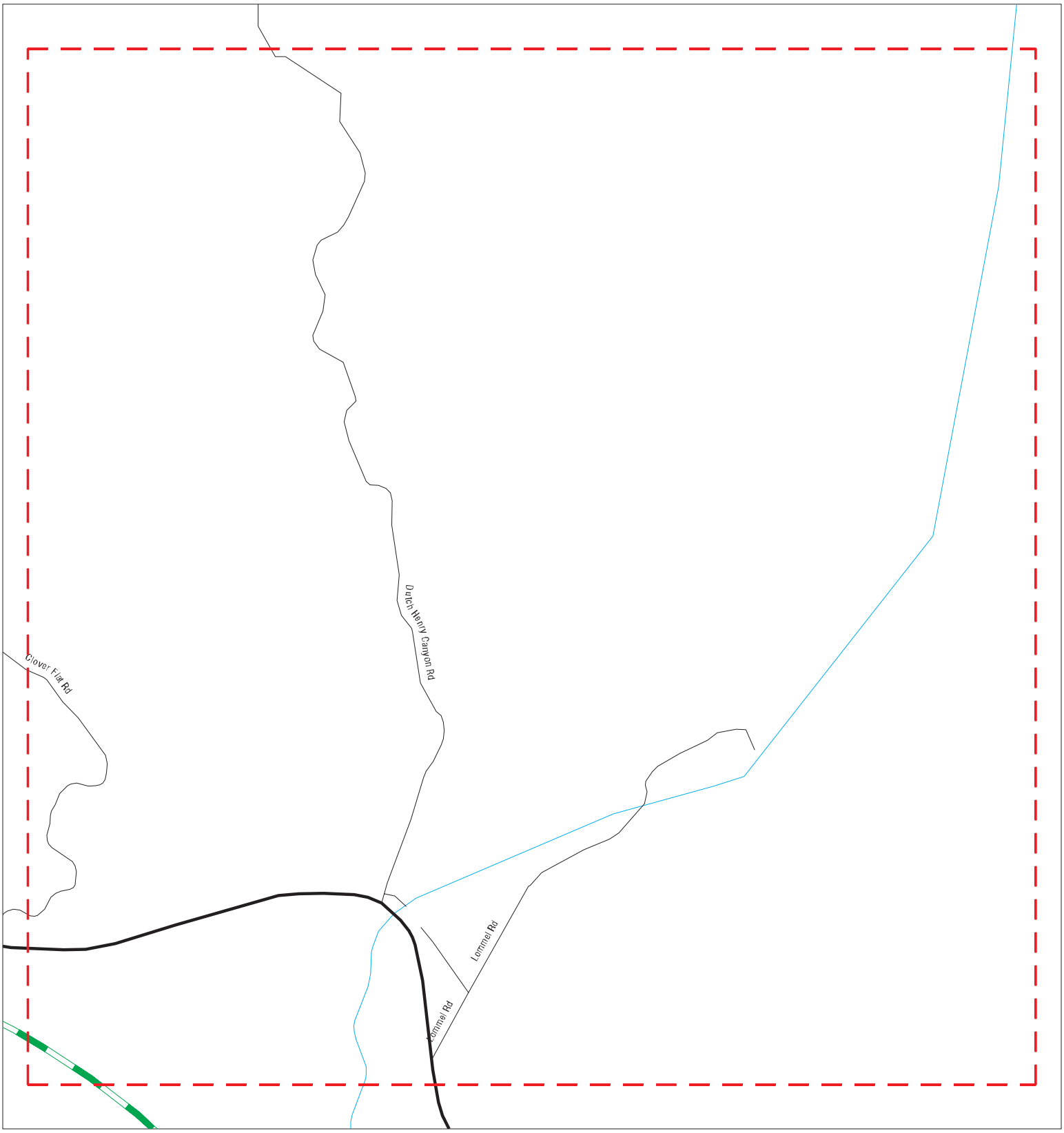
MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 3 - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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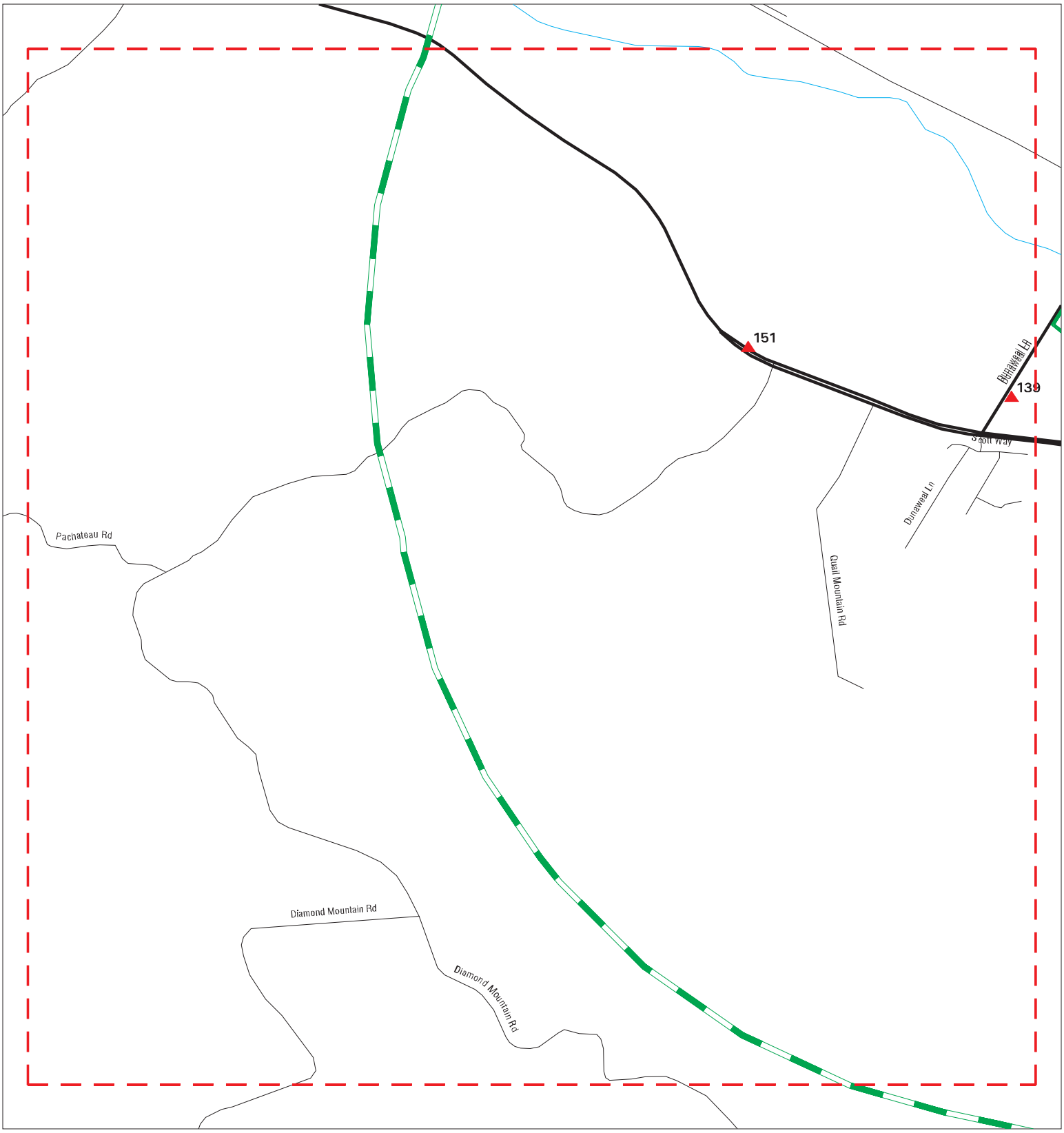
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 4 - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
139 / 4	CALISTOGA CITY DUNAW	1185 DUNAWEAL LANE	Cortese, ENF	597 0.113 WNW
151 / 4	VINEYARD- 4500 ST. H	4500 ST. HELNA HWY	LUST	2352 0.445 West

Focus Map - 5 - 5947391.5s

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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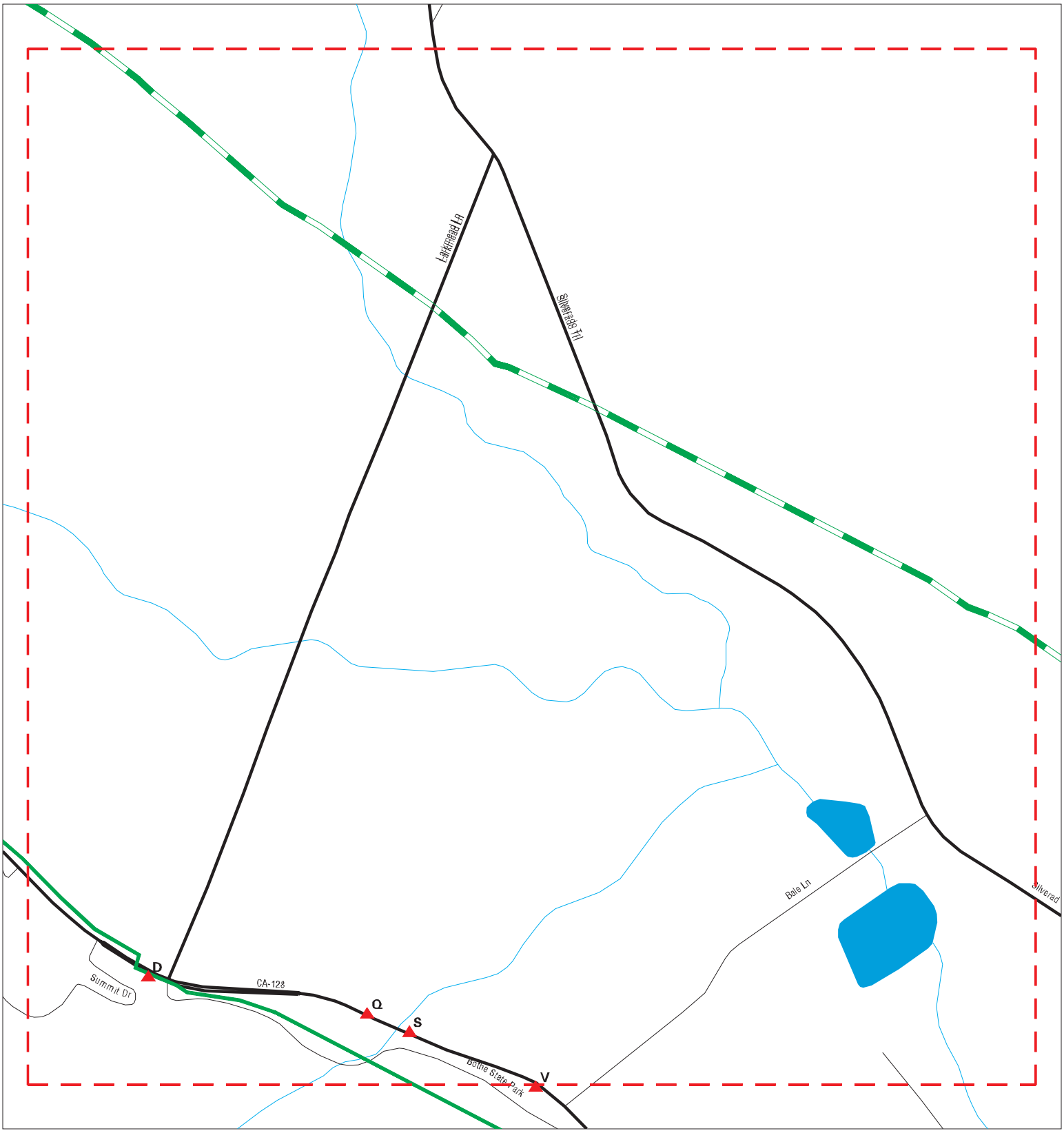
MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
A1 / 5	STERLING VINEYARDS	1111 DUNAWGAL LANE	SWEEPS UST, HIST UST	TP		
A2 / 5	CITY OF CALISTOGA	DUNAWEAL LANE	FINDS	TP		
A3 / 5	CITY OF CALISTOGA	DUNAWEAL LANE	EMI, CERS	TP		
B4 / 5	A & P AG STRUCTURES,	4102 ST. HELENA HWY.	HAZNET	TP		
B5 / 5	PATRICK FLYNN	4102 ST HELENA HWY	LUST	TP		
C6 / 5	1X HEUBLEIN FINE WIN	3996 ST HELENA HWY	HAZNET	TP		
C7 / 5	NAPA COUNTY - DEPART	3996 N ST HELENA HWY	FINDS, ECHO	TP		
C8 / 5	CALISTOGA RANCH	3996 SAINT HELENA HW	HIST UST	TP		
C9 / 5	CALISTOGA BARN	3996 SAINT HELENA HW	CERS HAZ WASTE, CERS	TP		
C10 / 5	T AND M AGRICULTURAL	3996 SAINT HELENA HW	FINDS, ECHO	TP		
C11 / 5	CALISTOGA RANCH (BV	3996 SAINT HELENA HW	AST	TP		
C12 / 5	CALISTOGA RANCH	3996 SAINT HELENA HW	FINDS	TP		
C13 / 5	CALISTOGA RANCH	3996 ST HELENA HWY N	HIST UST	TP		
C14 / 5	CALISTOGA RANCH (BV	3996 SAINT HELENA HW	CERS TANKS, CERS	TP		
C15 / 5	NAPA COUNTY - DEPART	3996 N ST HELENA HWY	RCRA NonGen / NLR	TP		
C16 / 5	T AND M AGRICULTURAL	3996 SAINT HELENA HW	RCRA NonGen / NLR	TP		
A98 / 5	STERLING VINEYARDS	1111 DUNAWEAL LN	CERS HAZ WASTE, HAZNET, CERS	73	0.014	NE
A99 / 5	STERLING VINEYARDS	1111 DUNAWEAL LN	RCRA NonGen / NLR	73	0.014	NE
A100 / 5	STERLING VINEYARDS	1111 DUNAWEAL LN	HIST UST	73	0.014	NE
A101 / 5	STERLING VINEYARDS	1111 DUNAWEAL LANE	RCRA-SQG, FINDS, ECHO	73	0.014	NE
B106 / 5	SILVERADO SERVICE CE	1192 MAPLE LANE	AST	86	0.016	NNE
B107 / 5	PG AND E SILVERADO S	1192 MAPLE LN	RCRA-SQG, FINDS, ECHO	86	0.016	NNE
112 / 5	CITY OF CALISTOGA WA	1100 DUNAWEAL LN	RCRA NonGen / NLR	126	0.024	WNW
T123 / 5	HEITZ BROS VINEYARDS	4111 HEITZ WAY	SWEEPS UST, HIST UST	358	0.068	SSW
T124 / 5	HEITZ BROS VINEYARDS	4111 HEITZ WAY CALIS	HIST UST	358	0.068	SSW
140 / 5	CLOS PEGASE VINEYARD	1060 DUNAWEAL LN	CPS-SLIC, NPDES, WDS, CIWQS, CERS	864	0.164	North
141 / 5	SCHRAMSBERG VINEYARD	1400 SCHRAMSBERG RD	RCRA NonGen / NLR	902	0.171	SSW

Focus Map - 6 - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
D17 / 6	DPR - BUTHE NAPA	3801 SAINT HELENA HW	HAZNET	TP		
D18 / 6	CA STATE DEPT. OF PA	3801 ST HELENA HWY,	FINDS, ECHO	TP		
D19 / 6	CA STATE DEPT. OF PA	3801 ST HELENA HWY,	RCRA NonGen / NLR	TP		
D20 / 6	ROBT. LOUIS STEVENSO	3801 SAINT HELENA HW	UST	TP		
Q113 / 6	HEUBLEIN FINE WINE G	3996 ST HELENA HWY	UST	136	0.026	NNE
Q117 / 6	WRIGHT PROPERTY	3703 SAINT HELENA HW	UST	290	0.055	NNE
Q118 / 6	MADRIGAL VINEYARD MA	3718 N. ST. HELENA H	RCRA NonGen / NLR	326	0.062	NNE
Q119 / 6	MADRIGAL VINEYARDS	3720 SAINT HELENA HW	CERS HAZ WASTE, CERS	326	0.062	NNE
S120 / 6	BEAR FLATS VINEYARD	3690 SAINT HELENA HW	AST	351	0.066	NNE
S121 / 6	NORTHERN VINEYARDS S	3690 ST. HELENA HWY.	AST	351	0.066	NNE
S122 / 6	BEAR FLATS VINEYARD	3690 SAINT HELENA HW	CERS HAZ WASTE, CERS TANKS, CERS	351	0.066	NNE

Focus Map - 7 - 5947391.5s

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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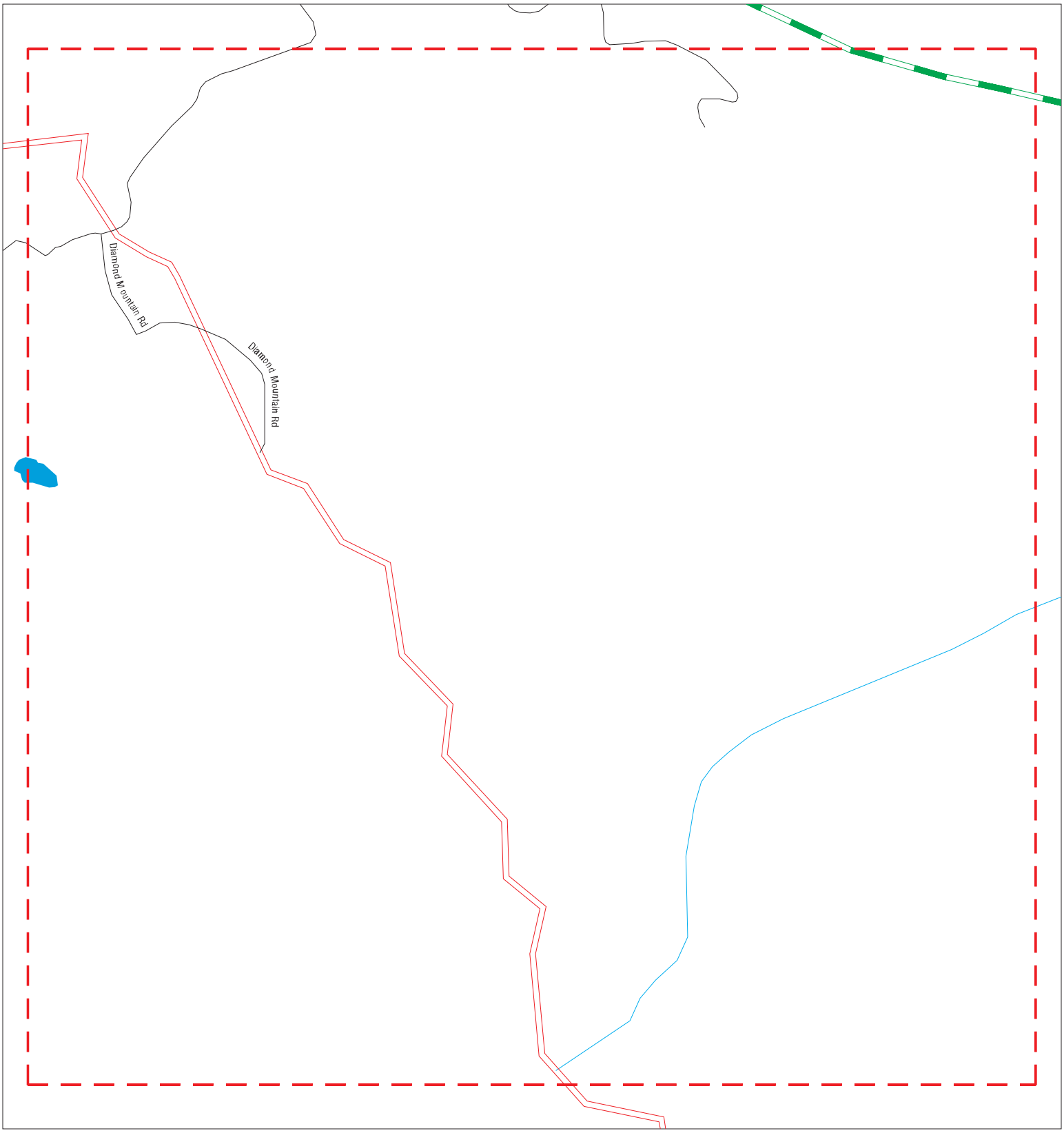
MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 8 - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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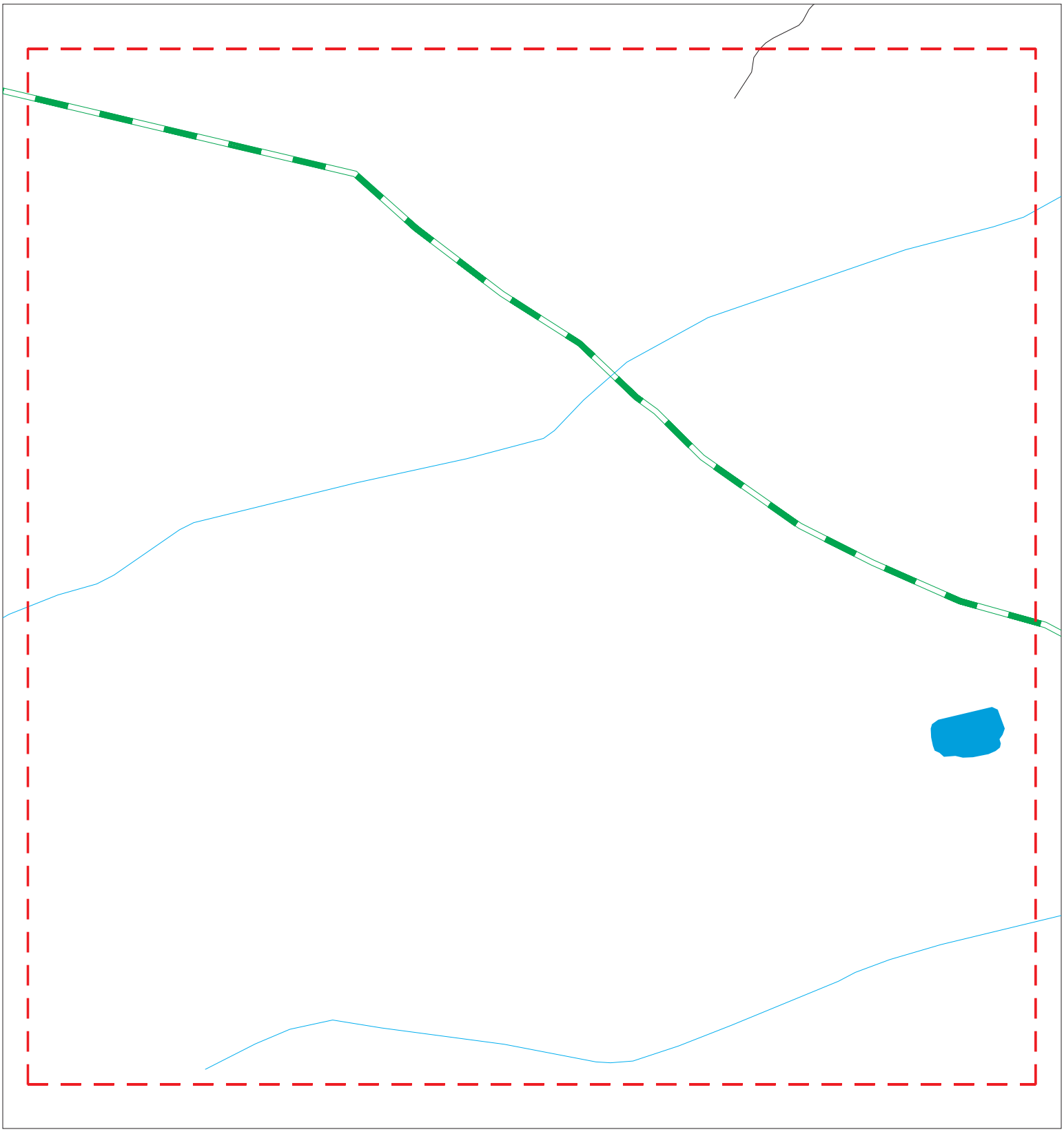
MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 9 - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 10 - 5947391.5s

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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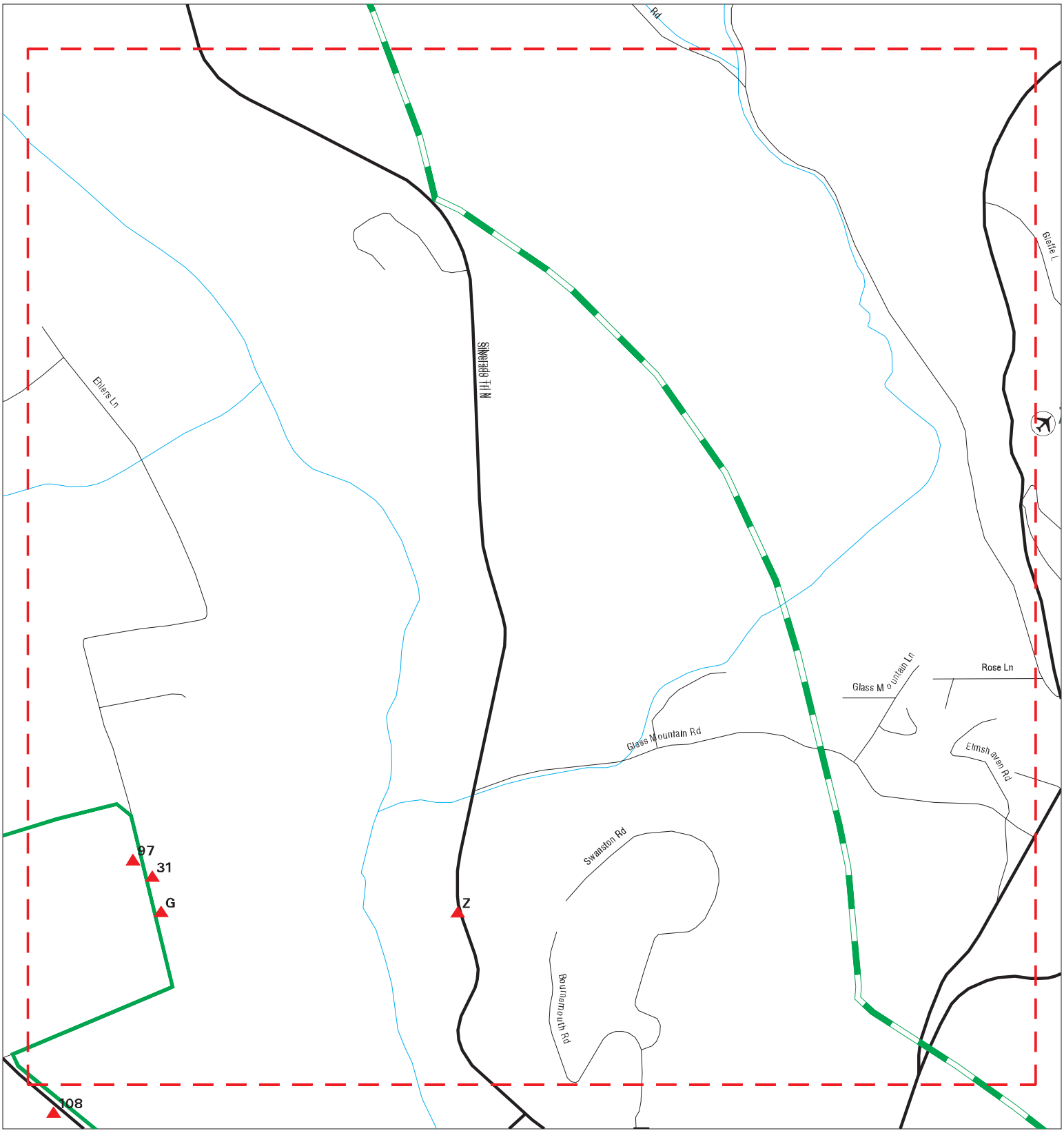
MAPPED SITES SUMMARY - FOCUS MAP 10

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
E21 / 10	COLLINS FAMILY VINEY	3486 SAINT HELENA HW	CERS	TP		
E22 / 10	COLLINS VINEYARD	3486 N ST HELENA HWY	HIST UST	TP		
E23 / 10	COLLINS, W.D.	3486 SAINT HELENA HW	FINDS	TP		
E24 / 10	COLLINS FAMILY VINEY	3486 SAINT HELENA HW	AST	TP		
E25 / 10	COLLINS VINEYARD	3486 N ST HELENA HWY	SWEEPS UST	TP		
E26 / 10	AIDA VINEYARD	3480 ST. HELENA HWY	FINDS	TP		
E27 / 10	AIDA VINEYARD	3480 ST. HELENA HWY	CERS	TP		
F28 / 10	PRIEST RANCH REFUSE	3460 128 HWY	FINDS	TP		
F29 / 10	PRIEST RANCH REFUSE	3460 128 HWY	CERS	TP		
30 / 10	SCHOENSTEIN VINEYARD	3414 SAINT HELENA HW	HAZNET	TP		
E102 / 10	GIN PROPERTY	3473 ST HELENA HWY	LUST, NPDES, CIWQS, CERS	79	0.015	WSW
111 / 10	PAT GOLDEN	3291 ST. HELENA HWY	UST	125	0.024	WSW
116 / 10	CDF ST HELENA FOREST	3535 HWY 29 N	LUST, CERS	185	0.035	SW
U125 / 10	TURLEY WINE CELLARS	3358 ST. HELENA HWY	AST	412	0.078	ENE
U126 / 10	TURLEY WINE CELLARS	3358 ST HELENA HWY	RCRA NonGen / NLR	412	0.078	ENE
U127 / 10	TURLEY WINE CELLARS	3358 ST. HELENA HWY	CERS HAZ WASTE, CERS	412	0.078	ENE
V128 / 10	ST. HELENA FOREST FI	3535 N ST HELENA HWY	SWEEPS UST	426	0.081	NNE
V129 / 10	ST HELENA FOREST FIR	3535 ST. HELENA HWY	LUST	426	0.081	NNE
V130 / 10	CALIF DEPT FORESTRY	3535 SAINT HELENA HW	RCRA NonGen / NLR	426	0.081	NNE
V131 / 10	ST. HELENA CAL FIRE	3535 SAINT HELENA HW	AST	426	0.081	NNE
V132 / 10	CDF: ST. HELENA FORE	3535 SAINT HELENA HW	CERS HAZ WASTE, CERS TANKS, CERS	426	0.081	NNE
V133 / 10	ST. HELENA FOREST FI	3535 SAINT HELENA HW	HIST UST	426	0.081	NNE
V134 / 10	ST. HELENA FOREST FI	3535 SAINT HELENA HW	UST	426	0.081	NNE
V135 / 10	ST HELENA FOREST FIR	3535 ST HELENA HWYN	HIST UST	426	0.081	NNE
V136 / 10	CDF: ST. HELENA FORE	3535 SAINT HELENA HW	AST	426	0.081	NNE
142 / 10	CALTRANS PROPERTY	1684 UNION LN	LUST, UST, SWEEPS UST, HIST UST, HIST CO...	1439	0.273	SW
148 / 10	SILVERADO SERVICE CE	1199 BIG TREE RD	LUST, HIST CORTESE, CERS	2195	0.416	ENE

Focus Map - 11 - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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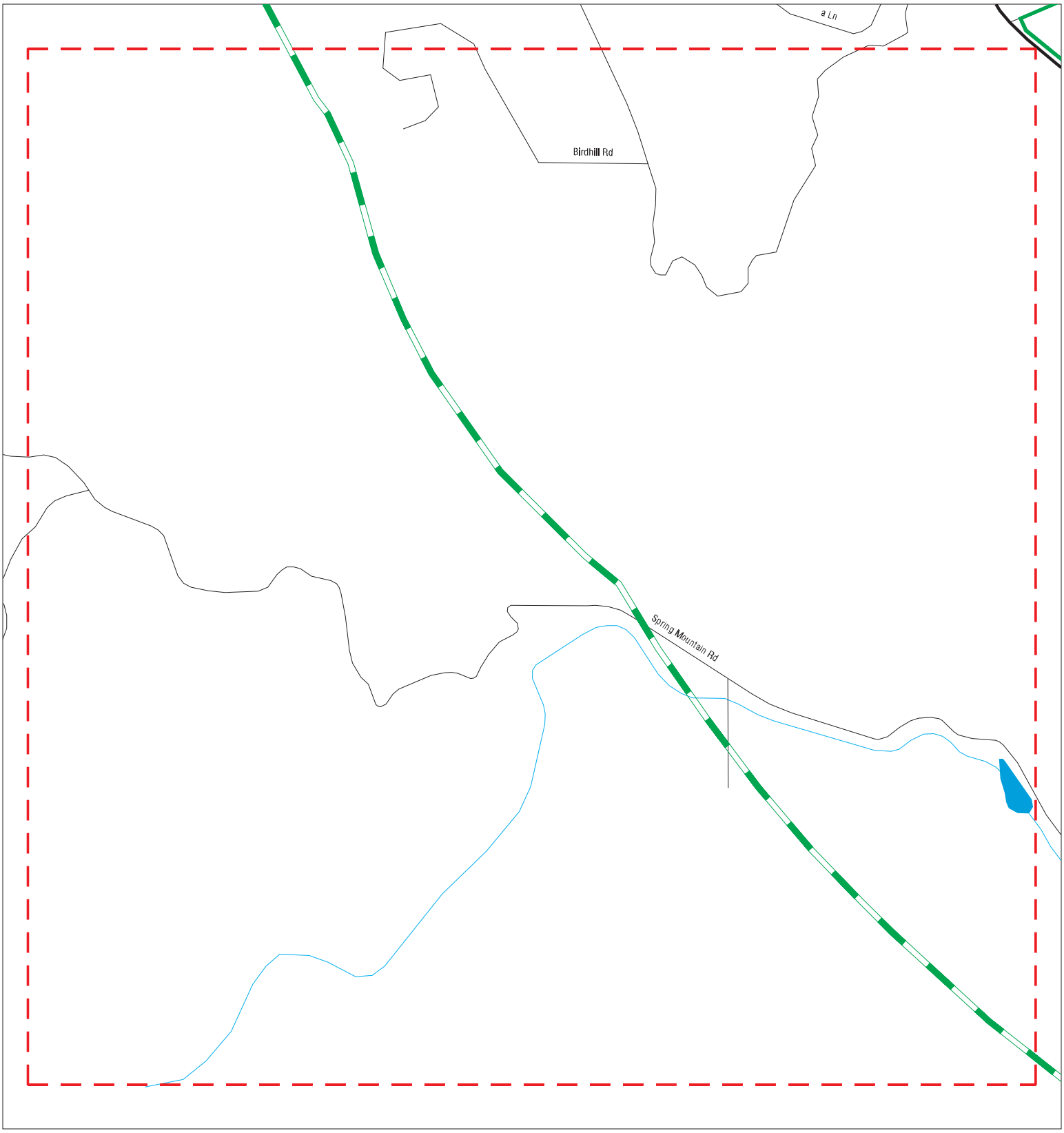
MAPPED SITES SUMMARY - FOCUS MAP 11

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
31 / 11	ALLORA VINEYARDS	3244 EHLERS LN	FINDS	TP
G32 / 11	EHLERS ESTATE	3222 EHLERS LN	FINDS, ECHO	TP
G33 / 11	LAURA DIAZ MUNOZ	3222 EHLERS LANE	NPDES, PEST LIC, CIWQS, CERS	TP
G34 / 11	EHLERS ESTATE WINERY	3222 EHLERS LN	CIWQS	TP
G35 / 11	EHLERS ESTATE	3222 EHLERS LANE	CERS	TP
97 / 11	LOUER, ROGER	3241 EHLER LANE	UST	64 0.012 WSW
Z149 / 11	PG&E SITE	3101 SILVERADO TRL	LUST, CHMIRS	2270 0.430 ENE
Z150 / 11	3101 SILVERADO TRAIL	3101 SILVERADO TRL	LUST	2270 0.430 ENE

Focus Map - 12 - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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MAPPED SITES SUMMARY - FOCUS MAP 12

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 13 - 5947391.5s

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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MAPPED SITES SUMMARY - FOCUS MAP 13

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
H36 / 13	TRINCHERO WINERY	3070 SAINT HELENA HW	FINDS	TP
H37 / 13	TRINCHERO WINERY	3070 SAINT HELENA HW	CERS	TP
I38 / 13	MONITORING STATION	3022 ST HELENA HWY	FINDS	TP
I39 / 13	MONITORING STATION	3022 ST HELENA HWY	CERS	TP
I40 / 13	FREEMARK ABBEY WINER	3022 SAINT HELENA HW	FINDS	TP
I41 / 13	FREEMARK ABBEY WINER	3022 ST. HELENA HIGH	CERS	TP
I42 / 13	FREEMARK ABBEY WINER	3022 SAINT HELENA HW	WDS	TP
I43 / 13	FREEMARK ABBEY WINER	3022 ST. HELENA HWY	CIWQS	TP
I44 / 13	FREEMARK ABBY WINERY	3022 SAINT HELENA HW	HAZNET	TP
J45 / 13	REVANA FAMILY VINEYA	2930 ST. HELENA HWY	CERS	TP
J46 / 13	REVANA FAMILY PARTNE	2930 ST HELENA HWY N	NPDES, CIWQS, CERS	TP
J47 / 13	REVANA FAMILY WINERY	2930 ST HELENA N HWY	CERS	TP
J48 / 13	REVANA FAMILY PARTNE	2930 ST HELENA HWY N	FINDS, ECHO	TP
J49 / 13	REVANA FAMILY WINERY	2930 ST HELENA N HWY	FINDS	TP
K50 / 13	ST. CLEMENT VINEYARD		CERS	TP
K51 / 13	ST. CLEMENT VINEYARD		CIWQS	TP
L52 / 13	C MONDAVI & SONS	2800 ST HELENA HIGHW	HAZNET	TP
L53 / 13	C. MONDAVI & SONS	2800 ST HELENA HWY	HAZNET	TP
L54 / 13	CWMS WWTP (AT MARKHA	2812 ST HELENA HWY N	FINDS	TP
L55 / 13	MARKHAM VINEYARDS	2812 SAINT HELENA HW	CERS HAZ WASTE, WDS, CERS	TP
L56 / 13	MARKHAM VINEYARDS (W	2812 ST HELENA HWY	FINDS, ECHO	TP
L57 / 13	MARKHAM VINEYARDS	2812 SAINT HELENA HW	RCRA NonGen / NLR	TP
L58 / 13		2812 ST. HELENA HWY	CHMIRS	TP
L59 / 13	MARKHAM VINEYARDS	2812 ST HELENA HWY N	NPDES, CIWQS, CERS	TP
L60 / 13		2812 ST. HELENA HIGH	CHMIRS	TP
M61 / 13	KRUG RANCH	2800 ST HELENA HWY N	FINDS	TP
M62 / 13	KRUG RANCH	2800 ST HELENA HWY N	CERS	TP
M63 / 13	C. MONDAVI & FAMILY	2800 SAINT HELENA HW	HAZNET	TP
64 / 13	CHARLES KRUG WINERY	2800 ST HELENA HWY	CERS HAZ WASTE, SWEEPS UST, CERS	TP
65 / 13		2800 ST HELENA HIGHW	CHMIRS	TP
N66 / 13	C. MONDAVI & FAMILY	2800 MAIN ST.	HAZNET	TP
N67 / 13		2800 MAIN ST.	CHMIRS	TP
N68 / 13	CHARLES KRUG WINERY	2800 MAIN ST	HAZNET	TP
N69 / 13		2800 MAIN STREET	ERNS	TP
N70 / 13		2800 MAIN STREET	ERNS	TP
N71 / 13		2800 MAIN STREET	ERNS	TP
N72 / 13	CHARLES KRUG WINERY	2800 MAIN ST	NPDES, CERS	TP
N73 / 13		2800 MAIN STREET	CHMIRS	TP
N74 / 13		CHARLES KRUG WINERY	CHMIRS	TP

MAPPED SITES SUMMARY - FOCUS MAP 13

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
N75 / 13	CHARLES KRUG WINERY	2800 MAIN STREET	FINDS, ECHO	TP		
N76 / 13	CHARLES KRUG WINERY	2800 MAIN ST	CIWQS	TP		
N77 / 13	CHARLES KRUG WINERY	2800 MAIN ST	HIST UST, EMI, WDS, CERS	TP		
O78 / 13		1000 PRATT AVE	ERNS	TP		
O79 / 13	BERINGER VINEYARDS	1000 PRATT AVENUE	EMI, CERS	TP		
O80 / 13	ST. HELENA VINEYARD	1000 PRATT AVE	CERS HAZ WASTE, CERS	TP		
O81 / 13		1000 PRATT AVE	ERNS	TP		
O82 / 13		1000 PRATT AVE	ERNS	TP		
O83 / 13		1000 PRATT AVE	CHMIRS	TP		
O84 / 13	BERINGER - ICON III	1000 PRATT AVENUE	LUST, CHMIRS, HAZNET, NPDES, CIWQS	TP		
O85 / 13		1000 PRATT AVE.	CHMIRS	TP		
O86 / 13		1000 PRATTE AVENUE	CHMIRS	TP		
O87 / 13	BERINGER VINEYARDS	1000 PRATT AVE	HIST FTTS	TP		
O88 / 13	BERINGER VINEYARDS	1000 PRATT AVE	FTTS	TP		
O89 / 13	BERINGER VINEYARDS	1000 PRATT AVENUE	FINDS, ECHO	TP		
O90 / 13	BERINGER VINEYARDS	1000 PRATT AVE	HIST FTTS, WDS	TP		
O91 / 13	BERINGER VINEYARDS	1000 PRATT AVE	FTTS	TP		
O92 / 13	BERINGER VINEYARDS	1000 PRATT AVE	RCRA NonGen / NLR	TP		
O93 / 13		1000 PRATT AVENUE	ERNS	TP		
O94 / 13	BERINGER VINEYARDS	1000 PRATT AVENUE	RMP	TP		
P95 / 13	BERINGER WINERY- YOR		CERS	TP		
P96 / 13	BERINGER WINERY- YOR		CIWQS	TP		
M103 / 13	GREYSTONE WINERY	DEER PARK ROAD AND H	HIST UST	85	0.016	SSW
M104 / 13	GREYSTONE WINERY	DEER PARK ROAD & HIG	HIST UST	85	0.016	SSW
M105 / 13	MONT LASALLE VINEYAR	DEER PK RD & HWY 29	SWEEPS UST	85	0.016	SSW
108 / 13	CAIRDEAN VINEYARDS L	3125 ST HELENA HIGHW	RCRA-SQG	101	0.019	SW
109 / 13	LINO GUIDICI	999 PRATT AVE	SWEEPS UST, HIST UST	107	0.020	ESE
I110 / 13	BUCKHORN TRAILER PAR	3043 ST HELENA HWY	UST	118	0.022	WSW
R114 / 13	BERINGER VINEYARDS	2000 MAIN ST	LUST, UST, HIST CORTESE, CERS	168	0.032	SW
R115 / 13	BERINGER VINEYARDS	2000 MAIN STREET	HIST UST	168	0.032	SW
W137 / 13	FRED A. BERTOLINI	1181 YORK LN	SWEEPS UST	443	0.084	NE
W138 / 13	FRED A BERTOLINI	1181 YORK LANE	HIST UST	443	0.084	NE

Focus Map - 14 - 5947391.5s

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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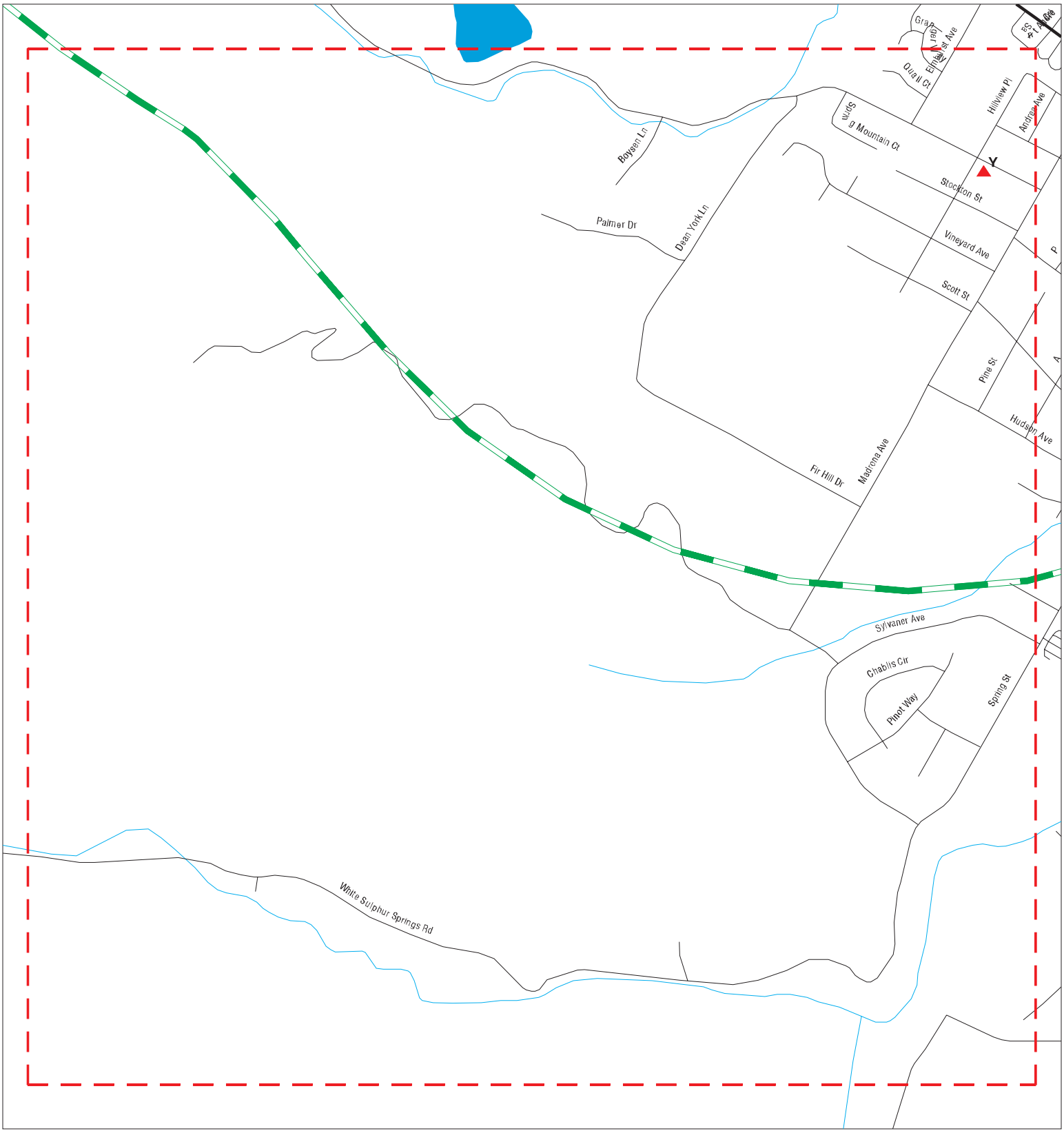
MAPPED SITES SUMMARY - FOCUS MAP 14

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
X143 / 14	HELEN PASCHICH ESTAT	1078 FULTON LANE	LUST, UST, HIST UST, HIST CORTESE	1444 0.273 SE
X144 / 14	PRIVATE RESIDENCE	PRIVATE RESIDENCE	LUST, CERS	1448 0.274 SE
145 / 14	ABRUZZINI PROPERTY	1030 FULTON LN	LUST, CPS-SLIC, HIST CORTESE, CERS	1527 0.289 ESE

Focus Map - 15 - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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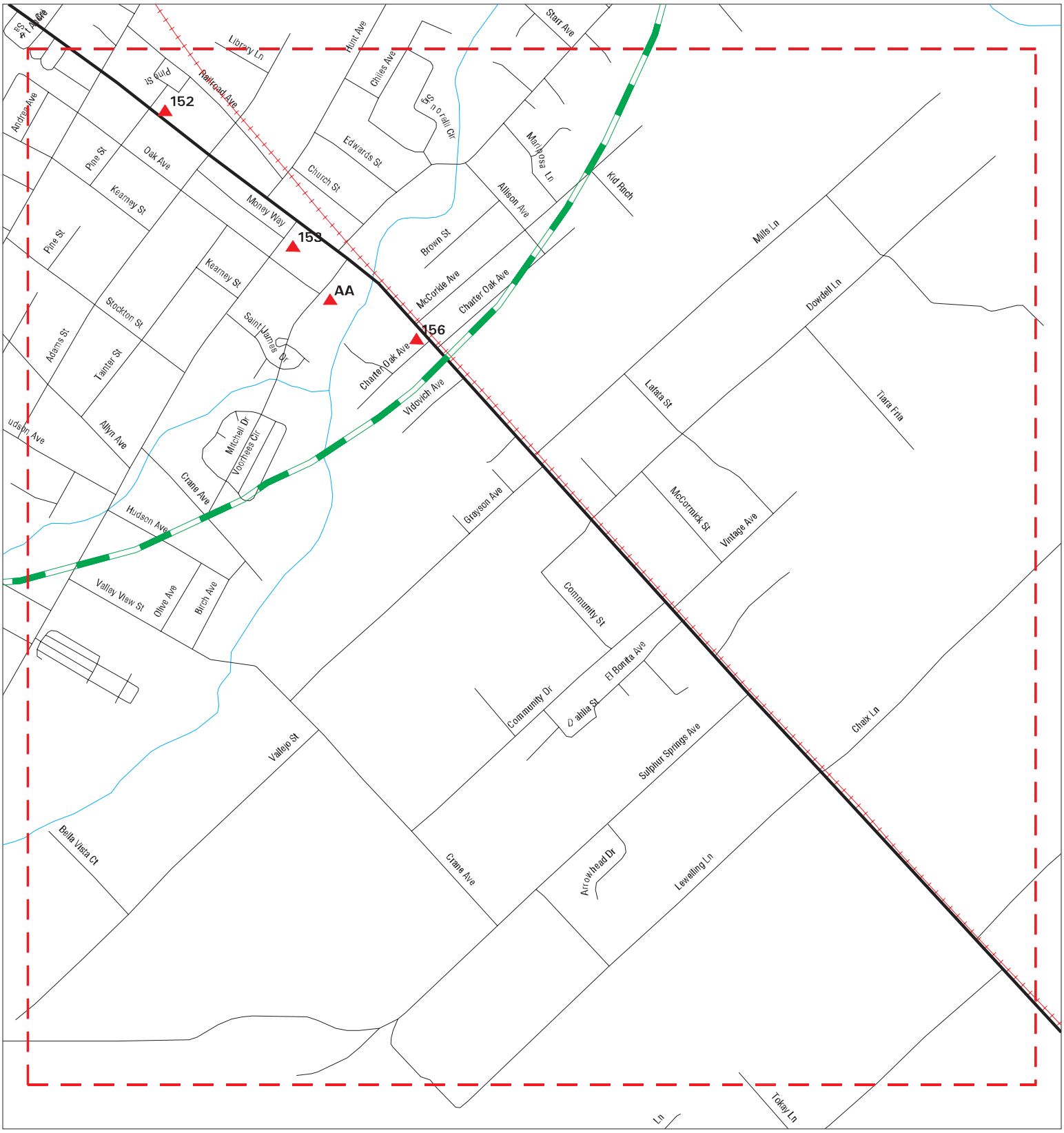
MAPPED SITES SUMMARY - FOCUS MAP 15

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Y146 / 15	JAEGER, WILLIAM AND	1665 SPRING MOUNTAIN	LUST, SWEEPS UST	2126 0.403 SSE
Y147 / 15	JAEGER PROPERTY	1665 SPRING MOUNTAIN	LUST, HIST CORTESE, CERS	2126 0.403 SSE

Focus Map - 16 - 5947391.5s



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/8 1/4 Miles

SITE NAME: Napa Vine Trail	CLIENT: Parikh Consultants
ADDRESS: Napa Vine Trail	CONTACT: Gary Parikh
CITY/STATE: Saint Helena CA	INQUIRY #: 5947391.5s
ZIP: 94574	DATE: 01/28/20

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MAPPED SITES SUMMARY - FOCUS MAP 16

Target Property:
NAPA VINE TRAIL
SAINT HELENA, CA 94574

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
152 / 16	ST HELENA POLICE DEP	1480 MAIN ST	LUST, ENF, HIST CORTESE, CIWQS, CERS	2401	0.455	SE
153 / 16	KLASS CLEANERS	1141 MAIN ST	ENVIROSTOR, VCP, CERS HAZ WASTE, HAZNET,.	3833	0.726	SE
AA154 / 16	PG AND E ST HELENA	MITCHELL DR AND OAK	EDR MGP	4307	0.816	SE
AA155 / 16	PG&E ST. HELENA	1301-1302 MITCHELL D	ENVIROSTOR, VCP, DEED	4330	0.820	SE
156 / 16	ST HELENA PETROLEUM	905 MAIN ST	ENVIROSTOR, LUST, HIST CORTESE, CERS	4997	0.946	SE

A1 Target Property — **STERLING VINEYARDS, 1111 DUNAWGAL LANE, CALISTOGA, CA 94515** — **SWEEPS UST, HIST UST** — **S106932585, N/A**

Site 1 of 7 in cluster A

Actual: 321 ft.

Focus Map: 5

SWEEPS UST:

Name:	STERLING VINEYARDS
Address:	1111 DUNAWGAL LN
City:	CALISTOGA
Status:	Active
Comp Number:	35318
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	1
SWRCB Tank Id:	28-000-035318-000001
Tank Status:	A
Capacity:	1000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

HIST UST:

Name:	STERLING VINEYARDS
Address:	1111 DUNAWGAL LANE
City,State,Zip:	CALISTOGA, CA 94515
File Number:	0001EFE2
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001EFE2.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

A2 **CITY OF CALISTOGA** **FINDS** **1006159125**
Target Property **DUNAWEAL LANE** **N/A**
CALISTOGA, CA 94515

Site 2 of 7 in cluster A

Actual: 317 ft.

FINDS:

Focus Map: 5

Registry ID: 110006835782

Environmental Interest/Information System
HAZARDOUS AIR POLLUTANT MAJOR

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

A3 **CITY OF CALISTOGA** **EMI** **S110501865**
Target Property **DUNAWEAL LANE** **CERS** **N/A**
CALISTOGA, CA 94515

Site 3 of 7 in cluster A

Actual: 317 ft.

EMI:

Focus Map: 5

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	1987
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	1990
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

CITY OF CALISTOGA (Continued) **S110501865**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CITY OF CALISTOGA
Address: DUNAWEAL LANE
City,State,Zip: CALISTOGA, CA 94515
Year: 1993
County Code: 28
Air Basin: SF
Facility ID: 3471
Air District Name: BA
SIC Code: 4952
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CITY OF CALISTOGA
Address: DUNAWEAL LANE
City,State,Zip: CALISTOGA, CA 94515
Year: 1996
County Code: 28
Air Basin: SF
Facility ID: 3471
Air District Name: BA
SIC Code: 4952
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CITY OF CALISTOGA
Address: DUNAWEAL LANE
City,State,Zip: CALISTOGA, CA 94515
Year: 1997
County Code: 28
Air Basin: SF
Facility ID: 3471
Air District Name: BA
SIC Code: 4952
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

CITY OF CALISTOGA (Continued) **S110501865**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	1998
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	1999
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2000
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported

CITY OF CALISTOGA (Continued) **S110501865**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2001
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2002
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2003
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA

CITY OF CALISTOGA (Continued) **S110501865**

SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2004
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.353
Reactive Organic Gases Tons/Yr:	0.210197
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2005
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.282
Reactive Organic Gases Tons/Yr:	.1594992
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2006
County Code:	28

CITY OF CALISTOGA (Continued) **S110501865**

Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.334
Reactive Organic Gases Tons/Yr:	.1994506
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA
Year:	2007
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.34
Reactive Organic Gases Tons/Yr:	.1994087
Carbon Monoxide Emissions Tons/Yr:	.044
NOX - Oxides of Nitrogen Tons/Yr:	.036
SOX - Oxides of Sulphur Tons/Yr:	.001
Particulate Matter Tons/Yr:	.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001952

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2008
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.258
Reactive Organic Gases Tons/Yr:	.1539394
Carbon Monoxide Emissions Tons/Yr:	.048
NOX - Oxides of Nitrogen Tons/Yr:	.039
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.001952

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE

CITY OF CALISTOGA (Continued) **S110501865**

City,State,Zip:	CALISTOGA, CA 94515
Year:	2009
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.313
Reactive Organic Gases Tons/Yr:	0.19649749999999999
Carbon Monoxide Emissions Tons/Yr:	5.3999999999999999E-2
NOX - Oxides of Nitrogen Tons/Yr:	4.3999999999999997E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.00307377049180327
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.0000000000000001E-3

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2010
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.30499999999999999
Reactive Organic Gases Tons/Yr:	0.1917016
Carbon Monoxide Emissions Tons/Yr:	5.0999999999999997E-2
NOX - Oxides of Nitrogen Tons/Yr:	4.2000000000000003E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.00204918032786885
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.002

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2011
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.32
Reactive Organic Gases Tons/Yr:	0.190158
Carbon Monoxide Emissions Tons/Yr:	0.017
NOX - Oxides of Nitrogen Tons/Yr:	0.014
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CITY OF CALISTOGA (Continued) **S110501865**

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2012
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.333
Reactive Organic Gases Tons/Yr:	0.2025729
Carbon Monoxide Emissions Tons/Yr:	0.028
NOX - Oxides of Nitrogen Tons/Yr:	0.023
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0010245901639
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2013
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.304
Reactive Organic Gases Tons/Yr:	0.1794148
Carbon Monoxide Emissions Tons/Yr:	0.032
NOX - Oxides of Nitrogen Tons/Yr:	0.026
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.002
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001

Name:	CITY OF CALISTOGA
Address:	DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Year:	2014
County Code:	28
Air Basin:	SF
Facility ID:	3471
Air District Name:	BA
SIC Code:	4952
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.206212763
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.014173884
NOX - Oxides of Nitrogen Tons/Yr:	0.01151567
SOX - Oxides of Sulphur Tons/Yr:	1.1962e-005

CITY OF CALISTOGA (Continued) **S110501865**

Particulate Matter Tons/Yr: 0.000696659
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.000668793

Name: CITY OF CALISTOGA
Address: DUNAWEAL LANE
City,State,Zip: CALISTOGA, CA 94515
Year: 2015
County Code: 28
Air Basin: SF
Facility ID: 3471
Air District Name: BA
SIC Code: 4952
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.220451291
Reactive Organic Gases Tons/Yr: 0.156808785
Carbon Monoxide Emissions Tons/Yr: 0.01932801
NOX - Oxides of Nitrogen Tons/Yr: 0.01570319
SOX - Oxides of Sulphur Tons/Yr: 1.6312e-005
Particulate Matter Tons/Yr: 0.000357833
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.00034352

Name: CITY OF CALISTOGA
Address: DUNAWEAL LANE
City,State,Zip: CALISTOGA, CA 94515
Year: 2016
County Code: 28
Air Basin: SF
Facility ID: 3471
Air District Name: BA
SIC Code: 4952
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.197102434
Reactive Organic Gases Tons/Yr: 0.14175398768
Carbon Monoxide Emissions Tons/Yr: 0.028992042
NOX - Oxides of Nitrogen Tons/Yr: 0.023554783
SOX - Oxides of Sulphur Tons/Yr: 2.4469e-005
Particulate Matter Tons/Yr: 0.000536749
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.000515279

Name: CITY OF CALISTOGA
Address: DUNAWEAL LANE
City,State,Zip: CALISTOGA, CA 94515
Year: 2017
County Code: 28
Air Basin: SF
Facility ID: 3471
Air District Name: BA
SIC Code: 4952
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.271749617
Reactive Organic Gases Tons/Yr: 0.19495799141

CITY OF CALISTOGA (Continued) **S110501865**

Carbon Monoxide Emissions Tons/Yr: 0.015462409
NOX - Oxides of Nitrogen Tons/Yr: 0.012562541
SOX - Oxides of Sulphur Tons/Yr: 1.305e-005
Particulate Matter Tons/Yr: 0.000286266
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.000274815

CERS:
Name: CITY OF CALISTOGA
Address: DUNAWEAL LANE
City,State,Zip: CALISTOGA, CA 94515
Site ID: 459901
CERS ID: 110006835782
CERS Description: US EPA Air Emission Inventory System (EIS)

B4 Target Property **A & P AG STRUCTURES, INC.** **HAZNET** **S112853426**
4102 ST. HELENA HWY. **N/A**
CALISTOGA, CA 94515

Site 1 of 4 in cluster B

Actual: 318 ft.
Focus Map: 5

HAZNET:
Name: A & P AG STRUCTURES, INC.
Address: 4102 ST. HELENA HWY.
Address 2: Not reported
City,State,Zip: CALISTOGA, CA 945150000
Year: 1994
Gepaid: CAC000925032
Contact: DAVID TAYLOR
Telephone: 7079429579
Mailing Name: Not reported
Mailing Address: 11266 AVENUE 264
Gen County: 28
Waste Category: Unspecified oil-containing waste
TSD EPA ID: CAD059494310
TSD County: 43
Disposal Method: Disposal, Other
Tons: 4

Name: A & P AG STRUCTURES, INC.
Address: 4102 ST. HELENA HWY.
Address 2: Not reported
City,State,Zip: CALISTOGA, CA 945150000
Year: 1994
Gepaid: CAC000925032
Contact: DAVID TAYLOR
Telephone: 7079429579
Mailing Name: Not reported
Mailing Address: 11266 AVENUE 264
Gen County: 28
Waste Category: Waste oil and mixed oil
TSD EPA ID: CAD980887418
TSD County: 01
Disposal Method: Recycler
Tons: 1.786

B5 **PATRICK FLYNN** **LUST** **S119102564**
Target **4102 ST HELENA HWY** **N/A**
Property **CALISTOGA, CA 94515**

Site 2 of 4 in cluster B

Actual: **318 ft.**
Focus Map: **5**

NAPA CO. LUST:

Name:	PATRICK FLYNN
Address:	4102 ST HELENA HWY
City,State,Zip:	CALISTOGA, CA 94515
Permit ID:	248296
Status:	Closed
Permit Type:	Non-LOP
District:	0

C6 **1X HEUBLEIN FINE WINE GROUP** **HAZNET** **S123731820**
Target **3996 ST HELENA HWY** **N/A**
Property **CALISTOGA, CA 94515**

Site 1 of 11 in cluster C

Actual: **331 ft.**
Focus Map: **5**

HAZNET:

Name:	1X HEUBLEIN FINE WINE GROUP
Address:	3996 ST HELENA HWY
Address 2:	Not reported
City,State,Zip:	CALISTOGA, CA 945150000
Year:	1990
Gepaid:	CAC000535024
Contact:	MICHAEL SILACCI/VINEYARD OPERS
Telephone:	7079634480
Mailing Name:	Not reported
Mailing Address:	100 ST HELENA HWY
Gen County:	28
Waste Category:	Other empty containers 30 gallons or more
TSD EPA ID:	CAD004771168
TSD County:	38
Disposal Method:	Recycler
Tons:	6.775

C7 **NAPA COUNTY - DEPARTMENT OF ENVIORNMENTAL MANAGEME** **FINDS** **1024620957**
Target **3996 N ST HELENA HWY** **ECHO** **N/A**
Property **CALISTOGA, CA 94515**

Site 2 of 11 in cluster C

Actual: **331 ft.**
Focus Map: **5**

FINDS:

Registry ID: 110070409344

Environmental Interest/Information System

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

NAPA COUNTY - DEPARTMENT OF ENVIORNMENTAL MANAGEMENT (Continued) **1024620957**

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

ECHO:
Envid: 1024620957
Registry ID: 110070409344
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070409344

C8 **CALISTOGA RANCH** **HIST UST** **U001596420**
Target **3996 SAINT HELENA HWY** **N/A**
Property **CALISTOGA, CA 94515**

Site 3 of 11 in cluster C

Actual: **331 ft.**

Focus Map: **5**

HIST UST:
Name: CALISTOGA RANCH
Address: 3996 SAINT HELENA HWY
City,State,Zip: CALISTOGA, CA 94515
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000046086
Facility Type: Other
Other Type: TRACTOR & WINDMACHIN
Contact Name: MIKE PINA
Telephone: 7072265566
Owner Name: MONT LA SALLE VINEYARDS
Owner Address: P.O. BOX 420, 4411 REDWOOD RD.
Owner City,St,Zip: NAPA, CA 94559
Total Tanks: 0007

Tank Num: 001
Container Num: 1
Year Installed: 1979
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1979
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1980
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12

CALISTOGA RANCH (Continued) **U001596420**

Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: U
Year Installed: 1979
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12
Leak Detection: Visual, Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1975
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Visual, Stock Inventor

Tank Num: 006
Container Num: 6
Year Installed: 1975
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Visual, Stock Inventor

Tank Num: 007
Container Num: 7
Year Installed: 1979
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12
Leak Detection: Visual, Stock Inventor

C9 **CALISTOGA BARN** **CERS HAZ WASTE** **S124437454**
Target **3996 SAINT HELENA HWY** **CERS** **N/A**
Property **CALISTOGA, CA 94515**

Site 4 of 11 in cluster C

Actual:
331 ft.

Focus Map:
5

CERS HAZ WASTE:
Name: CALISTOGA BARN
Address: 3996 SAINT HELENA HWY
City,State,Zip: CALISTOGA, CA 94515
Site ID: 521202
CERS ID: 10789471
CERS Description: Hazardous Waste Generator

CERS:
Name: CALISTOGA BARN
Address: 3996 SAINT HELENA HWY
City,State,Zip: CALISTOGA, CA 94515
Site ID: 521202

CALISTOGA BARN (Continued) **S124437454**

CERS ID: 10789471
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 521202
Site Name: CALISTOGA BARN
Violation Date: 04-22-2019
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 04/25/2019. 55 gallon drum of used oil and fuel filters located in the barn were observed with accumulation start date of 2016. Submit photos to the CUPA demonstrating that the used oil and fuel filters are being properly managed or submit a bill of lading to this department demonstrating proper disposal.
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Used oil pickup has been scheduled per Libby Frantz.
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Libby Frantz
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Libby Frantz
Entity Title: Viticulturist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

CALISTOGA BARN (Continued) **S124437454**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	T and M Agricultural Services, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 963-3330
Affiliation Type Desc:	Property Owner
Entity Name:	Realty Income Properties 2 LLC
Entity Title:	Not reported
Affiliation Address:	600 La Terraza Blvd
Affiliation City:	Escondido
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92025
Affiliation Phone:	(760) 317-2967
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P. O. Box 122
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	T and M Agricultural Services
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Mark Oberschulte
Entity Title:	Not reported
Affiliation Address:	P. O. Box 122
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210

CALISTOGA BARN (Continued) **S124437454**

Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417
Affiliation Type Desc:	Legal Owner
Entity Name:	Realty Income Properties 2 LLC
Entity Title:	Not reported
Affiliation Address:	600 La Terraza Blvd
Affiliation City:	Escondido
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92025
Affiliation Phone:	(760) 317-2967

C10 Target Property **T AND M AGRICULTURAL SERVICES LLC** **FINDS 1024622928**
3996 SAINT HELENA HWY **ECHO N/A**
CALISTOGA, CA 94515

Site 5 of 11 in cluster C

Actual: 331 ft.
Focus Map: 5

FINDS:

Registry ID: 110070411315

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

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

ECHO:

Envid:	1024622928
Registry ID:	110070411315
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070411315

C11 Target Property **CALISTOGA RANCH (BV 12)** **AST A100418227**
3996 SAINT HELENA HWY N **N/A**
CALISTOGA, CA 94515

Site 6 of 11 in cluster C

Actual: 331 ft.
Focus Map: 5

AST:

Name:	CALISTOGA RANCH (BV 12)
Address:	3996 SAINT HELENA HWY N
City/Zip:	CALISTOGA,94515
Certified Unified Program Agencies:	Not reported
Owner:	Realty Income Properties 2 LLC
Total Gallons:	Not reported

CALISTOGA RANCH (BV 12) (Continued) **A100418227**

CERSID:	10170637
Facility ID:	Not reported
Business Name:	T and M Agricultural Services
Phone:	(707) 963-3330
Fax:	707963-0759
Mailing Address:	P. O. Box 122
Mailing Address City:	St Helena
Mailing Address State:	CA
Mailing Address Zip Code:	94574
Operator Name:	T and M Agricultural Services LLC
Operator Phone:	707-963-3330
Owner Phone:	760-317-2967
Owner Mail Address:	600 La Terraza Blvd
Owner State:	CA
Owner Zip Code:	92025
Owner Country:	United States
Property Owner Name:	Realty Income Properties 2 LLC
Property Owner Phone:	760-317-2967
Property Owner Mailing Address:	600 La Terraza Blvd
Property Owner City:	Escondido
Property Owner Stat :	CA
Property Owner Zip Code:	92025
Property Owner Country:	United States
EPAID:	CAL000383222

C12 **CALISTOGA RANCH** **FINDS** **1016430654**
Target **3996 SAINT HELENA HWY N** **N/A**
Property **CALISTOGA, CA 94515**

Site 7 of 11 in cluster C

Actual: FINDS:
331 ft.

Focus Map: Registry ID: 110055817530
5

Environmental Interest/Information System
STATE MASTER

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

C13 **CALISTOGA RANCH** **HIST UST** **S118408361**
Target **3996 ST HELENA HWY N** **N/A**
Property **CALISTOGA, CA 94515**

Site 8 of 11 in cluster C

Actual: HIST UST:
331 ft.

Focus Map:
5

Name:	CALISTOGA RANCH
Address:	3996 ST HELENA HWY N
City,State,Zip:	CALISTOGA, CA 94515
File Number:	0002B02A
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B02A.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported

CALISTOGA RANCH (Continued) **S118408361**

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

Click here for Geo Tracker PDF:

C14 Target Property **CALISTOGA RANCH (BV 12)**
3996 SAINT HELENA HWY N
CALISTOGA, CA 94515

CERS TANKS **S121771875**
CERS **N/A**

Site 9 of 11 in cluster C

Actual: 331 ft.

Focus Map: 5

CERS TANKS:

Name:	CALISTOGA RANCH (BV 12)
Address:	3996 SAINT HELENA HWY N
City,State,Zip:	CALISTOGA, CA 94515
Site ID:	389047
CERS ID:	10170637
CERS Description:	Aboveground Petroleum Storage

CERS:

Name:	CALISTOGA RANCH (BV 12)
Address:	3996 SAINT HELENA HWY N
City,State,Zip:	CALISTOGA, CA 94515
Site ID:	389047
CERS ID:	10170637
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	389047
Site Name:	CALISTOGA RANCH (BV 12)
Violation Date:	08-01-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 08/02/2017. EPA id number listed in the CERS submittal was active. However, it is listed with T & M Ag, who no longer manages this site. Either this EPA id number needs to be updated to show the current management company or a new EPA id number needs to be obtained for this site. The generator has not obtained an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number.

CALISTOGA RANCH (BV 12) (Continued) **S121771875**

	Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HW
Violation Source:	CERS
Site ID:	389047
Site Name:	CALISTOGA RANCH (BV 12)
Violation Date:	05-22-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 06/25/2015.
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	389047
Site Name:	CALISTOGA RANCH (BV 12)
Violation Date:	08-01-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/25/2017. Current business plan was not submitted. The business failed to complete and electronically submit a business plan when handling hazardous materials at or above the reportable threshold quantities. Complete and electronically submit a business plan.
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-01-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-01-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-22-2015
Violations Found:	No

CALISTOGA RANCH (BV 12) (Continued) **S121771875**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Bridget Walsh
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1000 Pratt Ave attn: Bridget Walsh
Affiliation City: St Helena
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Bridget Walsh
Entity Title: HSE Mgr Vyd Ops
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Treasury Wine Estates

CALISTOGA RANCH (BV 12) (Continued) **S121771875**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417
Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(805) 712-7451
Affiliation Type Desc:	Environmental Contact
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 712-7451

C15 **NAPA COUNTY - DEPARTMENT OF ENVIORNMENTAL MANAGEME** **RCRA NonGen / NLR** **1024785103**
Target Property **3996 N ST HELENA HWY** **CAH111001235**
CALISTOGA, CA 94515

Site 10 of 11 in cluster C

Actual: 331 ft.

Focus Map: 5

RCRA NonGen / NLR:

Date form received by agency:	2007-10-04 00:00:00.0
Facility name:	NAPA COUNTY - DEPARTMENT OF ENVIORNMENTAL MANAGEMENT
Facility address:	3996 N ST HELENA HWY CALISTOGA, CA 94515-0000
EPA ID:	CAH111001235
Mailing address:	1195 THIRD ST STE 101 NAPA, CA 94559
Contact:	AMY GARDEN
Contact address:	1195 THIRD ST STE 101 NAPA, CA 94559
Contact country:	Not reported
Contact telephone:	707-833-6351
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	AMY GARDEN
Owner/operator address:	1195 THIRD ST STE 101 NAPA, CA 94559
Owner/operator country:	Not reported
Owner/operator telephone:	707-833-6351
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NAPA COUNTY - DEPARTMENT OF ENVIORN
Owner/operator address:	1195 THIRD ST STE 101 NAPA, CA 94559
Owner/operator country:	Not reported
Owner/operator telephone:	707-833-6351
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

NAPA COUNTY - DEPARTMENT OF ENVIORNMENTAL MANAGEMENT (Continued) **1024785103**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

C16 **T AND M AGRICULTURAL SERVICES LLC** **RCRA NonGen / NLR** **1024837564**
Target **3996 SAINT HELENA HWY** **CAL000383222**
Property **CALISTOGA, CA 94515**

Site 11 of 11 in cluster C

Actual: **331 ft.**

Focus Map: **5**

RCRA NonGen / NLR:

Date form received by agency:	2013-03-04 00:00:00.0
Facility name:	T AND M AGRICULTURAL SERVICES LLC
Facility address:	3996 SAINT HELENA HWY CALISTOGA, CA 94515-9608
EPA ID:	CAL000383222
Mailing address:	PO BOX 122 SAINT HELENA, CA 94574-0000
Contact:	MARK OBERSCHULTE
Contact address:	PO BOX 122 SAINT HELENA, CA 94574
Contact country:	Not reported
Contact telephone:	707-963-3330
Contact email:	LIBBY@TMAGSERV.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MARK OBERSCHULTE
Owner/operator address:	PO BOX 122 SAINT HELENA, CA 94574
Owner/operator country:	Not reported
Owner/operator telephone:	707-963-3330
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MARK OBERSCHULTE
Owner/operator address:	PO BOX 122 SAINT HELENA, CA 94574
Owner/operator country:	Not reported
Owner/operator telephone:	707-963-3330
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

T AND M AGRICULTURAL SERVICES LLC (Continued) **1024837564**

Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

D17 **DPR - BUTHE NAPA** **HAZNET** **S123616032**
Target **3801 SAINT HELENA HWY** **N/A**
Property **CALISTOGA, CA 94515**

Site 1 of 4 in cluster D

Actual: **322 ft.**
Focus Map: **6**

HAZNET:

Name: DPR - BUTHE NAPA
Address: 3801 SAINT HELENA HWY
Address 2: Not reported
City,State,Zip: CALISTOGA, CA 945159652
Year: 2004
Gepaid: CAL000026299
Contact: MICHAEL STEPHENS
Telephone: 9163240412
Mailing Name: Not reported
Mailing Address: 704 O ST
Gen County: 28
Waste Category: Off-specification, aged or surplus organics
TSD EPA ID: CAT080013352
TSD County: 19
Disposal Method: Recycler
Tons: 0.8778

Name: DPR - BUTHE NAPA
Address: 3801 SAINT HELENA HWY
Address 2: Not reported
City,State,Zip: CALISTOGA, CA 945159652
Year: 2004
Gepaid: CAL000026299
Contact: MICHAEL STEPHENS
Telephone: 9163240412
Mailing Name: Not reported
Mailing Address: 704 O ST

DPR - BUTHE NAPA (Continued) **S123616032**

Gen County:	28
Waste Category:	Liquids with pH <= 2
TSD EPA ID:	CAT080033681
TSD County:	19
Disposal Method:	Disposal, Land Fill
Tons:	0.00417
Name:	DPR - BUTHE NAPA
Address:	3801 SAINT HELENA HWY
Address 2:	Not reported
City,State,Zip:	CALISTOGA, CA 945159652
Year:	2004
Gepaid:	CAL000026299
Contact:	MICHAEL STEPHENS
Telephone:	9163240412
Mailing Name:	Not reported
Mailing Address:	704 O ST
Gen County:	28
Waste Category:	Other organic solids
TSD EPA ID:	CAT080033681
TSD County:	19
Disposal Method:	Disposal, Land Fill
Tons:	0.3

D18
Target Property
CA STATE DEPT. OF PARKS & REC.
3801 ST HELENA HWY,
CALISTOGA, CA 94515

FINDS **1024676888**
ECHO **N/A**

Site 2 of 4 in cluster D

Actual: 322 ft.

Focus Map: 6

FINDS:

Registry ID: 110070465282

Environmental Interest/Information System

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

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

ECHO:

Envid:	1024676888
Registry ID:	110070465282
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070465282

D19 Target Property **CA STATE DEPT. OF PARKS & REC.**
3801 ST HELENA HWY,
CALISTOGA, CA 94515

RCRA NonGen / NLR **1024757243** **CAC002977080**

Site 3 of 4 in cluster D

Actual: 322 ft.

Focus Map: 6

RCRA NonGen / NLR:

Date form received by agency:	2018-08-22 00:00:00.0
Facility name:	CA STATE DEPT. OF PARKS & REC.
Facility address:	3801 ST HELENA HWY, CALISTOGA, CA 94515
EPA ID:	CAC002977080
Mailing address:	ONE CAPITAL MALL SUITE 410 SACRAMENTO, CA 95814
Contact:	CA STATE DEPT. OF PARKS & REC.
Contact address:	ONE CAPITAL MALL SUITE 410 SACRAMENTO, CA 95814
Contact country:	Not reported
Contact telephone:	707-584-1900
Contact email:	DONNAS@CVECORP.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CA STATE DEPT. OF PARKS & REC.
Owner/operator address:	ONE CAPITAL MALL SUITE 410 SACRAMENTO, CA 95814
Owner/operator country:	Not reported
Owner/operator telephone:	707-584-1900
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CA STATE DEPT. OF PARKS & REC.
Owner/operator address:	ONE CAPITAL MALL SUITE 410 CA STATE DEPT. OF PA, CA 95814
Owner/operator country:	Not reported
Owner/operator telephone:	707-584-1900
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CA STATE DEPT. OF PARKS & REC. (Continued) **1024757243**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

D20 **ROBT. LOUIS STEVENSON PARK** **UST** **U003114733**
Target **3801 SAINT HELENA HWY N** **N/A**
Property **CALISTOGA, CA**

Site 4 of 4 in cluster D

Actual: **322 ft.**
Focus Map: **6**

NAPA CO. UST:

Name:	ROBT. LOUIS STEVENSON PARK
Address:	3801 SAINT HELENA HWY N
City,State,Zip:	CALISTOGA, CA 94515
Facility ID:	Not reported
Permit ID:	4560
Facility Status:	Closed
Permit Type:	UST
District:	3
Num of Tanks:	Not reported

Name:	ROBT. LOUIS STEVENSON PARK
Address:	3801 SAINT HELENA HWY N
City,State,Zip:	CALISTOGA
Facility ID:	NAPA0665
Permit ID:	Not reported
Facility Status:	Not reported
Permit Type:	Not reported
District:	Not reported
Num of Tanks:	0

Name:	ROBT. LOUIS STEVENSON PARK
Address:	3801 SAINT HELENA HWY N
City,State,Zip:	CALISTOGA
Facility ID:	NAPA0665
Permit ID:	Not reported
Facility Status:	Not reported
Permit Type:	Not reported
District:	Not reported
Num of Tanks:	0

Name:	ROBT. LOUIS STEVENSON PARK
Address:	3801 SAINT HELENA HWY N
City,State,Zip:	CALISTOGA
Facility ID:	Not reported
Permit ID:	Not reported
Facility Status:	Not reported
Permit Type:	Not reported
District:	Not reported
Num of Tanks:	Not reported

ROBT. LOUIS STEVENSON PARK (Continued) **U003114733**

Name: ROBT. LOUIS STEVENSON PARK
Address: 3801 SAINT HELENA HWY N
City,State,Zip: CALISTOGA
Facility ID: Not reported
Permit ID: Not reported
Facility Status: Not reported
Permit Type: Not reported
District: Not reported
Num of Tanks: Not reported

E21 **COLLINS FAMILY VINEYARDS, LLC** **CERS** **S121772286**
Target **3486 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 1 of 8 in cluster E

Actual: **299 ft.**

Focus Map: **10**

CERS:
Name: COLLINS FAMILY VINEYARDS, LLC
Address: 3486 SAINT HELENA HWY N
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 390332
CERS ID: 10170821
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 390332
Site Name: COLLINS FAMILY VINEYARDS, LLC
Violation Date: 06-15-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 06/15/2016. TWO 500-GAL PROPANE TANKS AND TWO 55-GAL MOTOR OIL DRUMS WERE DISCOVERED DURING INSPECTION THAT WERE NOT REPORTED IN INVENTORY. CORRECTED ON SITE. Complete and/or submit hazardous material inventory forms for all reportabl
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 390332
Site Name: COLLINS FAMILY VINEYARDS, LLC
Violation Date: 06-15-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 09/27/2016. DOCUMENTION FOR EMPLOYEE TRAINING WAS NOT AVAILABLE FOR INSPECTION. Include and submit provisions in the business plan to ensure that appropriate personnel receive initial and annual training.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

COLLINS FAMILY VINEYARDS, LLC (Continued) **S121772286**

Site ID:	390332
Site Name:	COLLINS FAMILY VINEYARDS, LLC
Violation Date:	06-15-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 06/15/2016. HMBP WAS LAST SUBMITTED IN 2013. CORRECTED ON SITE. Complete and/or electronically submit a Hazardous Materials Business Plan t
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-15-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Peter J Collins
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Peter J Collins
Entity Title:	Not reported
Affiliation Address:	3486 Saint Helena Hwy N
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

COLLINS FAMILY VINEYARDS, LLC (Continued) **S121772286**

Affiliation Type Desc:	Property Owner
Entity Name:	Collins Family Vineyards, LLC
Entity Title:	Not reported
Affiliation Address:	3486 Saint Helena Hwy N
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 963-3945

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3486 Saint Helena Hwy N
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Peter J Collins
Entity Title:	Managing member
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Peter J. Collins
Entity Title:	Not reported
Affiliation Address:	3486 Saint Helena Hwy N
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 963-3945

Affiliation Type Desc:	Operator
Entity Name:	Peter J. Collins
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 337-8640

Affiliation Type Desc:	Parent Corporation
Entity Name:	COLLINS, W.D.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

COLLINS FAMILY VINEYARDS, LLC (Continued) **S121772286**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

E22 **COLLINS VINEYARD** **HIST UST** **U001598278**
Target **3486 N ST HELENA HWY** **N/A**
Property **ST HELENA, CA 94574**

Site 2 of 8 in cluster E

Actual: **299 ft.**
HIST UST:

Name:	COLLINS VINEYARD
Address:	3486 N ST HELENA HWY
City,State,Zip:	ST HELENA, CA 94574
File Number:	0001F029
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F029.pdf
Region:	STATE
Facility ID:	00000039138
Facility Type:	Other
Other Type:	FARM
Contact Name:	ARNOLD ROJAS
Telephone:	7079633945
Owner Name:	WM. D. & K.K. COLLINS
Owner Address:	3486 N. ST. HELENA HWY
Owner City,St,Zip:	ST. HELENA, CA 94574
Total Tanks:	0001
Tank Num:	001
Container Num:	SH-1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

Focus Map: **10**

Click here for Geo Tracker PDF:

E23 **COLLINS, W.D.** **FINDS** **1016431984**
Target **3486 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 3 of 8 in cluster E

Actual: **299 ft.**
FINDS:

Focus Map: **10**

Registry ID: 110055835985

Environmental Interest/Information System
STATE MASTER

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

E24 **COLLINS FAMILY VINEYARDS, LLC** **AST** **A100418948**
Target **3486 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 4 of 8 in cluster E

Actual: **299 ft.**
Focus Map: **10**

AST:

Name:	COLLINS FAMILY VINEYARDS, LLC
Address:	3486 SAINT HELENA HWY N
City/Zip:	SAINT HELENA,94574
Certified Unified Program Agencies:	Not reported
Owner:	W.D. Collins, Jr.
Total Gallons:	Not reported
CERSID:	10170821
Facility ID:	Not reported
Business Name:	COLLINS, W.D.
Phone:	707 963-3945
Fax:	Not reported
Mailing Address:	3486 Saint Helena Hwy N
Mailing Address City:	Saint Helena
Mailing Address State:	CA
Mailing Address Zip Code:	94574
Operator Name:	W.D. Collins, Jr.
Operator Phone:	707 963-3945
Owner Phone:	707 963-3945
Owner Mail Address:	3486 Saint Helena Hwy N
Owner State:	CA
Owner Zip Code:	94574
Owner Country:	United States
Property Owner Name:	W.D. Collins, Jr.
Property Owner Phone:	707 963-3945
Property Owner Mailing Address:	3486 Saint Helena Hwy N
Property Owner City:	Saint Helena
Property Owner Stat :	CA
Property Owner Zip Code:	94574
Property Owner Country:	United States
EPAID:	Not reported

E25 **COLLINS VINEYARD** **SWEEPS UST** **S106924807**
Target **3486 N ST HELENA HWY** **N/A**
Property **SAINT HELENA, CA 94574**

Site 5 of 8 in cluster E

Actual: **299 ft.**
Focus Map: **10**

SWEEPS UST:

Name:	COLLINS VINEYARD
Address:	3486 N ST HELENA HWY
City:	SAINT HELENA
Status:	Active
Comp Number:	39138
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	SH-1
SWRCB Tank Id:	28-000-039138-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	07-01-85

COLLINS VINEYARD (Continued) **S106924807**

Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

E26 **AIDA VINEYARD** **FINDS** **1016428076**
Target **3480 ST. HELENA HWY** **N/A**
Property **SAINT HELENA, CA 94574**

Site 6 of 8 in cluster E

Actual: 303 ft.

FINDS:

Focus Map: 10

Registry ID: 110055782032

Environmental Interest/Information System
STATE MASTER

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

E27 **AIDA VINEYARD** **CERS** **S121770760**
Target **3480 ST. HELENA HWY** **N/A**
Property **SAINT HELENA, CA 94574**

Site 7 of 8 in cluster E

Actual: 303 ft.

CERS:

Focus Map: 10

Name: AIDA VINEYARD
Address: 3480 ST. HELENA HWY
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 384344
CERS ID: 10170305
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 384344
Site Name: AIDA VINEYARD
Violation Date: 11-05-2013
Citation: HSC 6.95 25510 - California Health and Safety Code, Chapter 6.95, Section(s) 25510
Violation Description: Failure to update hazardous material inventory within 30 days when one of the following occurs: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/05/2013. Observed there are three propane tanks at this vineyard. Please update the submitted inventory form.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2017
Violations Found: No

AIDA VINEYARD (Continued) **S121770760**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Stan Zervas
Entity Title: Not reported
Affiliation Address: 390 Taylor Street
Affiliation City: Napa
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94559
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: AIDA VINEYARD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Stan Zervas
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Vineyard 29 LLC
Entity Title: Not reported
Affiliation Address: P.O. Box 93
Affiliation City: St. Helena
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94574
Affiliation Phone: (707) 963-9292

Affiliation Type Desc: CUPA District

AIDA VINEYARD (Continued) **S121770760**

Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	390 Taylor Street
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Stan Zervas
Entity Title:	Viticulturist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Silverado Farming Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 225-7215

F28 **PRIEST RANCH REFUSE DUMP** **FINDS** **1006839564**
Target **3460 128 HWY** **N/A**
Property **SAINT HELENA, CA 94574**

Site 1 of 2 in cluster F

Actual: 319 ft.

FINDS:

Focus Map: 10

Registry ID: 110014005986

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

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

F29 **PRIEST RANCH REFUSE DUMP** **CERS** **S123528536**
Target **3460 128 HWY** **N/A**
Property **SAINT HELENA, CA 94574**

Site 2 of 2 in cluster F

Actual: **319 ft.**
Focus Map: **10**

CERS:
Name: PRIEST RANCH REFUSE DUMP
Address: 3460 128 HWY
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 488104
CERS ID: 110014005986
CERS Description: US EPA Air Emission Inventory System (EIS)

---

30 **SCHOENSTEIN VINEYARDS** **HAZNET** **S118206713**
Target **3414 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Actual: **351 ft.**
Focus Map: **10**

HAZNET:
Name: SCHOENSTEIN VINEYARDS
Address: 3414 SAINT HELENA HWY N
Address 2: Not reported
City,State,Zip: SAINT HELENA, CA 945749710
Year: 2014
Gepaid: CAC002766660
Contact: RICHARD SCHOENSTEIN
Telephone: 7072922184
Mailing Name: Not reported
Mailing Address: 3 VOSS PARK CIR
Gen County: 28
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
TSD EPA ID: CAD059494310
TSD County: 43
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3

Name: SCHOENSTEIN VINEYARDS
Address: 3414 SAINT HELENA HWY N
Address 2: Not reported
City,State,Zip: SAINT HELENA, CA 945749710
Year: 2014
Gepaid: CAC002766660
Contact: RICHARD SCHOENSTEIN
Telephone: 7072922184
Mailing Name: Not reported
Mailing Address: 3 VOSS PARK CIR
Gen County: 28
Waste Category: Unspecified organic liquid mixture
TSD EPA ID: CAD059494310
TSD County: 43
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1

Name: SCHOENSTEIN VINEYARDS
Address: 3414 SAINT HELENA HWY N
Address 2: Not reported
City,State,Zip: SAINT HELENA, CA 945749710
Year: 2014

SCHOENSTEIN VINEYARDS (Continued) **S118206713**

Gepaid:	CAC002766660
Contact:	RICHARD SCHOENSTEIN
Telephone:	7072922184
Mailing Name:	Not reported
Mailing Address:	3 VOSS PARK CIR
Gen County:	28
Waste Category:	Other organic solids
TSD EPA ID:	CAD059494310
TSD County:	43
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.025

---

31 **ALLORA VINEYARDS** **FINDS** **1023244541**
Target **3244 EHLERS LN** **N/A**
Property **SAINT HELENA, CA 94574**

FINDS:

Actual: 267 ft.

Registry ID: 110065327355

Focus Map: 11

Environmental Interest/Information System
STATE MASTER

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

G32 **EHLERS ESTATE** **FINDS** **1023300914**
Target **3222 EHLERS LN** **ECHO** **N/A**
Property **SAINT HELENA, CA 94574**

Site 1 of 4 in cluster G

Actual: 268 ft.

FINDS:

Focus Map: 11

Registry ID: 110065929883

Environmental Interest/Information System
STATE MASTER

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

ECHO:

Envid:	1023300914
Registry ID:	110065929883
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110065929883

G33 **LAURA DIAZ MUNOZ** **NPDES** **S121772819**
Target **3222 EHLERS LANE** **PEST LIC** **N/A**
Property **SAINT HELENA, CA 94574** **CIWQS**
CERS

Site 2 of 4 in cluster G

Actual:
268 ft.

Focus Map:
11

NPDES:

Name:	EHLERS ESTATE
Address:	3222 EHLERS LANE
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	508016
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 28I028162
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/13/2019
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	3222 Ehlers Lane
Discharge Name:	Ehlers Estate
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	EHLERS ESTATE
Address:	3222 EHLERS LANE
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 28I028162
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

LAURA DIAZ MUNOZ (Continued) **S121772819**

Status:	Active
Status Date:	05/13/2019
Operator Name:	Ehlers Estate
Operator Address:	3222 Ehlers Lane
Operator City:	Saint Helena
Operator State:	California
Operator Zip:	94574

PEST LIC:

Name:	LAURA DIAZ MUNOZ
Address:	3222 EHLERS LANE
City,State,Zip:	SAINT HELENA, CA 94574
Facility Type:	QAL
Categories:	P
License No:	150147
Issued or Renewed Date:	01/01/2019
Expiration Date:	12/31/2020

CIWQS:

Name:	EHLERS ESTATE
Address:	3222 EHLERS LANE
City,State,Zip:	SAINT HELENA, CA 94574
Agency:	Ehlers Estate
Agency Address:	3222 Ehlers Lane, Saint Helena , CA 94574
Place/Project Type:	Industrial - Wines, Brandy, and Brandy Spirits
SIC/NAICS:	2084
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 28I028162
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	05/13/2019
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.53188
Longitude:	-122.49815

CERS:

Name:	EHLERS ESTATE
Address:	3222 EHLERS LN
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	392060
CERS ID:	10171019
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	392060

LAURA DIAZ MUNOZ (Continued) **S121772819**

Site Name: EHLERS ESTATE
Violation Date: 09-26-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 10/23/2018. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years. Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 392060
Site Name: EHLERS ESTATE
Violation Date: 09-24-2015
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 10/13/2015. EMPLOYEE TRAINING IS OCCURING. PLEASE EMPHASIZE ON HAZARDOUS MATERIAL BUSINESS PLAN AND KEEP RECORD OF THAT.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Employee training has not been completed for 2018 and no records for previous 3 years. Training to be completed and records to be emailed shortly.
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP

LAURA DIAZ MUNOZ (Continued) **S121772819**

Eval Source: CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

Affiliation Type Desc:	Identification Signer
Entity Name:	Maureen Key
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3222 Ehlers Lane
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Ehlers Estate
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 963-5972

Affiliation Type Desc:	Environmental Contact
Entity Name:	Laura Diaz Munoz
Entity Title:	Not reported
Affiliation Address:	3222 Ehlers Lane
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	New Vavin, Inc.
Entity Title:	Not reported
Affiliation Address:	12007 Martingale Court

LAURA DIAZ MUNOZ (Continued) **S121772819**

Affiliation City:	Culpeper
Affiliation State:	VA
Affiliation Country:	United States
Affiliation Zip:	22701
Affiliation Phone:	(707) 963-5972
Affiliation Type Desc:	Parent Corporation
Entity Name:	EHLER'S ESTATE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

G34 **EHLERS ESTATE WINERY** **CIWQS** **S121636253**
Target **3222 EHLERS LN** **N/A**
Property **SAINT HELENA, CA**

Site 3 of 4 in cluster G

Actual: **268 ft.**
Focus Map: **11**

CIWQS:

Name:	EHLERS ESTATE WINERY
Address:	3222 EHLERS LN
City,State,Zip:	SAINT HELENA, CA
Agency:	New Vain Inc
Agency Address:	3222 Ehlers Ln, Saint Helena, CA 94574
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	5S
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	5S28C339073
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/17/2006
Termination Date:	09/02/2010
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

G35 **EHLERS ESTATE** **CERS** **S124439452**
Target **3222 EHLERS LANE** **N/A**
Property **SAINT HELENA, CA 94574**

Site 4 of 4 in cluster G

Actual: **268 ft.**
Focus Map: **11**

CERS:
Name: EHLERS ESTATE
Address: 3222 EHLERS LANE
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 531168
CERS ID: 872036
CERS Description: Industrial Facility Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Ehlers Estate
Entity Title: Operator
Affiliation Address: 3222 Ehlers Lane
Affiliation City: Saint Helena
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

H36 **TRINCHERO WINERY** **FINDS** **1016420364**
Target **3070 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 1 of 2 in cluster H

Actual: **285 ft.**
Focus Map: **13**

FINDS:

Registry ID: 110055675112

Environmental Interest/Information System
STATE MASTER

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

H37 **TRINCHERO WINERY** **CERS** **S121748610**
Target **3070 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 2 of 2 in cluster H

Actual: **285 ft.**
Focus Map: **13**

CERS:
Name: TRINCHERO WINERY
Address: 3070 SAINT HELENA HWY N
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 163461
CERS ID: 10172459
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 163461
Site Name: TRINCHERO WINERY

TRINCHERO WINERY (Continued) **S121748610**

Violation Date:	02-22-2019
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 02/23/2019. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-13-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Formula 3007 and 5307 water treatment chemicals on site to be reported on CERS.
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

Affiliation Type Desc:	Parent Corporation
Entity Name:	SUTTER HOME WINERY INC.

TRINCHERO WINERY (Continued) **S121748610**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Lindy Burton
Entity Title:	Not reported
Affiliation Address:	100 So. St. Helena Hwy.
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	SUTTER HOME WINERY INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 963-3104
Affiliation Type Desc:	Document Preparer
Entity Name:	Lindy Burton
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	SUTTER HOME WINERY
Entity Title:	Not reported
Affiliation Address:	P.O. Box 248
Affiliation City:	Sain Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 963-3104
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	100 So. St. Helena Hwy.
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

TRINCHERO WINERY (Continued) **S121748610**

Affiliation Type Desc:	Identification Signer
Entity Name:	Lindy Burton
Entity Title:	Health & Safety Compliance Coordinator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Sutter Home Winery Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 248
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 963-3104

I38 **MONITORING STATION** **FINDS** **1007999609**
Target **3022 ST HELENA HWY** **N/A**
Property **NAPA, CA 94558**

Site 1 of 8 in cluster I

Actual: **310 ft.**

Focus Map: **13**

FINDS:

Registry ID: 110020817696

Environmental Interest/Information System
US EPA Air Quality System (AQS) contains ambient air pollution data collected by EPA, State, Local, and Tribal air pollution control agencies from thousands of monitoring stations.

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

I39 **MONITORING STATION** **CERS** **S123527558**
Target **3022 ST HELENA HWY** **N/A**
Property **NAPA, CA 94558**

Site 2 of 8 in cluster I

Actual: **310 ft.**

Focus Map: **13**

CERS:

Name:	MONITORING STATION
Address:	3022 ST HELENA HWY
City,State,Zip:	NAPA, CA 94558
Site ID:	481514
CERS ID:	110020817696
CERS Description:	US EPA Air Emission Inventory System (EIS)

I40 **FREEMARK ABBEY WINERY** **FINDS** **1016433350**
Target **3022 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 3 of 8 in cluster I

Actual: **305 ft.**

FINDS:

Focus Map: **13**

Registry ID: 110055854142

Environmental Interest/Information System
STATE MASTER

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

I41 **FREEMARK ABBEY WINERY** **CERS** **S123508690**
Target **3022 ST. HELENA HIGHWAY** **N/A**
Property **ST. HELENA, CA 94574**

Site 4 of 8 in cluster I

Actual: **305 ft.**

CERS:

Focus Map: **13**

Name:	FREEMARK ABBEY WINERY
Address:	3022 ST. HELENA HIGHWAY
City,State,Zip:	ST. HELENA, CA 94574
Site ID:	31679
CERS ID:	10171099
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-06-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	31679
Facility Name:	FREEMARK ABBEY WINERY
Env Int Type Code:	HMBP
Program ID:	10171099
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	38.524950
Longitude:	-122.497430

FREEMARK ABBEY WINERY (Continued) **S123508690**

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Gilberto Bravo
Entity Title:	Not reported
Affiliation Address:	PO Box 328
Affiliation City:	Oakville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94562
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	421 Aviation Boulevard
Affiliation City:	Santa Rosa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95403
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Luke Henderson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Freemark Abbey Winery
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Owner and Operator
Entity Name:	Freemark Abbey Winery .. (CWMS member)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA

FREEMARK ABBEY WINERY (Continued) **S123508690**

Affiliation Country: Not reported
Affiliation Zip: 94559
Affiliation Phone: (707) 253-4417

Affiliation Type Desc: Identification Signer
Entity Name: Luke Henderson
Entity Title: Property Maintenance Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Jackson Family Wines
Entity Title: Not reported
Affiliation Address: 421 Aviation Blvd
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95403
Affiliation Phone: (707) 544-4000

Affiliation Type Desc: Operator
Entity Name: Jackson Family Wines
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (707) 544-4000

Affiliation Type Desc: Property Owner
Entity Name: JACKSON FAMILY WINES
Entity Title: Not reported
Affiliation Address: 421 Aviation Blvd
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95403
Affiliation Phone: (707) 544-4000

Name: FREEMARK ABBEY WINERY
Address: 3022 ST. HELENA HIGHWAY
City,State,Zip: ST. HELENA, CA 94574
Site ID: 31679
CERS ID: 762776
CERS Description: Waste Discharge Requirements

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

FREEMARK ABBEY WINERY (Continued) **S123508690**

Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 31679
Facility Name: FREEMARK ABBEY WINERY
Env Int Type Code: HMBP
Program ID: 10171099
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.524950
Longitude: -122.497430

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Gilberto Bravo
Entity Title: Not reported
Affiliation Address: PO Box 328
Affiliation City: Oakville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94562
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 421 Aviation Boulevard
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95403
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Luke Henderson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Freemark Abbey Winery

FREEMARK ABBEY WINERY (Continued) **S123508690**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Owner and Operator
Entity Name:	Freemark Abbey Winery .. (CWMS member)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417
Affiliation Type Desc:	Identification Signer
Entity Name:	Luke Henderson
Entity Title:	Property Maintenance Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Jackson Family Wines
Entity Title:	Not reported
Affiliation Address:	421 Aviation Blvd
Affiliation City:	Santa Rosa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95403
Affiliation Phone:	(707) 544-4000
Affiliation Type Desc:	Operator
Entity Name:	Jackson Family Wines
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 544-4000

FREEMARK ABBEY WINERY (Continued) **S123508690**

Affiliation Type Desc:	Property Owner
Entity Name:	JACKSON FAMILY WINES
Entity Title:	Not reported
Affiliation Address:	421 Aviation Blvd
Affiliation City:	Santa Rosa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95403
Affiliation Phone:	(707) 544-4000

I42 **FREEMARK ABBEY WINERY** **WDS** **S106101894**
Target **3022 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 5 of 8 in cluster I

Actual: **305 ft.**
Focus Map: **13**

WDS:

Name:	FREEMARK ABBEY WINERY
Address:	3022 Saint Helena Hwy N
City:	SAINT HELENA
Facility ID:	San Francisco Bay 28I016546
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	7072861542
Facility Contact:	TIM BELL
Agency Name:	LEGACY EST
Agency Address:	PO Box 410
Agency City,St,Zip:	Saint Helena 945740410
Agency Contact:	TED EDWARDS
Agency Telephone:	7079639694
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher

FREEMARK ABBEY WINERY (Continued) **S106101894**

Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

I43 **FREEMARK ABBEY WINERY** **CIWQS** **S121639792**
Target Property **3022 ST. HELENA HWY N** **N/A**
NAPA (County), CA 94574

Site 6 of 8 in cluster I

Actual: **305 ft.**
Focus Map: **13**

CIWQS:

Name:	FREEMARK ABBEY WINERY
Address:	3022 ST. HELENA HWY N
City,State,Zip:	CA 94574
Agency:	Legacy Estate
Agency Address:	PO Box 410, Saint Helena, CA 94574
Place/Project Type:	Industrial - Wines, Brandy, and Brandy Spirits
SIC/NAICS:	2084
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 28I016546
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	05/30/2001
Termination Date:	07/12/2008
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.52468
Longitude:	-122.49732

Name:	FREEMARK ABBEY WINERY
Address:	3022 ST. HELENA HWY N
City,State,Zip:	CA 94574
Agency:	Freemark Abbey Winery
Agency Address:	PO Box 410, Saint Helena, CA 94574
Place/Project Type:	Industrial - Wines, Brandy, and Brandy Spirits
SIC/NAICS:	2084
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 28I004316
NPDES Number:	CAS000001
Adoption Date:	Not reported

FREEMARK ABBEY WINERY (Continued) **S121639792**

Effective Date:	04/06/1992
Termination Date:	06/15/2001
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.52468
Longitude:	-122.49732

I44 **FREEMARK ABBY WINERY INC** **HAZNET** **S112970757**
Target **3022 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 7 of 8 in cluster I

Actual: **305 ft.**
Focus Map: **13**

HAZNET:

Name:	FREEMARK ABBY WINERY INC
Address:	3022 SAINT HELENA HWY N
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945749652
Year:	2008
Gepaid:	CAC002631202
Contact:	MICHAEL IMBRIANI
Telephone:	7078362019
Mailing Name:	Not reported
Mailing Address:	1190 KITTYHAWK BLVD
Gen County:	28
Waste Category:	Asbestos containing waste
TSD EPA ID:	CAD982042475
TSD County:	48
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8

J45 **REVANA FAMILY VINEYARD** **CERS** **S121775351**
Target **2930 ST. HELENA HWY** **N/A**
Property **SAINT HELENA, CA 94574**

Site 1 of 5 in cluster J

Actual: **253 ft.**
Focus Map: **13**

CERS:

Name:	REVANA FAMILY VINEYARD
Address:	2930 ST. HELENA HWY
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	400661
CERS ID:	10172059
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	400661
Site Name:	REVANA FAMILY VINEYARD
Violation Date:	01-12-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

REVANA FAMILY VINEYARD (Continued) **S121775351**

Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 01/12/2016. Owner/Operator failed to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1. Owner/Operator shall submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-12-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Unaccompanied inspection. Consent granted by Luke McMullen of Barbour VM. Employee training documents were reviewed earlier this year at inspection of Barbour VM shop.
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Napa County Env Mgmt
Entity Title: Not reported
Affiliation Address: 1195 Third Street, Suite 210
Affiliation City: Napa
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94559
Affiliation Phone: (707) 253-4417

Affiliation Type Desc: Document Preparer
Entity Name: Tom Garrett
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

REVANA FAMILY VINEYARD (Continued) **S121775351**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Tom Garrett
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Barbour Vineyards Management
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Revana Family Partners, LP
Entity Title:	Not reported
Affiliation Address:	2930 ST. HELENA HWY
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 967-8814
Affiliation Type Desc:	Environmental Contact
Entity Name:	Rich Frederick
Entity Title:	Not reported
Affiliation Address:	2930 ST. HELENA HWY
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Revana Family Partners, LP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 967-8814
Affiliation Type Desc:	Property Owner
Entity Name:	Madaiah Revana
Entity Title:	Not reported
Affiliation Address:	2930 ST. HELENA HWY
Affiliation City:	SAINT HELENA

REVANA FAMILY VINEYARD (Continued) **S121775351**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 967-8814
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2930 ST. HELENA HWY
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

J46 **REVANA FAMILY PARTNERS LP** **NPDES S117846852**
Target **2930 ST HELENA HWY N** **CIWQS N/A**
Property **SAINT HELENA, CA 94574** **CERS**

Site 2 of 5 in cluster J

Actual: **249 ft.**

Focus Map: **13**

NPDES:

Name:	REVANA FAMILY PARTNERS LP
Address:	2930 ST HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	455569
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 28I025495
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/27/2015
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2930 St Helena Hwy N
Discharge Name:	Revana Family Partners LP
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2

REVANA FAMILY PARTNERS LP (Continued) **S117846852**

Regulatory Measure ID:	455569
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28I025495
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/27/2015
Processed Date:	05/27/2015
Status:	Active
Status Date:	05/27/2015
Place Size:	10000
Place Size Unit:	SqFt
Contact:	Richard Frederick
Contact Title:	Winemaker
Contact Phone:	707-967-8814
Contact Phone Ext:	203
Contact Email:	rich@revanawine.com
Operator Name:	Revana Family Partners LP
Operator Address:	2930 St Helena Hwy N
Operator City:	Saint Helena
Operator State:	California
Operator Zip:	94574
Operator Contact:	Richard Frederick
Operator Contact Title:	Winemaker
Operator Contact Phone:	707-967-8814
Operator Contact Phone Ext:	203
Operator Contact Email:	rich@revanawine.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported

REVANA FAMILY PARTNERS LP (Continued) **S117846852**

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	River
Certifier:	Richard Frederick
Certifier Title:	associate winemaker
Certification Date:	04-AUG-15
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	455569
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28I025495
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/27/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Revana Family Partners LP
Discharge Address:	2930 St Helena Hwy N
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported

REVANA FAMILY PARTNERS LP (Continued) **S117846852**

Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	REVANA FAMILY PARTNERS LP
Address:	2930 ST HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 28I025495
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

REVANA FAMILY PARTNERS LP (Continued) **S117846852**

Status:	Active
Status Date:	05/27/2015
Operator Name:	Revana Family Partners LP
Operator Address:	2930 St Helena Hwy N
Operator City:	Saint Helena
Operator State:	California
Operator Zip:	94574

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	455569
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28I025495
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/27/2015
Processed Date:	05/27/2015
Status:	Active
Status Date:	05/27/2015
Place Size:	10000
Place Size Unit:	SqFt
Contact:	Richard Frederick
Contact Title:	Winemaker
Contact Phone:	707-967-8814
Contact Phone Ext:	203
Contact Email:	rich@revanawine.com
Operator Name:	Revana Family Partners LP
Operator Address:	2930 St Helena Hwy N
Operator City:	Saint Helena
Operator State:	California
Operator Zip:	94574
Operator Contact:	Richard Frederick
Operator Contact Title:	Winemaker
Operator Contact Phone:	707-967-8814
Operator Contact Phone Ext:	203
Operator Contact Email:	rich@revanawine.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported

REVANA FAMILY PARTNERS LP (Continued) **S117846852**

Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	River
Certifier:	Richard Frederick
Certifier Title:	associate winemaker
Certification Date:	04-AUG-15
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	455569
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28I025495
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/27/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Revana Family Partners LP
Discharge Address:	2930 St Helena Hwy N
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported

REVANA FAMILY PARTNERS LP (Continued) **S117846852**

Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	REVANA FAMILY PARTNERS LP
Address:	2930 ST HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Agency:	Revana Family Partners LP
Agency Address:	2930 St Helena Hwy N, Saint Helena, CA 94574
Place/Project Type:	Industrial - Wines, Brandy, and Brandy Spirits
SIC/NAICS:	2084
Region:	2
Program:	INDSTW

REVANA FAMILY PARTNERS LP (Continued) **S117846852**

Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 28I025495
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	05/27/2015
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.52098
Longitude:	-122.49277

CERS:

Name:	REVANA FAMILY PARTNERS LP
Address:	2930 ST HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	540751
CERS ID:	835662
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Revana Family Partners LP
Entity Title:	Operator
Affiliation Address:	2930 St Helena Hwy N
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

J47 **REVANA FAMILY WINERY** **CERS** **S121775352**
Target **2930 ST HELENA N HWY** **N/A**
Property **SAINT HELENA, CA 94574**

Site 3 of 5 in cluster J

Actual: **249 ft.**

Focus Map: **13**

CERS:

Name:	REVANA FAMILY WINERY
Address:	2930 ST HELENA N HWY
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	400662
CERS ID:	10172057
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	400662
Site Name:	REVANA FAMILY Winery
Violation Date:	05-24-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

REVANA FAMILY WINERY (Continued) **S121775352**

Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/24/2016. 175- GAL DIESEL TANK FOR FIRE SUPPRESSION SYSTEM AND 55-GAL GLYCOL DRUM WERE NOT REPORTED ON INVENTORY ON CERS. CORRECTED ON SITE. Complete and/or submit hazardous material inventory forms for all reportabl
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	400662
Site Name:	REVANA FAMILY Winery
Violation Date:	05-24-2016
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/24/2016. HMBP NOT SUBMITTED ON CERS FOR YEAR 2016 BY MARCH 1. CORRECTED ON SITE. Complete and/or electronically submit a Hazardous Materials Business Plan t
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	400662
Site Name:	REVANA FAMILY Winery
Violation Date:	05-24-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 05/31/2016. EMPLOYEE TRAINING IS OCCURING BUT RECORDS WERE NOT AVAILABLE FOR INSPECTION. Include and submit provisions in the business plan to ensure that appropriate personnel receive initial and annual training.
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	400662
Site Name:	REVANA FAMILY Winery
Violation Date:	05-24-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 05/24/2016. SITE MAP IS MISSING DIESEL TANK AND GLYCOL DRUM DISCOVERED DURING INSPECTION. CORRECTED ON SITE. Complete and/or submit an annotated site map that contains: North orientati
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS

REVANA FAMILY WINERY (Continued) **S121775352**

Evaluation:
- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 05-24-2016
- Violations Found: Yes
- Eval Type: Routine done by local agency
- Eval Notes: Not reported
- Eval Division: Napa County Department of Environmental Management
- Eval Program: HMRRP
- Eval Source: CERS

Affiliation:
- Affiliation Type Desc: Operator
- Entity Name: Revana Family Partners, LP
- Entity Title: Not reported
- Affiliation Address: Not reported
- Affiliation City: Not reported
- Affiliation State: Not reported
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: (707) 967-8814

- Affiliation Type Desc: Facility Mailing Address
- Entity Name: Mailing Address
- Entity Title: Not reported
- Affiliation Address: 2930 ST HELENA N HWY
- Affiliation City: SAINT HELENA
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 94574
- Affiliation Phone: Not reported

- Affiliation Type Desc: CUPA District
- Entity Name: Napa County Env Mgmt
- Entity Title: Not reported
- Affiliation Address: 1195 Third Street, Suite 210
- Affiliation City: Napa
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 94559
- Affiliation Phone: (707) 253-4417

- Affiliation Type Desc: Document Preparer
- Entity Name: Tom Garrett
- Entity Title: Not reported
- Affiliation Address: Not reported
- Affiliation City: Not reported
- Affiliation State: Not reported
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: Not reported

- Affiliation Type Desc: Environmental Contact
- Entity Name: Rich Frederick
- Entity Title: Not reported
- Affiliation Address: 2930 ST HELENA N HWY
- Affiliation City: SAINT HELENA

REVANA FAMILY WINERY (Continued) **S121775352**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Tom Garrett
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Revana Family Partners, LP
Entity Title:	Not reported
Affiliation Address:	5118 Tangle Lane
Affiliation City:	Houston
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	77056
Affiliation Phone:	(281) 543-3160
Affiliation Type Desc:	Parent Corporation
Entity Name:	REVANA FAMILY VINEYARD
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Madaiah Revana
Entity Title:	Not reported
Affiliation Address:	5118 Tangle Lane
Affiliation City:	Houston
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	77056
Affiliation Phone:	(281) 543-3160

J48 **REVANA FAMILY PARTNERS LP** **FINDS 1023697175**
Target **2930 ST HELENA HWY N** **ECHO N/A**
Property **SAINT HELENA, CA 94574**

Site 4 of 5 in cluster J

Actual: 249 ft.

FINDS:

Focus Map: 13

Registry ID: 110070094255

Environmental Interest/Information System
US National Pollutant Discharge Elimination System (NPDES) module of

REVANA FAMILY PARTNERS LP (Continued) **1023697175**

the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

ECHO:
Envid: 1023697175
Registry ID: 110070094255
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070094255

J49 **REVANA FAMILY WINERY** **FINDS** **1016437792**
Target Property **2930 ST HELENA N HWY** **N/A**
SAINT HELENA, CA 94574

Site 5 of 5 in cluster J

Actual: 249 ft.

Focus Map: 13

FINDS:
Registry ID: 110055915201

Environmental Interest/Information System
STATE MASTER

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

K50 **ST. CLEMENT VINEYARDS BANK STABILIZATION** **CERS** **S121768181**
Target Property **N/A**
, CA

Site 1 of 2 in cluster K

Actual: 242 ft.

Focus Map: 13

CERS:
Name: ST. CLEMENT VINEYARDS BANK STABILIZATION
Address: Not reported
City,State,Zip: CA
Site ID: 367732
CERS ID: 821778
CERS Description: Wetlands - Fill and Dredge Material

K51 **ST. CLEMENT VINEYARDS BANK STABILIZATION** **CIWQS** **S120035368**
Target Property **NAPA (County), CA** **N/A**

Site 2 of 2 in cluster K

Actual: **242 ft.**
Focus Map: **13**

CIWQS:

Name:	ST. CLEMENT VINEYARDS BANK STABILIZATION
Address:	Not reported
City,State,Zip:	CA
Agency:	Treasury Wine Estates
Agency Address:	2867 St. Helena Highway, St. Helena, CA 94574
Place/Project Type:	Dredge/Fill Site
SIC/NAICS:	Not reported
Region:	2
Program:	CERFILLEXC
Regulatory Measure Status:	Active
Regulatory Measure Type:	401 Certification
Order Number:	Not reported
WDID:	2 CW404545
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	03/09/2016
Termination Date:	Not reported
Expiration/Review Date:	03/09/2021
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.520249
Longitude:	-122.492409

L52 **C MONDAVI & SONS** **HAZNET** **S113030154**
Target Property **2800 ST HELENA HIGHWAY** **N/A**
SAINT HELENA, CA 94574

Site 1 of 9 in cluster L

Actual: **241 ft.**
Focus Map: **13**

HAZNET:

Name:	C MONDAVI & FAMILY
Address:	2800 ST HELENA HWY
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2015
Gepaid:	CAL000023627
Contact:	AJ PEREZ
Telephone:	7079672213
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
TSD EPA ID:	NED981723513
TSD County:	99
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.75
Name:	C MONDAVI & FAMILY
Address:	2800 ST HELENA HWY

C MONDAVI & SONS (Continued) **S113030154**

Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2015
Gepaid:	CAL000023627
Contact:	AJ PEREZ
Telephone:	7079672213
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Laboratory waste chemicals
TSD EPA ID:	UTD981552177
TSD County:	99
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.058
Name:	C MONDAVI & SONS
Address:	2800 ST HELENA HIGHWAY
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2010
Gepaid:	CAL000023627
Contact:	JEFF RICHARDSON V.P. OF OPTNS
Telephone:	7079672284
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Laboratory waste chemicals
TSD EPA ID:	NVD980895338
TSD County:	99
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00417
Name:	C MONDAVI & SONS
Address:	2800 ST HELENA HIGHWAY
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2010
Gepaid:	CAL000023627
Contact:	JEFF RICHARDSON V.P. OF OPTNS
Telephone:	7079672284
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Laboratory waste chemicals
TSD EPA ID:	NVD980895338
TSD County:	99
Disposal Method:	Chemical Reduction With Or Without Precipitation
Tons:	0.0005
Name:	C MONDAVI & SONS
Address:	2800 ST HELENA HIGHWAY
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2010
Gepaid:	CAL000023627
Contact:	JEFF RICHARDSON V.P. OF OPTNS

C MONDAVI & SONS (Continued) **S113030154**

Telephone:	7079672284
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Asbestos containing waste
TSD EPA ID:	CAD982042475
TSD County:	48
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	3.2
Name:	C MONDAVI & SONS
Address:	2800 ST HELENA HIGHWAY
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2010
Gepaid:	CAL000023627
Contact:	JEFF RICHARDSON V.P. OF OPTNS
Telephone:	7079672284
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
TSD EPA ID:	CAD980887418
TSD County:	01
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.56375
Name:	C MONDAVI & SONS
Address:	2800 ST HELENA HIGHWAY
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2010
Gepaid:	CAL000023627
Contact:	JEFF RICHARDSON V.P. OF OPTNS
Telephone:	7079672284
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Laboratory waste chemicals
TSD EPA ID:	CAD980887418
TSD County:	01
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00834
Name:	C MONDAVI & SONS
Address:	2800 ST HELENA HIGHWAY
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2010
Gepaid:	CAL000023627
Contact:	JEFF RICHARDSON V.P. OF OPTNS
Telephone:	7079672284
Mailing Name:	Not reported
Mailing Address:	PO BOX 191

C MONDAVI & SONS (Continued) **S113030154**

Gen County: 28
Waste Category: Unspecified oil-containing waste
TSD EPA ID: CAD980887418
TSD County: 01
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Name: C MONDAVI & FAMILY
Address: 2800 ST HELENA HWY
Address 2: Not reported
City,State,Zip: SAINT HELENA, CA 945740000
Year: 2016
Gepaid: CAL000023627
Contact: AJ PEREZ
Telephone: 7079672213
Mailing Name: Not reported
Mailing Address: PO BOX 191
Gen County: 28
Waste Category: Liquids with pH <= 2
TSD EPA ID: ARD069748192
TSD County: 99
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.1251

Name: C MONDAVI & FAMILY
Address: 2800 ST HELENA HWY
Address 2: Not reported
City,State,Zip: SAINT HELENA, CA 945740000
Year: 2016
Gepaid: CAL000023627
Contact: AJ PEREZ
Telephone: 7079672213
Mailing Name: Not reported
Mailing Address: PO BOX 191
Gen County: 28
Waste Category: Off-specification, aged or surplus organics
TSD EPA ID: ARD981057870
TSD County: 99
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.726

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Name: C MONDAVI & FAMILY
Address: 2800 ST HELENA HWY
Address 2: Not reported
City,State,Zip: SAINT HELENA, CA 945740000
Year: 2016
Gepaid: CAL000023627
Contact: AJ PEREZ
Telephone: 7079672213
Mailing Name: Not reported
Mailing Address: PO BOX 191
Gen County: 28
Waste Category: Off-specification, aged or surplus organics

C MONDAVI & SONS (Continued) **S113030154**

TSD EPA ID: ARD981057870
TSD County: 99
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.363

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

L53 **C. MONDAVI & SONS** **HAZNET** **S112840542**
Target **2800 ST HELENA HWY** **N/A**
Property **SAINT HELENA, CA 94574**

Site 2 of 9 in cluster L

Actual: **241 ft.**
Focus Map: **13**

HAZNET:
Name: C. MONDAVI & SONS
Address: 2800 ST HELENA HWY
Address 2: Not reported
City,State,Zip: SAINT HELENA, CA 945740000
Year: 1994
Gepaid: CAC000725608
Contact: PHILLIP LAMBERT, MSTR
Telephone: 7079632761
Mailing Name: Not reported
Mailing Address: P O BOX 191
Gen County: 28
Waste Category: Asbestos containing waste
TSD EPA ID: CAL000027741
TSD County: 05
Disposal Method: Disposal, Land Fill
Tons: 3.7926

L54 **CWMS WWTP (AT MARKHAM VINEYARDS)** **FINDS** **1023303937**
Target **2812 ST HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 3 of 9 in cluster L

Actual: **241 ft.**
Focus Map: **13**

FINDS:
Registry ID: 110065962729

Environmental Interest/Information System
STATE MASTER

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

L55 Target Property | **MARKHAM VINEYARDS**
2812 SAINT HELENA HWY N
SAINT HELENA, CA 94574 | **CERS HAZ WASTE**
WDS
CERS | **S106101824**
N/A

Site 4 of 9 in cluster L

Actual: 241 ft.

Focus Map: 13

CERS HAZ WASTE:

Name:	MARKHAM VINEYARDS
Address:	2812 SAINT HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	397134
CERS ID:	10171525
CERS Description:	Hazardous Waste Generator

Name:	MARKHAM VINEYARDS
Address:	2812 SAINT HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	397134
CERS ID:	10171525
CERS Description:	Hazardous Chemical Management

WDS:

Name:	MARKHAM VINEYARDS
Address:	2812 Saint Helena Hwy N
City:	SAINT HELENA
Facility ID:	San Francisco Bay 28I003333
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	7079635292
Facility Contact:	BRYAN DELBONDIO
Agency Name:	MARKHAM VINEYARDS
Agency Address:	PO Box 636
Agency City,St,Zip:	Hayward 945430636
Agency Contact:	BRYAN DELBONDIO
Agency Telephone:	7079639577
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order

MARKHAM VINEYARDS (Continued) **S106101824**

should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CERS:
Name: MARKHAM VINEYARDS
Address: 2812 SAINT HELENA HWY N
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 397134
CERS ID: 10171525
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: 19 CCR 4.5 2755.4(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.4(b)
Violation Description: Failure to provide refresher training at least every three years, and more often if necessary, to each employee operating a process to ensure that the employee understands and adheres to the current operating procedures of the process.
Violation Notes: Returned to compliance on 05/15/2017. The owner/operator failed to provide refresher training at least every three years, and more often if necessary, to each employee operating a process to ensure that the employee understands and adheres to the current operating procedures of the process. Submit documentation to the CUPA demonstrating that each employee operating a process has received refresher training.
Violation Division: Napa County Department of Environmental Management
Violation Program: CalARP
Violation Source: CERS

Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/15/2017. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or

MARKHAM VINEYARDS (Continued) **S106101824**

a substantial change in the handler's operations that requires modification to any portion of the business plan. Observed aqueous ammonia, glycol, CO2(Cryo), and diesel n reportable quantities. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.

Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: 19 CCR 4.5 2755.2(f) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(f)
Violation Description: Failure to update and revalidate the hazard review whenever a major change in the process occurs.
Violation Notes: Returned to compliance on 06/16/2017. The owner/operator failed to update and revalidate the hazard review resulting from a major change in the process. Update the hazard review and submit a copy to the CUPA.
Violation Division: Napa County Department of Environmental Management
Violation Program: CalARP
Violation Source: CERS

Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: 19 CCR 4.5 2755.5(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(a)
Violation Description: Failure to prepare and implement written procedures to maintain the on-going mechanical integrity of the process equipment.
Violation Notes: Returned to compliance on 06/06/2017. The owner/operator failed to prepare and implement written procedures to maintain the on-going mechanical integrity of the process equipment. Peak Performance conducts the inspections. Add written instructions to the facility's RMP. A vendor checklist was provided but the results of the inspection need to be documented. Prepare and implement written procedures to maintain the on-going mechanical integrity of the process equipment and submit a copy to the CUPA.
Violation Division: Napa County Department of Environmental Management
Violation Program: CalARP
Violation Source: CERS

Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: 19 CCR 4.5 2755.4(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.4(a)
Violation Description: Failure to ensure that each employee presently operating a process, and each employee newly assigned to a covered process has been trained or tested competent in the operating procedures provided in Section 2755.3 that pertain to their duties.
Violation Notes: Returned to compliance on 03/16/2017. The owner/operator failed to ensure that each employee presently operating a process, and each employee newly assigned to a covered process has been trained or tested competent in the operating procedures provided in Section 2755.3 that pertain to their duties. Submit documentation to the CUPA

MARKHAM VINEYARDS (Continued) **S106101824**

demonstrating that each employee presently operating a process, and each employee newly assigned to a covered process has been trained or tested competent in the operating procedures that pertain to their duties.

Violation Division: Napa County Department of Environmental Management
Violation Program: CalARP
Violation Source: CERS

Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 03/20/2017. Facility does not have written waste handling procedures. Immediately provide training to all employees who handle hazardous waste an
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: 19 CCR 4.5 2755.2(f) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(f)
Violation Description: Failure to update and revalidate the hazard review at least once every 5 years.
Violation Notes: Returned to compliance on 06/16/2017. The owner/operator failed to update and revalidate the hazard review at least once every 5 years. The owner/operator failed to update and revalidate the hazard review at least once every 5 years. The last PHA on files is from 2003. The system underwent a major change in 2009 that eliminated two ammonia pumps that were replaced with plate/frame heat exchangers, ammonia piping removed from roof, and airhandlers converted from ammonia to glycol. Update and revalidate the hazard review and submit a copy to the CUPA.
Violation Division: Napa County Department of Environmental Management
Violation Program: CalARP
Violation Source: CERS

Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/20/2017. Observed 5 gallon containers of used oil unlabeled. All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical

MARKHAM VINEYARDS (Continued) **S106101824**

state; 5) composition (contents); 6) accumulation start date. Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.

Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/20/2017. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Submit updated map with showing the locations of the diesel, aqueous ammonia, carbon dioxide (cryo), and glycol. Complete or update site map(s) with all required content and electronically submit in CERS.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 397134
Site Name: MARKHAM VINEYARDS
Violation Date: 02-15-2017
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes: Returned to compliance on 03/21/2017. The owner or operator shall inspect areas used for container storage or transfer, at least weekly, looking for leaking containers and for deterioration of containers and the containment system caused by corrosion and other factors. Immediately begin conducting the necessary weekly inspections for all hazardous waste containers at this facility.
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility is conducting annual and semi-annual training in chemical handling, evacuations, ammonia response. Be sure to include all elements of the Emergency Response and Contingency Plan.
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

MARKHAM VINEYARDS (Continued) **S106101824**

Eval Date: 02-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Requirement: Per the operator, the ammonia sensors may not be applicable for outdoor use. The sensors were set to alarm at 1000 ppm and warn at 2000 ppm. The alarm set points were lowered during the inspection. Determine if these are the correct sensors for the use by March 15, 2017. Requirement: If the sensors are triggered, there is currently no way to alert people inside the facility as the sensors are tied to an outdoor visual alarm and Bay Alarm who contacts the operator. Implement an alarm system that is both audio and visual and able to alert people inside the facility by March 15, 2017. Requirement: The RMP does not appear to address the codes and standards that the system was built to. Include the codes and standards in the RMP by March 15, 2017. Peak Performance performs system maintenance.
Eval Division: Napa County Department of Environmental Management
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: CalARP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Markham Vineyards
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (707) 963-5292

MARKHAM VINEYARDS (Continued) **S106101824**

Affiliation Type Desc:	Document Preparer
Entity Name:	Enrique Castro
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Enrique Castro
Entity Title:	Operations Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Markham Vineyards
Entity Title:	Not reported
Affiliation Address:	2812 Saint Helena Hwy N
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 963-5292

Affiliation Type Desc:	Parent Corporation
Entity Name:	Markham Vineyards
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Enrique Castro
Entity Title:	Not reported
Affiliation Address:	2812 St. Helena Hwy N
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported

MARKHAM VINEYARDS (Continued) **S106101824**

Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2812 Saint Helena Hwy N
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

L56 **MARKHAM VINEYARDS (WINERY)** **FINDS** **1023690461**
Target **2812 ST HELENA HWY** **ECHO** **N/A**
Property **SAINT HELENA, CA 94574**

Site 5 of 9 in cluster L

Actual: **241 ft.**

Focus Map: **13**

FINDS:

Registry ID: 110070087447

Environmental Interest/Information System

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

ECHO:

Envid:	1023690461
Registry ID:	110065236346
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110065236346

L57 **MARKHAM VINEYARDS** **RCRA NonGen / NLR** **1024845713**
Target **2812 SAINT HELENA HWY N** **CAL000399011**
Property **SAINT HELENA, CA 94574**

Site 6 of 9 in cluster L

Actual: **241 ft.**

Focus Map: **13**

RCRA NonGen / NLR:

Date form received by agency:	2014-07-21 00:00:00.0
Facility name:	MARKHAM VINEYARDS
Facility address:	2812 SAINT HELENA HWY N SAINT HELENA, CA 94574-9655
EPA ID:	CAL000399011
Mailing address:	PO BOX 636 SAINT HELENA, CA 94574

MARKHAM VINEYARDS (Continued) **1024845713**

Contact: LYNN JEMISON
Contact address: 2812 SAINT HELENA HWY N
SAINT HELENA, CA 94574
Contact country: Not reported
Contact telephone: 707-302-2044
Contact email: LJEMISON@MARKHAMVINEYARDS.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MERCIAN CORPORATION
Owner/operator address: NAKANO CENTRAL PARK S 4-10-2 NAKANO
AKANO-KU TOKYO JAP, CA 94574
Owner/operator country: Not reported
Owner/operator telephone: 707-302-2034
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LYNN JEMISON
Owner/operator address: 2812 SAINT HELENA HWY N
SAINT HELENA, CA 94574
Owner/operator country: Not reported
Owner/operator telephone: 707-302-2044
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

L58 **CHMIRS** **S110419261**
Target Property **2812 ST. HELENA HWY NORTH**
SAINT HELENA, CA 94974 **N/A**

Site 7 of 9 in cluster L

Actual:
241 ft.

Focus Map:
13

CHMIRS:

Name:	Not reported
Address:	2812 ST. HELENA HWY NORTH
City,State,Zip:	SAINT HELENA, CA 94974
OES Incident Number:	08-6439
OES notification:	09/03/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	2200
Year:	2008
Agency:	Markham Vineyard
Incident Date:	8/30/2008
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Anhydrous Ammonia
Quantity Released:	15

(Continued) **S110419261**

Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The ammonia leaked from piping on roof. A valve was not shut down completely.

L59 **MARKHAM VINEYARDS** **NPDES** **S109449800**
Target **2812 ST HELENA HWY N** **CIWQS** **N/A**
Property **SAINT HELENA, CA 94574** **CERS**

Site 8 of 9 in cluster L

Actual: **241 ft.**

Focus Map: **13**

NPDES:

Name:	MARKHAM VINEYARDS
Address:	2812 ST HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	182403
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 28I003333
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2812 St Helena Hwy N
Discharge Name:	Markham Vineyards
Discharge City:	St Helena
Discharge State:	California
Discharge Zip:	94574
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported

MARKHAM VINEYARDS (Continued) **S109449800**

Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	182403
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28I003333
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/03/1992
Status:	Active
Status Date:	04/03/1992
Place Size:	10
Place Size Unit:	Acres
Contact:	Lynn Jemison
Contact Title:	Operations Manager
Contact Phone:	707-302-2044
Contact Phone Ext:	Not reported
Contact Email:	ljemison@markhamvineyards.com
Operator Name:	Markham Vineyards
Operator Address:	2812 St Helena Hwy N
Operator City:	St Helena
Operator State:	California
Operator Zip:	94574
Operator Contact:	Lynn Jemison
Operator Contact Title:	Operations Manager
Operator Contact Phone:	707-302-2044
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ljemison@markhamvineyards.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	707-815-6797
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

MARKHAM VINEYARDS (Continued) **S109449800**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	David Flanary
Certifier Title:	Chief Financial Officer
Certification Date:	03-FEB-15
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	182403
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28I003333
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Markham Vineyards
Discharge Address:	2812 St Helena Hwy N
Discharge City:	St Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported

MARKHAM VINEYARDS (Continued) **S109449800**

Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	MARKHAM VINEYARDS
Address:	2812 ST HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 28I003333
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported

MARKHAM VINEYARDS (Continued) **S109449800**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/03/1992
Operator Name:	Markham Vineyards
Operator Address:	2812 St Helena Hwy N
Operator City:	St Helena
Operator State:	California
Operator Zip:	94574

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	182403
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28I003333
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/03/1992
Status:	Active
Status Date:	04/03/1992
Place Size:	10
Place Size Unit:	Acres
Contact:	Lynn Jemison
Contact Title:	Operations Manager
Contact Phone:	707-302-2044
Contact Phone Ext:	Not reported
Contact Email:	ljemison@markhamvineyards.com
Operator Name:	Markham Vineyards
Operator Address:	2812 St Helena Hwy N
Operator City:	St Helena
Operator State:	California
Operator Zip:	94574
Operator Contact:	Lynn Jemison
Operator Contact Title:	Operations Manager
Operator Contact Phone:	707-302-2044
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ljemison@markhamvineyards.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported

MARKHAM VINEYARDS (Continued) **S109449800**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	707-815-6797
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	David Flanary
Certifier Title:	Chief Financial Officer
Certification Date:	03-FEB-15
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	182403
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28I003333
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Markham Vineyards
Discharge Address:	2812 St Helena Hwy N
Discharge City:	St Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported

MARKHAM VINEYARDS (Continued) **S109449800**

Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	MARKHAM VINEYARDS
Address:	2812 ST HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Agency:	Markham Vineyards
Agency Address:	2812 St Helena Hwy N PO Box 636, St Helena, CA 94574
Place/Project Type:	Industrial - Wines, Brandy, and Brandy Spirits

MARKHAM VINEYARDS (Continued) **S109449800**

SIC/NAICS:	2084
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 28I003333
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/03/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.51811
Longitude:	-122.48892

CERS:

Name:	MARKHAM VINEYARDS
Address:	2812 ST HELENA HWY N
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	536395
CERS ID:	239585
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Markham Vineyards
Entity Title:	Operator
Affiliation Address:	2812 St Helena Hwy NPO Box 636
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

L60 **CHMIRS** **S110419260**
Target Property **2812 ST. HELENA HIGHWAY NORTH** **N/A**
SAINT HELENA, CA 94574

Site 9 of 9 in cluster L

Actual:
241 ft.

Focus Map:
13

CHMIRS:

Name:	Not reported
Address:	2812 ST. HELENA HIGHWAY NORTH
City,State,Zip:	SAINT HELENA, CA 94574
OES Incident Number:	08-6184
OES notification:	08/25/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported

(Continued) **S110419260**

Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1030
Year:	2008
Agency:	Markham Vineyards
Incident Date:	8/21/2008
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Anhydrous Ammonia
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported

(Continued) **S110419260**

Comments: Not reported
Description: HISTORICAL REPORT: Caller states while roof work was being done on piping that feeds their refrigeration unit, a miniscule amount of substance leaked out.

M61 **KRUG RANCH** **FINDS** **1023286087**
Target Property **2800 ST HELENA HWY N** **N/A**
SAINT HELENA, CA 94574

Site 1 of 6 in cluster M

Actual: 241 ft.

FINDS:

Focus Map: 13

Registry ID: 110065771542

Environmental Interest/Information System
STATE MASTER

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

M62 **KRUG RANCH** **CERS** **S121780863**
Target Property **2800 ST HELENA HWY N** **N/A**
SAINT HELENA, CA 94574

Site 2 of 6 in cluster M

Actual: 241 ft.

CERS:

Focus Map: 13

Name: KRUG RANCH
Address: 2800 ST HELENA HWY N
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 42148
CERS ID: 10171403
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS inventory includes multiple items not on site. Items are listed as onsite at other sites including Voltz and Willow Lake, and are never present on this site.
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-12-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

KRUG RANCH (Continued) **S121780863**

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	AJ Perez
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	AJ Perez
Entity Title:	Not reported
Affiliation Address:	2800 Main St
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	C Mondavi & Family
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 967-2200

Affiliation Type Desc:	Parent Corporation
Entity Name:	KRUG RANCH
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

Affiliation Type Desc:	Document Preparer
Entity Name:	AJ Perez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

KRUG RANCH (Continued) **S121780863**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2800 Main St
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	BOARD OF DIRECTORS
Entity Title:	Not reported
Affiliation Address:	2800 Main St
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 967-2227

M63 **C. MONDAVI & FAMILY** **HAZNET** **S118929343**
Target **2800 SAINT HELENA HWY N** **N/A**
Property **SAINT HELENA, CA 94574**

Site 3 of 6 in cluster M

Actual: **241 ft.**

Focus Map: **13**

HAZNET:

Name:	C. MONDAVI & FAMILY
Address:	2800 SAINT HELENA HWY N
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945749655
Year:	2015
Gepaid:	CAC002830435
Contact:	AJ PEREZ
Telephone:	7079672213
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Other organic solids
TSD EPA ID:	CAD059494310
TSD County:	43
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Name:	C. MONDAVI & FAMILY
Address:	2800 SAINT HELENA HWY N
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945749655
Year:	2015
Gepaid:	CAC002830435
Contact:	AJ PEREZ
Telephone:	7079672213

C. MONDAVI & FAMILY (Continued) **S118929343**

Mailing Name: Not reported
Mailing Address: PO BOX 191
Gen County: 28
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
TSD EPA ID: NED981723513
TSD County: 99
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 2.5

Name: C. MONDAVI & FAMILY
Address: 2800 SAINT HELENA HWY N
Address 2: Not reported
City,State,Zip: SAINT HELENA, CA 945749655
Year: 2015
Gepaid: CAC002830435
Contact: AJ PEREZ
Telephone: 7079672213
Mailing Name: Not reported
Mailing Address: PO BOX 191
Gen County: 28
Waste Category: Unspecified oil-containing waste
TSD EPA ID: CAD059494310
TSD County: 43
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.45

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64 **CHARLES KRUG WINERY** **CERS HAZ WASTE** **S103649123**
Target **2800 ST HELENA HWY** **SWEEPS UST** **N/A**
Property **SAINT HELENA, CA 94574** **CERS**

Actual:
242 ft.

Focus Map:
13

CERS HAZ WASTE:
Name: CHARLES KRUG WINERY
Address: 2800 ST HELENA HWY
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 389761
CERS ID: 10170739
CERS Description: Hazardous Chemical Management

Name: CHARLES KRUG WINERY
Address: 2800 ST HELENA HWY
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 389761
CERS ID: 10170739
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: CHARLES KRUG WINERY
Address: 2800 ST HELENA HWY
City: SAINT HELENA
Status: Active
Comp Number: 30424
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 06-30-89

CHARLES KRUG WINERY (Continued) **S103649123**

Owner Tank Id: 1
SWRCB Tank Id: 28-000-030424-000001
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

CERS:
Name: CHARLES KRUG WINERY
Address: 2800 ST HELENA HWY
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 389761
CERS ID: 10170739
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 389761
Site Name: CHARLES KRUG WINERY
Violation Date: 08-27-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 09/06/2018. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 389761
Site Name: CHARLES KRUG WINERY
Violation Date: 11-04-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 02/02/2016. potassium hydroxide indicated as ehs and reported in pounds. nov sent 12/17/15. NOV delivered 12/28/15, no response. Referred to supv. 01/19/16.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP

CHARLES KRUG WINERY (Continued) **S103649123**

Violation Source: CERS

Site ID: 389761
Site Name: CHARLES KRUG WINERY
Violation Date: 11-04-2015
Citation: 19 CCR 4.5 2755.6(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(e)
Violation Description: Failure to retain the two most recent compliance audit reports.
Violation Notes: Returned to compliance on 11/06/2015.
Violation Division: Napa County Department of Environmental Management
Violation Program: CalARP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The following recommendations were made after this routine CALARP inspection-please propose deadline(s) and rectify: 1) Install ammonia sensors on the diffusion tank and a stand alone sensor next to the high pressure receiver. 2) Label piping to IIAR requirements. 3) Address deficiencies from the seismic engineering evaluation: -The pipes connected to the wine chillers are supported by the wine chillers themselves. Heavy valve/equipment are connected to the pipes. -Two ammonia pumps (AP01 and AP03) inside of the compressor room lack proper anchorage. -The weld between the tank shell and the support saddle on the High Pressure Receiver is rusted. -The base anchorage of the Ammonia Diffusion Tank is not adequate.
Eval Division: Napa County Department of Environmental Management
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management

CHARLES KRUG WINERY (Continued) **S103649123**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2800 Main St
Affiliation City: Saint Helena
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Peter Mondavi Sr.
Entity Title: Not reported
Affiliation Address: PO Box 191
Affiliation City: Saint Helena
Affiliation State: CA
Affiliation Country: United States

CHARLES KRUG WINERY (Continued) **S103649123**

Affiliation Zip:	94574
Affiliation Phone:	(707) 962-2200
Affiliation Type Desc:	Legal Owner
Entity Name:	Peter Mondavi Sr.
Entity Title:	Not reported
Affiliation Address:	2800 Main St
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 967-2227
Affiliation Type Desc:	Operator
Entity Name:	C Mondavi & Family
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 967-2200
Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417
Affiliation Type Desc:	Document Preparer
Entity Name:	AJ Perez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	AJ Perez
Entity Title:	Health & Safety Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	AJ Perez
Entity Title:	Not reported
Affiliation Address:	2800 Main St

CHARLES KRUG WINERY (Continued) **S103649123**

Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Charles Krug Winery
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

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65 **CHMIRS** **S100277809**
Target Property **2800 ST HELENA HIGHWAY**
ST. HELENA, CA 94574 **N/A**

Actual: **242 ft.**
Focus Map: **13**

CHMIRS:

Name:	Not reported
Address:	2800 ST HELENA HIGHWAY
City,State,Zip:	ST. HELENA, CA 94574
OES Incident Number:	117711
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**26-JUN-91**
Property Use:	700
Agency Id Number:	28015
Agency Incident Number:	2083
Time Notified:	1215
Time Completed:	1315
Surrounding Area:	650
Estimated Temperature:	75
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	RON OGLETREE FC
Report Date:	26-JUN-91
Facility Telephone:	707 963-2471
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported

(Continued) **S100277809**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	26-JUN-91
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	15-JUL-92
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Y
Description:	Not reported

N66 **C. MONDAVI & FAMILY** **HAZNET** **S123601916**
Target **2800 MAIN ST.** **N/A**
Property **SAINT HELENA, CA 94574**

Site 1 of 12 in cluster N

Actual: **242 ft.**

Focus Map: **13**

HAZNET:

Name:	C. MONDAVI & FAMILY
Address:	2800 MAIN ST.
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2016
Gepaid:	CAC002846930
Contact:	ARNOLD (AJ) PEREZ
Telephone:	7079672213
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Not reported
TSD EPA ID:	CAD059494310
TSD County:	43
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1

C. MONDAVI & FAMILY (Continued) **S123601916**

Name:	C. MONDAVI & FAMILY
Address:	2800 MAIN ST.
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2016
Gepaid:	CAC002846930
Contact:	ARNOLD (AJ) PEREZ
Telephone:	7079672213
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Other organic solids
TSD EPA ID:	CAD059494310
TSD County:	43
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3

Name:	C. MONDAVI & FAMILY
Address:	2800 MAIN ST.
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2016
Gepaid:	CAC002846930
Contact:	ARNOLD (AJ) PEREZ
Telephone:	7079672213
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Gen County:	28
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
TSD EPA ID:	NED981723513
TSD County:	99
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.2

N67 **CHMIRS** **S109038037**
Target Property **2800 MAIN ST.** **SAINT HELENA, CA** **N/A**

Site 2 of 12 in cluster N

Actual: **242 ft.**
Focus Map: **13**

CHMIRS:

Name:	Not reported
Address:	2800 MAIN ST.
City,State,Zip:	SAINT HELENA, CA
OES Incident Number:	6-3943
OES notification:	07/03/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S109038037**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	C. Mondavi and Sons
Incident Date:	7/3/2006 12:00:00 AM
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Anhydrous Ammonia
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A PRV valve failed causing release to a containment chamber, no release to the air.

N68 **CHARLES KRUG WINERY** **HAZNET** **S123580467**
Target **2800 MAIN ST** **N/A**
Property **SAINT HELENA, CA 94574**

Site 3 of 12 in cluster N

Actual: **242 ft.**

Focus Map: **13**

HAZNET:

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2001
Gepaid:	CAC002368807
Contact:	PETER MONDAVI
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	2800 MAIN ST
Gen County:	28
Waste Category:	Not reported
TSD EPA ID:	MA5000004713
TSD County:	Not reported
Disposal Method:	Not reported
Tons:	0

N69 **ERNS** **2014079707**
Target **2800 MAIN STREET** **N/A**
Property **ST. HELENA, CA 94574**

Site 4 of 12 in cluster N

Actual: **242 ft.**

Focus Map: **13**

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

N70 **ERNS** **2014086325**
Target **2800 MAIN STREET** **N/A**
Property **ST. HELENA, CA 94574**

Site 5 of 12 in cluster N

Actual: **242 ft.**

Focus Map: **13**

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

N71
Target Property **2800 MAIN STREET**
ST. HELENA, CA 94574

Site 6 of 12 in cluster N

Actual:
242 ft.

Focus Map:
13

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

ERNS **2006802919**
N/A

N72
Target Property **CHARLES KRUG WINERY**
2800 MAIN ST
SAINT HELENA, CA 94574

Site 7 of 12 in cluster N

Actual:
242 ft.

Focus Map:
13

NPDES **S117631290**
CERS **N/A**

NPDES:

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN ST
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	182474
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 28I014290
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/01/1998
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 191
Discharge Name:	C Mondavi Sons
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	182474
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28I014290

CHARLES KRUG WINERY (Continued) **S117631290**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	07/01/1998
Status:	Active
Status Date:	01/05/2016
Place Size:	113
Place Size Unit:	Acres
Contact:	AJ Perez
Contact Title:	Health and Safety Specialist
Contact Phone:	707-967-2213
Contact Phone Ext:	Not reported
Contact Email:	aperez@cmondavi.com
Operator Name:	C Mondavi Sons
Operator Address:	PO Box 191
Operator City:	Saint Helena
Operator State:	California
Operator Zip:	94574
Operator Contact:	AJ Perez
Operator Contact Title:	Health and Safety Specialist
Operator Contact Phone:	707-967-2213
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	aperez@cmondavi.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	707-967-2200
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported

CHARLES KRUG WINERY (Continued) **S117631290**

Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Napa River
Certifier:	Kathy DeVillers
Certifier Title:	CFO
Certification Date:	04-AUG-15
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	182474
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28I014290
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/01/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	C Mondavi Sons
Discharge Address:	PO Box 191
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported

CHARLES KRUG WINERY (Continued) **S117631290**

Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN ST
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 28I014290
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/05/2016
Operator Name:	C Mondavi Sons
Operator Address:	PO Box 191
Operator City:	Saint Helena

CHARLES KRUG WINERY (Continued) **S117631290**

Operator State:	California
Operator Zip:	94574

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	182474
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28I014290
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	07/01/1998
Status:	Active
Status Date:	01/05/2016
Place Size:	113
Place Size Unit:	Acres
Contact:	AJ Perez
Contact Title:	Health and Safety Specialist
Contact Phone:	707-967-2213
Contact Phone Ext:	Not reported
Contact Email:	aperez@cmondavi.com
Operator Name:	C Mondavi Sons
Operator Address:	PO Box 191
Operator City:	Saint Helena
Operator State:	California
Operator Zip:	94574
Operator Contact:	AJ Perez
Operator Contact Title:	Health and Safety Specialist
Operator Contact Phone:	707-967-2213
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	aperez@cmondavi.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	707-967-2200
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

CHARLES KRUG WINERY (Continued) **S117631290**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Napa River
Certifier:	Kathy DeVillers
Certifier Title:	CFO
Certification Date:	04-AUG-15
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	182474
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28I014290
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/01/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	C Mondavi Sons
Discharge Address:	PO Box 191
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CHARLES KRUG WINERY (Continued) **S117631290**

Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CERS:

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN ST
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	529063
CERS ID:	214073
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	529063
Site Name:	Charles Krug Winery
Violation Date:	08-15-2015
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Failure to Obtain Permit
Violation Notes:	Failure to recertify permit coverage under IGP 2014-0057-DWQ

CHARLES KRUG WINERY (Continued) **S117631290**

Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 529063
Site Name: Charles Krug Winery
Violation Date: 07-02-1999
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Non-submittal of Annual Report. Due 7//1/1999
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 529063
Site Name: Charles Krug Winery
Violation Date: 07-02-2008
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to Submit the 2007-2008 Annual Report by 7/1/08 due date.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Enforcement Action:
Site ID: 529063
Site Name: Charles Krug Winery
Site Address: 2800 MAIN ST
Site City: SAINT HELENA
Site Zip: 94574
Enf Action Date: 08-22-2008
Enf Action Type: Notice of Non-Compliance for Non-Filers
Enf Action Description: Notice of Non-Compliance for Non-Filers
Enf Action Notes: N/A
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 529063
Site Name: Charles Krug Winery
Site Address: 2800 MAIN ST
Site City: SAINT HELENA
Site Zip: 94574
Enf Action Date: 10-30-2015
Enf Action Type: Notice of Non-Compliance for Non-Filers
Enf Action Description: Notice of Non-Compliance for Non-Filers
Enf Action Notes: Failure to recertify permit coverage under IGP 2014-0057-DWQ. Swppp And Facility Map Not Uploaded
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 529063
Site Name: Charles Krug Winery
Site Address: 2800 MAIN ST
Site City: SAINT HELENA
Site Zip: 94574

CHARLES KRUG WINERY (Continued) **S117631290**

Enf Action Date:	12-11-2015
Enf Action Type:	Notice of Non-Compliance for Non-Filers
Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	Failure to recertify permit coverage under IGP 2014-0057-DWQ. SECOND NOTICE. Swppp And Facility Map Not Uploaded
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	C Mondavi Sons
Entity Title:	Operator
Affiliation Address:	PO Box 191
Affiliation City:	Saint Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

N73 **CHMIRS** **S116778696**
Target Property **2800 MAIN STREET** **N/A**
SAINT HELENA, CA 94574

Site 8 of 12 in cluster N

Actual: **242 ft.**

Focus Map: **13**

CHMIRS:

Name:	Not reported
Address:	2800 MAIN STREET
City,State,Zip:	SAINT HELENA, CA 94574
OES Incident Number:	4-2179
OES notification:	04/14/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

(Continued) **S116778696**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	ATMOSPHERE
Spill Site:	Merchant/Business
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	848
Year:	2014
Agency:	NRC
Incident Date:	4/14/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	ATMOSPHERE
E Date:	Not reported
Substance:	Anhydrous Ammonia
Quantity Released:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Mechanical
Fatals:	No
Comments:	Not reported
Description:	Per the NRC Report: "CALLER IS REPORTING AN AIR RELEASE OF ANHYDROUS AMMONIA LEAK FROM A PIPE THAT IS COMING FROM A STORAGE TANK DUE TO AN EQUIPMENT FAILURE." Above ground steel tank, 9000 lbs. capacity.

N74 **CHMIRS** **S105664863**
Target Property **CHARLES KRUG WINERY - 2800 MAIN ST.** **N/A**
SAINT HELENA, CA

Site 9 of 12 in cluster N

Actual: **242 ft.**

Focus Map: **13**

CHMIRS:

Name:	Not reported
Address:	CHARLES KRUG WINERY - 2800 MAIN ST.
City,State,Zip:	SAINT HELENA, CA
OES Incident Number:	0-5052
OES notification:	10/30/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	St. Helena CDF
Incident Date:	10/30/200012:00:00 AM
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	anhydrous amonia
Gallons:	0.000000

(Continued) **S105664863**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Leak out of a 2" pipeline at the Charles Krug Winery.

N75 **CHARLES KRUG WINERY** **FINDS** **1016789625**
Target **2800 MAIN STREET** **ECHO** **N/A**
Property **SAINT HELENA, CA 94574**

Site 10 of 12 in cluster N

Actual: 242 ft.

Focus Map: 13

FINDS:

Registry ID: 110058338142

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

ECHO:

Envid:	1016789625
Registry ID:	110058338142
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110058338142

N76 **CHARLES KRUG WINERY** **CIWQS** **S112916254**
Target **2800 MAIN ST** **N/A**
Property **SAINT HELENA, CA 94574**

Site 11 of 12 in cluster N

Actual: **242 ft.**
Focus Map: **13**

CIWQS:

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN ST
City,State,Zip:	SAINT HELENA, CA 94574
Agency:	C Mondavi Sons
Agency Address:	PO Box 191, Saint Helena, CA 94574
Place/Project Type:	Industrial - Wines, Brandy, and Brandy Spirits
SIC/NAICS:	2084
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 28I014290
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	07/01/1998
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	2
Violations within 5 years:	1
Latitude:	38.5187
Longitude:	-122.48178

N77 **CHARLES KRUG WINERY** **HIST UST** **U001598277**
Target **2800 MAIN ST** **EMI** **N/A**
Property **SAINT HELENA, CA 0** **WDS**
CERS

Site 12 of 12 in cluster N

Actual: **242 ft.**
Focus Map: **13**

HIST UST:

Name:	CHARLES KRUG WINERY
Address:	2800 ST. HELENA HWY
City,State,Zip:	ST. HELENA, CA 94574
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000030424
Facility Type:	Other
Other Type:	VINEYARD VEHICLE FUE
Contact Name:	PETER R. MONDAVI JR.
Telephone:	7079632761
Owner Name:	C. MONDAVI & SONS
Owner Address:	2800 ST. HELENA HWY
Owner City,St,Zip:	ST. HELENA, CA 94574
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported

CHARLES KRUG WINERY (Continued) **U001598277**

Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

EMI:

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN STREET
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2011
County Code:	28
Air Basin:	SF
Facility ID:	20405
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0.001
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN STREET
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2012
County Code:	28
Air Basin:	SF
Facility ID:	20405
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0.001
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN STREET
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2013
County Code:	28
Air Basin:	SF
Facility ID:	20405
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD

CHARLES KRUG WINERY (Continued) **U001598277**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	0.004
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN STREET
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2014
County Code:	28
Air Basin:	SF
Facility ID:	20405
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000253329
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.000765
NOX - Oxides of Nitrogen Tons/Yr:	0.003518839
SOX - Oxides of Sulphur Tons/Yr:	1.631e-006
Particulate Matter Tons/Yr:	0.000261948
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00025147

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN STREET
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2015
County Code:	28
Air Basin:	SF
Facility ID:	20405
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000176704
Reactive Organic Gases Tons/Yr:	8.5713e-005
Carbon Monoxide Emissions Tons/Yr:	0.000403431
NOX - Oxides of Nitrogen Tons/Yr:	0.006141415
SOX - Oxides of Sulphur Tons/Yr:	2.2185e-005
Particulate Matter Tons/Yr:	1.8863e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.8108e-005

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN STREET
City,State,Zip:	ST. HELENA, CA 94574
Year:	2016
County Code:	28
Air Basin:	SF
Facility ID:	20405

CHARLES KRUG WINERY (Continued) **U001598277**

Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000176704
Reactive Organic Gases Tons/Yr:	0.000155234464
Carbon Monoxide Emissions Tons/Yr:	0.000403431
NOX - Oxides of Nitrogen Tons/Yr:	0.006141415
SOX - Oxides of Sulphur Tons/Yr:	2.2185e-005
Particulate Matter Tons/Yr:	1.8863e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.8108e-005

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN STREET
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2017
County Code:	28
Air Basin:	SF
Facility ID:	20405
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000699223
Reactive Organic Gases Tons/Yr:	0.0006142674055
Carbon Monoxide Emissions Tons/Yr:	0.002087293
NOX - Oxides of Nitrogen Tons/Yr:	0.010398254
SOX - Oxides of Sulphur Tons/Yr:	8.417e-006
Particulate Matter Tons/Yr:	0.000135696
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000130268

WDS:

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN ST
City:	SAINT HELENA
Facility ID:	San Francisco Bay 28I014290
Facility Type:	Not reported
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	C MONDAVI & SONS
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Not reported
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported

CHARLES KRUG WINERY (Continued) **U001598277**

Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CERS:

Name:	CHARLES KRUG WINERY
Address:	2800 MAIN STREET
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	458913
CERS ID:	110058338142
CERS Description:	US EPA Air Emission Inventory System (EIS)

O78 **ERNS** **98449690**
Target Property **1000 PRATT AVE**
ST. HELENA, CA 94574 **N/A**

Site 1 of 17 in cluster O

Actual: 254 ft.

Focus Map: 13

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

O79 **BERINGER VINEYARDS** **EMI** **S110501626**
Target Property **1000 PRATT AVENUE** **CERS** **N/A**
SAINT HELENA, CA 94574

Site 2 of 17 in cluster O

Actual: 254 ft.

Focus Map: 13

EMI:

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2008
County Code:	28
Air Basin:	SF

BERINGER VINEYARDS (Continued) **S110501626**

Facility ID:	18818
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	.001
NOX - Oxides of Nitrogen Tons/Yr:	.004
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2009
County Code:	28
Air Basin:	SF
Facility ID:	18818
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	4.0000000000000001E-3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2010
County Code:	28
Air Basin:	SF
Facility ID:	18818
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0.001
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574

BERINGER VINEYARDS (Continued) **S110501626**

Year:	2011
County Code:	28
Air Basin:	SF
Facility ID:	18818
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0.001
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2012
County Code:	28
Air Basin:	SF
Facility ID:	18818
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0.001
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2013
County Code:	28
Air Basin:	SF
Facility ID:	18818
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	0.002
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

BERINGER VINEYARDS (Continued) **S110501626**

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2014
County Code:	28
Air Basin:	SF
Facility ID:	18818
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.000123829
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.000502442
NOX - Oxides of Nitrogen Tons/Yr:	0.002168261
SOX - Oxides of Sulphur Tons/Yr:	2.393e-006
Particulate Matter Tons/Yr:	5.6736e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.4467e-005

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574
Year:	2015
County Code:	28
Air Basin:	SF
Facility ID:	18818
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.5029e-005
Reactive Organic Gases Tons/Yr:	4.146e-005
Carbon Monoxide Emissions Tons/Yr:	0.000182706
NOX - Oxides of Nitrogen Tons/Yr:	0.000788458
SOX - Oxides of Sulphur Tons/Yr:	8.7e-007
Particulate Matter Tons/Yr:	2.0631e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.9806e-005

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVENUE
City,State,Zip:	ST. HELENA, CA 94574
Year:	2016
County Code:	28
Air Basin:	SF
Facility ID:	18818
Air District Name:	BA
SIC Code:	2084
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.5029e-005
Reactive Organic Gases Tons/Yr:	3.95579765e-005
Carbon Monoxide Emissions Tons/Yr:	0.000182706
NOX - Oxides of Nitrogen Tons/Yr:	0.000788458
SOX - Oxides of Sulphur Tons/Yr:	8.7e-007

BERINGER VINEYARDS (Continued) **S110501626**

Particulate Matter Tons/Yr: 2.0631e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1.9806e-005

Name: BERINGER VINEYARDS
Address: 1000 PRATT AVENUE
City,State,Zip: SAINT HELENA, CA 94574
Year: 2017
County Code: 28
Air Basin: SF
Facility ID: 18818
Air District Name: BA
SIC Code: 2084
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.5029e-005
Reactive Organic Gases Tons/Yr: 3.95579765e-005
Carbon Monoxide Emissions Tons/Yr: 0.000182706
NOX - Oxides of Nitrogen Tons/Yr: 0.000788458
SOX - Oxides of Sulphur Tons/Yr: 8.7e-007
Particulate Matter Tons/Yr: 2.0631e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1.9806e-005

CERS:
Name: BERINGER VINEYARDS
Address: 1000 PRATT AVENUE
City,State,Zip: SAINT HELENA, CA 94574-1020
Site ID: 454372
CERS ID: 110000515069
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: ERIC FITZ
Entity Title: Not reported
Affiliation Address: 1000 PRATT AVENUE
Affiliation City: STHELENA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: MICHAEL CERIO
Entity Title: OPERATOR
Affiliation Address: 1000 PRATT AVENUE
Affiliation City: STHELENA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: HANK HATHAWAY
Entity Title: MAINTENANCE SUPERVISOR
Affiliation Address: Not reported
Affiliation City: Not reported

BERINGER VINEYARDS (Continued) **S110501626**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	KATHY MEECHAN
Entity Title:	DIR QUALITY AND ENVIRONMENTAL MGT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	SCOTT CURWOOD
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	1000 PRATT AVENUE
Affiliation City:	STHELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Owner
Entity Name:	TREASURY WINE ESTATE
Entity Title:	OWNER
Affiliation Address:	POBOX 4500
Affiliation City:	NAPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	JOE KIDD
Entity Title:	GENERAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL GRIBBEN
Entity Title:	OPERATIONS MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	TIM DUNBAR

BERINGER VINEYARDS (Continued) **S110501626**

Entity Title:	MAINTENANCE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	JOE KIDD
Entity Title:	OPERATOR
Affiliation Address:	1000 PRATT AVENUE
Affiliation City:	STHELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

O80 **ST. HELENA VINEYARD** **CERS HAZ WASTE** **S121740300**
Target **1000 PRATT AVE** **CERS** **N/A**
Property **SAINT HELENA, CA 94574**

Site 3 of 17 in cluster O

Actual: 254 ft.

Focus Map: 13

CERS HAZ WASTE:

Name:	ST. HELENA VINEYARD
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	11825
CERS ID:	10119994
CERS Description:	Hazardous Chemical Management
Name:	ST. HELENA VINEYARD
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	11825
CERS ID:	10119994
CERS Description:	Hazardous Waste Generator

CERS:

Name:	ST. HELENA VINEYARD
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	11825
CERS ID:	10170471
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	11825
Site Name:	St. Helena Vineyard
Violation Date:	02-05-2009
Citation:	01001 - Search Title 8 regulations for 3395 E03 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA

ST. HELENA VINEYARD (Continued) **S121740300**

Violation Source: CERS

Site ID: 11825
Site Name: St. Helena Vineyard
Violation Date: 06-29-2006
Citation: 01003 - Search Title 8 regulations for 3273 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS

Site ID: 11825
Site Name: St. Helena Vineyard
Violation Date: 11-03-2016
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: Returned to compliance on 12/12/2016. Arsenic is removed from make up water via a sand filter. Backwash water is discharged to wastewater pond. Analyze wastewater to determine arsenic levels. Any person who generates a waste shall determine if the waste is a hazardous waste. Immediately [remove item from trash, stop disposal as non-haz, etc.], make a hazardous waste determination for the [whatever the waste is], and manage it according the Title 22 hazardous waste regulations. Submit a statement and supporting documentation explaining how this waste was managed by [date, 30 days from now].
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Note: Since the diesel tank is actually stored at 1000 Pratt Avenue, the address for this facility needs to be changed to 1000 Pratt Avenue in CERS. Otherwise, this permit can be closed all together and the diesel tank inventory can be added to the Beringer HMBP.
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2013

ST. HELENA VINEYARD (Continued) **S121740300**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Occupational Safety and Health Administration Inspection
Eval Date:	06-03-2006
Violations Found:	Yes
Eval Type:	Cal/OSHA Inspection
Eval Notes:	Not reported
Eval Division:	Cal/OSHA
Eval Program:	OSHA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	- PHA revalidated and submitted on June 29, 2015. - APCO performs all maintenance work and inspections By December 5, 2016. - Consolidate PHA 2010 and 2015 recommendations with status updates and submit - Update PIDs to reflect the removal of lpv14 - Verify how insulated equipment is inspected Facility representatives are well informed and organized.
Eval Division:	Napa County Department of Environmental Management
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-23-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

ST. HELENA VINEYARD (Continued) **S121740300**

Eval General Type:	Occupational Safety and Health Administration Inspection
Eval Date:	10-09-2008
Violations Found:	No
Eval Type:	Cal/OSHA Inspection
Eval Notes:	Not reported
Eval Division:	Cal/OSHA
Eval Program:	OSHA
Eval Source:	CERS

Coordinates:

Site ID:	11825
Facility Name:	St. Helena Vineyard
Env Int Type Code:	HMBP
Program ID:	10170471
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	38.508890
Longitude:	-122.482130

Site ID:	11825
Facility Name:	St. Helena Vineyard
Env Int Type Code:	SMSWIND
Program ID:	211377
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	38.511330
Longitude:	-122.476540

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Eric Fitz
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 259-4500

Affiliation Type Desc:	Owner/Operator
Entity Name:	Beringer Vineyards
Entity Title:	Operator
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Treasury Wine Estates
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Bridget Walsh
Entity Title: Not reported
Affiliation Address: 1000 Pratt Ave
Affiliation City: St Helena
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1000 Pratt Ave.
Affiliation City: St Helena
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Bridget Walsh
Entity Title: HSE Manager, Vyd Ops
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Company
Entity Name: FOSTER'S WINE ESTATES AMERICAS
Entity Title: Not reported
Affiliation Address: PO BOX 111
Affiliation City: SAINT HELENA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Public Contact
Entity Name: CLEM LEE
Entity Title: Not reported
Affiliation Address: PO BOX 111

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	7079637115
Affiliation Type Desc:	Technical Contact
Entity Name:	CLEM LEE
Entity Title:	Not reported
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	7079637115
Affiliation Type Desc:	Document Preparer
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Ryan Rech
Entity Title:	General Manager & Sr. Winemaker
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	PO Box 4500
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94558
Affiliation Phone:	(707) 259-4500
Affiliation Type Desc:	Operator

ST. HELENA VINEYARD (Continued) **S121740300**

Entity Name:	Treasury Wine Estates dba St Helena Vyd
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 712-7451
Affiliation Type Desc:	Company Official
Entity Name:	Troy Watters
Entity Title:	VP Winery Operations
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417
Affiliation Type Desc:	Document Preparer
Entity Name:	Bev Marshall
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave.
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(805) 712-7451
Name:	ST. HELENA VINEYARD
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	11825
CERS ID:	211377
CERS Description:	Industrial Facility Storm Water

ST. HELENA VINEYARD (Continued) **S121740300**

Violations:

Site ID:	11825
Site Name:	St. Helena Vineyard
Violation Date:	02-05-2009
Citation:	01001 - Search Title 8 regulations for 3395 E03 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS

Site ID:	11825
Site Name:	St. Helena Vineyard
Violation Date:	06-29-2006
Citation:	01003 - Search Title 8 regulations for 3273 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS

Site ID:	11825
Site Name:	St. Helena Vineyard
Violation Date:	11-03-2016
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description:	Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes:	Returned to compliance on 12/12/2016. Arsenic is removed from make up water via a sand filter. Backwash water is discharged to wastewater pond. Analyze wastewater to determine arsenic levels. Any person who generates a waste shall determine if the waste is a hazardous waste. Immediately [remove item from trash, stop disposal as non-haz, etc.], make a hazardous waste determination for the [whatever the waste is], and manage it according the Title 22 hazardous waste regulations. Submit a statement and supporting documentation explaining how this waste was managed by [date, 30 days from now].
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-19-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Note: Since the diesel tank is actually stored at 1000 Pratt Avenue, the address for this facility needs to be changed to 1000 Pratt Avenue in CERS. Otherwise, this permit can be closed all together and the diesel tank inventory can be added to the Beringer HMBP.
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

ST. HELENA VINEYARD (Continued) **S121740300**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-23-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	CalARP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-23-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Occupational Safety and Health Administration Inspection
Eval Date:	06-03-2006
Violations Found:	Yes
Eval Type:	Cal/OSHA Inspection
Eval Notes:	Not reported
Eval Division:	Cal/OSHA
Eval Program:	OSHA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	- PHA revalidated and submitted on June 29, 2015. - APCO performs all maintenance work and inspections By December 5, 2016. - Consolidate PHA 2010 and 2015 recommendations with status updates and submit - Update PIDs to reflect the removal of lpv14 - Verify how insulated equipment is inspected Facility representatives are well informed and organized.
Eval Division:	Napa County Department of Environmental Management
Eval Program:	CalARP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HW

ST. HELENA VINEYARD (Continued) **S121740300**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 10-09-2008
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS

Coordinates:
Site ID: 11825
Facility Name: St. Helena Vineyard
Env Int Type Code: HMBP
Program ID: 10170471
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.508890
Longitude: -122.482130

Site ID: 11825
Facility Name: St. Helena Vineyard
Env Int Type Code: SMSWIND
Program ID: 211377
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 38.511330
Longitude: -122.476540

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Eric Fitz
Entity Title: Not reported
Affiliation Address: 1000 Pratt Avenue
Affiliation City: St. Helena
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Treasury Wine Estates
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 259-4500
Affiliation Type Desc:	Owner/Operator
Entity Name:	Beringer Vineyards
Entity Title:	Operator
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave.
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Bridget Walsh
Entity Title:	HSE Manager, Vyd Ops
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Company
Entity Name:	FOSTER'S WINE ESTATES AMERICAS
Entity Title:	Not reported

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	CLEM LEE
Entity Title:	Not reported
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	7079637115
Affiliation Type Desc:	Technical Contact
Entity Name:	CLEM LEE
Entity Title:	Not reported
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	7079637115
Affiliation Type Desc:	Document Preparer
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Ryan Rech
Entity Title:	General Manager & Sr. Winemaker
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	PO Box 4500
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94558
Affiliation Phone:	(707) 259-4500

Affiliation Type Desc:	Operator
Entity Name:	Treasury Wine Estates dba St Helena Vyd
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 712-7451

Affiliation Type Desc:	Company Official
Entity Name:	Troy Watters
Entity Title:	VP Winery Operations
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

Affiliation Type Desc:	Document Preparer
Entity Name:	Bev Marshall
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave.
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	United States

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Zip: 94574
Affiliation Phone: (805) 712-7451

Name: ST. HELENA VINEYARD
Address: 1000 PRATT AVE
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 11825
CERS ID: 94574BRNGR2000M
CERS Description: Toxic Release Inventory

Violations:

Site ID: 11825
Site Name: St. Helena Vineyard
Violation Date: 02-05-2009
Citation: 01001 - Search Title 8 regulations for 3395 E03 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS

Site ID: 11825
Site Name: St. Helena Vineyard
Violation Date: 06-29-2006
Citation: 01003 - Search Title 8 regulations for 3273 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS

Site ID: 11825
Site Name: St. Helena Vineyard
Violation Date: 11-03-2016
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: Returned to compliance on 12/12/2016. Arsenic is removed from make up water via a sand filter. Backwash water is discharged to wastewater pond. Analyze wastewater to determine arsenic levels. Any person who generates a waste shall determine if the waste is a hazardous waste. Immediately [remove item from trash, stop disposal as non-haz, etc.], make a hazardous waste determination for the [whatever the waste is], and manage it according the Title 22 hazardous waste regulations. Submit a statement and supporting documentation explaining how this waste was managed by [date, 30 days from now].
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2017

ST. HELENA VINEYARD (Continued) **S121740300**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Note: Since the diesel tank is actually stored at 1000 Pratt Avenue, the address for this facility needs to be changed to 1000 Pratt Avenue in CERS. Otherwise, this permit can be closed all together and the diesel tank inventory can be added to the Beringer HMBP.
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-23-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-23-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Occupational Safety and Health Administration Inspection
Eval Date:	06-03-2006
Violations Found:	Yes
Eval Type:	Cal/OSHA Inspection
Eval Notes:	Not reported
Eval Division:	Cal/OSHA
Eval Program:	OSHA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	- PHA revalidated and submitted on June 29, 2015. - APCO performs all maintenance work and inspections By December 5, 2016. - Consolidate PHA 2010 and 2015 recommendations with status updates and submit - Update PIDs to reflect the removal of lpv14 - Verify how insulated equipment is inspected Facility representatives are well informed and organized.
Eval Division:	Napa County Department of Environmental Management

ST. HELENA VINEYARD (Continued) **S121740300**

Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 10-09-2008
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS

Coordinates:
Site ID: 11825
Facility Name: St. Helena Vineyard
Env Int Type Code: HMBP
Program ID: 10170471
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.508890
Longitude: -122.482130

Site ID: 11825
Facility Name: St. Helena Vineyard
Env Int Type Code: SMSWIND
Program ID: 211377
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 38.511330
Longitude: -122.476540

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Eric Fitz
Entity Title: Not reported
Affiliation Address: 1000 Pratt Avenue
Affiliation City: St. Helena
Affiliation State: CA

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 259-4500
Affiliation Type Desc:	Owner/Operator
Entity Name:	Beringer Vineyards
Entity Title:	Operator
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave.
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Bridget Walsh
Entity Title:	HSE Manager, Vyd Ops

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Company
Entity Name:	FOSTER'S WINE ESTATES AMERICAS
Entity Title:	Not reported
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	CLEM LEE
Entity Title:	Not reported
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	7079637115
Affiliation Type Desc:	Technical Contact
Entity Name:	CLEM LEE
Entity Title:	Not reported
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	7079637115
Affiliation Type Desc:	Document Preparer
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Type Desc:	Identification Signer
Entity Name:	Ryan Rech
Entity Title:	General Manager & Sr. Winemaker
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	PO Box 4500
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94558
Affiliation Phone:	(707) 259-4500

Affiliation Type Desc:	Operator
Entity Name:	Treasury Wine Estates dba St Helena Vyd
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 712-7451

Affiliation Type Desc:	Company Official
Entity Name:	Troy Watters
Entity Title:	VP Winery Operations
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

Affiliation Type Desc:	Document Preparer
Entity Name:	Bev Marshall
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Treasury Wine Estates
Entity Title: Not reported
Affiliation Address: 1000 Pratt Ave.
Affiliation City: St Helena
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94574
Affiliation Phone: (805) 712-7451

Name: ST. HELENA VINEYARD
Address: 1000 PRATT AVE
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 11825
CERS ID: 10119994
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 11825
Site Name: St. Helena Vineyard
Violation Date: 02-05-2009
Citation: 01001 - Search Title 8 regulations for 3395 E03 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS

Site ID: 11825
Site Name: St. Helena Vineyard
Violation Date: 06-29-2006
Citation: 01003 - Search Title 8 regulations for 3273 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS

Site ID: 11825
Site Name: St. Helena Vineyard
Violation Date: 11-03-2016
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: Returned to compliance on 12/12/2016. Arsenic is removed from make up water via a sand filter. Backwash water is discharged to wastewater pond. Analyze wastewater to determine arsenic levels. Any person who generates a waste shall determine if the waste is a hazardous waste. Immediately [remove item from trash, stop disposal as non-haz, etc.], make a hazardous waste determination for the [whatever the waste is], and manage it according the Title 22 hazardous waste regulations.

ST. HELENA VINEYARD (Continued) **S121740300**

Submit a statement and supporting documentation explaining how this waste was managed by [date, 30 days from now].
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Note: Since the diesel tank is actually stored at 1000 Pratt Avenue, the address for this facility needs to be changed to 1000 Pratt Avenue in CERS. Otherwise, this permit can be closed all together and the diesel tank inventory can be added to the Beringer HMBP.
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 06-03-2006
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2016

ST. HELENA VINEYARD (Continued) **S121740300**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: - PHA revalidated and submitted on June 29, 2015. - APCO performs all maintenance work and inspections By December 5, 2016. - Consolidate PHA 2010 and 2015 recommendations with status updates and submit - Update PIDs to reflect the removal of lpv14 - Verify how insulated equipment is inspected Facility representatives are well informed and organized.
Eval Division: Napa County Department of Environmental Management
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 10-09-2008
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS

Coordinates:
Site ID: 11825
Facility Name: St. Helena Vineyard
Env Int Type Code: HMBP
Program ID: 10170471
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.508890
Longitude: -122.482130

Site ID: 11825
Facility Name: St. Helena Vineyard
Env Int Type Code: SMSWIND
Program ID: 211377
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 38.511330
Longitude: -122.476540

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Eric Fitz
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 259-4500

Affiliation Type Desc:	Owner/Operator
Entity Name:	Beringer Vineyards
Entity Title:	Operator
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave.
Affiliation City:	St Helena
Affiliation State:	CA

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Bridget Walsh
Entity Title:	HSE Manager, Vyd Ops
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Company
Entity Name:	FOSTER'S WINE ESTATES AMERICAS
Entity Title:	Not reported
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	CLEM LEE
Entity Title:	Not reported
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	7079637115
Affiliation Type Desc:	Technical Contact
Entity Name:	CLEM LEE
Entity Title:	Not reported
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	7079637115
Affiliation Type Desc:	Document Preparer
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Ryan Rech
Entity Title:	General Manager & Sr. Winemaker
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	PO Box 4500
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94558
Affiliation Phone:	(707) 259-4500
Affiliation Type Desc:	Operator
Entity Name:	Treasury Wine Estates dba St Helena Vyd
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 712-7451
Affiliation Type Desc:	Company Official
Entity Name:	Troy Watters
Entity Title:	VP Winery Operations
Affiliation Address:	PO BOX 111
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

ST. HELENA VINEYARD (Continued) **S121740300**

Affiliation Type Desc:	Document Preparer
Entity Name:	Bev Marshall
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Ave.
Affiliation City:	St Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(805) 712-7451

O81 **ERNS** **93163842**
Target Property **1000 PRATT AVE** **N/A**
ST. HELENA, CA 94574

Site 4 of 17 in cluster O

Actual:
254 ft.

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

Focus Map:
13

O82 **ERNS** **99481787**
Target Property **1000 PRATT AVE** **N/A**
ST. HELENA, CA 94574

Site 5 of 17 in cluster O

Actual:
254 ft.

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

Focus Map:
13

O83 **CHMIRS** **S105654932**
Target Property **1000 PRATT AVE**
SAINT HELENA, CA 94574 **N/A**

Site 6 of 17 in cluster O

Actual:
254 ft.

Focus Map:
13

CHMIRS:

Name:	Not reported
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA
OES Incident Number:	3-2630
OES notification:	05/21/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	York Creek
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Berringer Wine
Incident Date:	5/21/200312:00:00 AM
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	wine by-product’s
Gallons:	5

(Continued) **S105654932**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The valve was not properly set on the diversion pit, which caused a release to York Creek.
Name:	Not reported
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA 94574
OES Incident Number:	0-6036
OES notification:	12/19/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	York Creek
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported

(Continued) **S105654932**

Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Barranger Wine Estates
Incident Date:	12/19/200012:00:00 AM
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	No
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	waste water
Gallons:	unk
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	a pump failed and overflowed the catch basin which went to a creek
Name:	Not reported
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA
OES Incident Number:	18-8126
OES notification:	11/29/2018
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

(Continued) **S105654932**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Road
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	OTHER
Measure:	Gal(s)
Other:	Grape Skins
Date/Time:	1230
Year:	2018
Agency:	Treasury Wine
Incident Date:	11/29/2018
Admin Agency:	Napa County Department Environmental Management
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Grape Skins
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per the caller the release occurred when a 3rd party contractor improperly closed the truck door causing the release. Per the caller the release is stopped and contained. Per the caller no drinking water or waterways impacted.
Name:	Not reported
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA
OES Incident Number:	8-3634

(Continued) **S105654932**

OES notification:	08/09/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	Berenger Winery
Incident Date:	8/9/199812:00:00 AM
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Ammonia
Gallons:	0.000000
Pounds:	100
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

(Continued) **S105654932**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Pressure relief valve failed. System shut down. Substance contained within system. There is a possibly the sewage made it to the wineries ponds. They will check and advise.

O84 **BERINGER - ICON III PROJECT** **LUST** **S105661872**
Target **1000 PRATT AVENUE** **CHMIRS** **N/A**
Property **SAINT HELENA, CA 94574** **HAZNET**
NPDES
Site 7 of 17 in cluster O **CIWQS**

Actual:
254 ft.

Focus Map:
13

NAPA CO. LUST:

Name:	WINE WORLD ESTATES
Address:	1000 PRATT AVE
City,State,Zip:	ST. HELENA, CA 94574
Permit ID:	248211
Status:	Closed
Permit Type:	Non-LOP
District:	0

CHMIRS:

Name:	Not reported
Address:	1000 PRATT AV
City,State,Zip:	SAINT HELENA, CA 94574
OES Incident Number:	9-1845
OES notification:	04/27/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported

BERINGER - ICON III PROJECT (Continued) **S105661872**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	Barringer Wine
Incident Date:	4/27/199912:00:00 AM
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Mercury
Pounds:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Cutting through a temperature probe, unaware of mercury content until it spilled.

HAZNET:

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	1999
Gepaid:	CAL000049240
Contact:	Bev Marshall
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Other organic solids
TSD EPA ID:	CAT080014079

BERINGER - ICON III PROJECT (Continued) **S105661872**

TSD County:	07
Disposal Method:	Transfer Station
Tons:	0.45
Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	1994
Gepaid:	CAL000049240
Contact:	Bev Marshall
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Other empty containers 30 gallons or more
TSD EPA ID:	CAT000646117
TSD County:	16
Disposal Method:	Not reported
Tons:	0.135
Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	1994
Gepaid:	CAL000049240
Contact:	Bev Marshall
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Other organic solids
TSD EPA ID:	CAD980884183
TSD County:	34
Disposal Method:	Transfer Station
Tons:	0.2
Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	1994
Gepaid:	CAL000049240
Contact:	Bev Marshall
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Liquids with pH <= 2
TSD EPA ID:	CAD980884183
TSD County:	34
Disposal Method:	Not reported
Tons:	0.3502
Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE

BERINGER - ICON III PROJECT (Continued) **S105661872**

Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	1994
Gepaid:	CAL000049240
Contact:	Bev Marshall
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Other organic solids
TSD EPA ID:	CAD980884183
TSD County:	34
Disposal Method:	Not reported
Tons:	0.6

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	1994
Gepaid:	CAL000049240
Contact:	Bev Marshall
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Off-specification, aged or surplus organics
TSD EPA ID:	CAD980884183
TSD County:	34
Disposal Method:	Transfer Station
Tons:	0.1486

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	1994
Gepaid:	CAL000049240
Contact:	Bev Marshall
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Off-specification, aged or surplus organics
TSD EPA ID:	CAD980884183
TSD County:	34
Disposal Method:	Not reported
Tons:	0.0165

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	1994
Gepaid:	CAL000049240
Contact:	Bev Marshall
Telephone:	7073027575

BERINGER - ICON III PROJECT (Continued) **S105661872**

Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Off-specification, aged or surplus organics
TSD EPA ID:	CAD008302903
TSD County:	19
Disposal Method:	Not reported
Tons:	0.1815

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2014
Gepaid:	CAL000049240
Contact:	BEV MARSHALL
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Laboratory waste chemicals
TSD EPA ID:	UTD981552177
TSD County:	99
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0025

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2013
Gepaid:	CAL000049240
Contact:	Bev Marshall
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE
Gen County:	28
Waste Category:	Unspecified solvent mixture
TSD EPA ID:	CAD980887418
TSD County:	01
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.18

Click this hyperlink while viewing on your computer to access
10 additional CA HAZNET: record(s) in the EDR Site Report.

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945740000
Year:	2015
Gepaid:	CAL000049240
Contact:	BEV MARSHALL
Telephone:	7073027575
Mailing Name:	Not reported
Mailing Address:	1000 PRATT AVE

BERINGER - ICON III PROJECT (Continued) **S105661872**

Gen County:	28
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
TSD EPA ID:	CAD059494310
TSD County:	43
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075

Click this hyperlink while viewing on your computer to access
10 additional CA HAZNET: record(s) in the EDR Site Report.

NPDES:

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	182400
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 28I002904
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/02/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1000 Pratt Avenue
Discharge Name:	Beringer Vineyards
Discharge City:	St Helena
Discharge State:	California
Discharge Zip:	94574
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	182400
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28I002904
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported

BERINGER - ICON III PROJECT (Continued) **S105661872**

Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/02/1992
Status:	Active
Status Date:	04/02/1992
Place Size:	64
Place Size Unit:	Acres
Contact:	Pat Gravesen
Contact Title:	Maintenance Manager
Contact Phone:	707-302-7762
Contact Phone Ext:	Not reported
Contact Email:	pat.gravesen@tweglobal.com
Operator Name:	Beringer Vineyards
Operator Address:	1000 Pratt Avenue
Operator City:	St Helena
Operator State:	California
Operator Zip:	94574
Operator Contact:	Eric Gilliland
Operator Contact Title:	General Manager
Operator Contact Phone:	707-265-5268
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	eric.gilliland@tweglobal.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	707-486-4683
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Napa River
Certifier:	Eric Gilliland
Certifier Title:	Director of Operations

BERINGER - ICON III PROJECT (Continued) **S105661872**

Certification Date:	08-MAR-16
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	182400
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28I002904
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/02/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Beringer Vineyards
Discharge Address:	1000 Pratt Avenue
Discharge City:	St Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported

BERINGER - ICON III PROJECT (Continued) **S105661872**

Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	BERINGER VINEYARDS
Address:	1000 PRATT AVE
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 28I002904
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/02/1992
Operator Name:	Beringer Vineyards
Operator Address:	1000 Pratt Avenue
Operator City:	St Helena
Operator State:	California
Operator Zip:	94574

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported

BERINGER - ICON III PROJECT (Continued) **S105661872**

Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	182400
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28I002904
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/02/1992
Status:	Active
Status Date:	04/02/1992
Place Size:	64
Place Size Unit:	Acres
Contact:	Pat Gravesen
Contact Title:	Maintenance Manager
Contact Phone:	707-302-7762
Contact Phone Ext:	Not reported
Contact Email:	pat.gravesen@tweglobal.com
Operator Name:	Beringer Vineyards
Operator Address:	1000 Pratt Avenue
Operator City:	St Helena
Operator State:	California
Operator Zip:	94574
Operator Contact:	Eric Gilliland
Operator Contact Title:	General Manager
Operator Contact Phone:	707-265-5268
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	eric.gilliland@tweglobal.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	707-486-4683
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

BERINGER - ICON III PROJECT (Continued) **S105661872**

Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Napa River
Certifier:	Eric Gilliland
Certifier Title:	Director of Operations
Certification Date:	08-MAR-16
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	182400
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28I002904
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/02/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Beringer Vineyards
Discharge Address:	1000 Pratt Avenue
Discharge City:	St Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported

BERINGER - ICON III PROJECT (Continued) **S105661872**

Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	BERINGER - ICON III PROJECT
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 28C380554
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported

BERINGER - ICON III PROJECT (Continued) **S105661872**

Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	07/13/2018
Operator Name:	Beringer Vineyards
Operator Address:	1000 Pratt Avenue
Operator City:	St Helena
Operator State:	California
Operator Zip:	94574

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	487468
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	2 28C380554
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/30/2017
Processed Date:	07/25/2017
Status:	Active
Status Date:	07/25/2017
Place Size:	53
Place Size Unit:	Acres
Contact:	Eric Fitz
Contact Title:	Environmental Engineer
Contact Phone:	707-967-7207
Contact Phone Ext:	Not reported
Contact Email:	eric.fitz@tweglobal.com
Operator Name:	Beringer Vineyards
Operator Address:	1000 Pratt Avenue
Operator City:	St Helena
Operator State:	California
Operator Zip:	94574
Operator Contact:	Eric Fitz
Operator Contact Title:	Environmental Engineer
Operator Contact Phone:	707-967-7207
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	eric.fitz@tweglobal.com
Operator Type:	Private Business
Developer:	Beringer Vineyards
Developer Address:	1000 Pratt Avenue
Developer City:	St Helena
Developer State:	California
Developer Zip:	94574
Developer Contact:	Eric Fitz

BERINGER - ICON III PROJECT (Continued) **S105661872**

Developer Contact Title:	Environmental Engineer
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Tank Farm Improvements and Developments
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Eric Fitz
Certifier Title:	Environmental Engineer
Certification Date:	30-JUN-17
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	487468
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28C380554
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/25/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Beringer Vineyards
Discharge Address:	1000 Pratt Avenue
Discharge City:	St Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported

BERINGER - ICON III PROJECT (Continued) **S105661872**

Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	BERINGER - ICON III PROJECT
Address:	1000 PRATT AVENUE
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	2
Agency Number:	0
Regulatory Measure ID:	487468

BERINGER - ICON III PROJECT (Continued) **S105661872**

Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	2 28C380554
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/25/2017
Termination Date Of Regulatory Measure:	06/19/2018
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1000 Pratt Avenue
Discharge Name:	Beringer Vineyards
Discharge City:	St Helena
Discharge State:	California
Discharge Zip:	94574
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	487468
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	2 28C380554
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/30/2017
Processed Date:	07/25/2017
Status:	Active
Status Date:	07/25/2017
Place Size:	53
Place Size Unit:	Acres
Contact:	Eric Fitz
Contact Title:	Environmental Engineer
Contact Phone:	707-967-7207
Contact Phone Ext:	Not reported
Contact Email:	eric.fitz@tweglobal.com
Operator Name:	Beringer Vineyards
Operator Address:	1000 Pratt Avenue
Operator City:	St Helena
Operator State:	California
Operator Zip:	94574

BERINGER - ICON III PROJECT (Continued) **S105661872**

Operator Contact:	Eric Fitz
Operator Contact Title:	Environmental Engineer
Operator Contact Phone:	707-967-7207
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	eric.fitz@tweglobal.com
Operator Type:	Private Business
Developer:	Beringer Vineyards
Developer Address:	1000 Pratt Avenue
Developer City:	St Helena
Developer State:	California
Developer Zip:	94574
Developer Contact:	Eric Fitz
Developer Contact Title:	Environmental Engineer
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Tank Farm Improvements and Developments
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Eric Fitz
Certifier Title:	Environmental Engineer
Certification Date:	30-JUN-17
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	487468
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28C380554
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/25/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Beringer Vineyards
Discharge Address:	1000 Pratt Avenue

BERINGER - ICON III PROJECT (Continued) **S105661872**

Discharge City:	St Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

BERINGER - ICON III PROJECT (Continued) **S105661872**

Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:
Name: BERINGER VINEYARDS
Address: 1000 PRATT AVE
City,State,Zip: SAINT HELENA, CA 94574
Agency: Beringer Vineyards
Agency Address: 1000 Pratt Avenue, St Helena, CA 94574
Place/Project Type: Industrial - Wines, Brandy, and Brandy Spirits
SIC/NAICS: 2084
Region: 2
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 28I002904
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 04/02/1992
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.51133
Longitude: -122.47654

Name: BERINGER - ICON III PROJECT
Address: 1000 PRATT AVENUE
City,State,Zip: SAINT HELENA, CA 94574
Agency: Beringer Vineyards
Agency Address: 1000 Pratt Avenue, St Helena, CA 94574
Place/Project Type: Construction - Other: Tank Farm Improvements and Developments
SIC/NAICS: Not reported
Region: 2
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 2 28C380554
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 07/25/2017
Termination Date: 06/19/2018
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.512364

BERINGER - ICON III PROJECT (Continued) **S105661872**

Longitude: -122.478842

O85 **CHMIRS** **S105670184**
Target Property **1000 PRATT AVE.**
SAINT HELENA, CA 94574 **N/A**

Site 8 of 17 in cluster O

Actual:
254 ft.

Focus Map:
13

CHMIRS:

Name:	Not reported
Address:	1000 PRATT AVE.
City,State,Zip:	SAINT HELENA, CA 94574
OES Incident Number:	2-6990
OES notification:	12/23/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	York Creek
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Beringer Wines
Incident Date:	12/23/200212:00:00 AM
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business

(Continued) **S105670184**

E Date:	Not reported
Substance:	Cabernet Wine
Gallons:	3500
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release was discovered this morning coming out of a partially opened valve.
Name:	Not reported
Address:	1000 PRATT AVE.
City,State,Zip:	SAINT HELENA, CA 94574
OES Incident Number:	1-7036
OES notification:	12/04/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	York Creek
Spill Site:	Not reported

(Continued) **S105670184**

Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Beringer Blass Wine Estates
Incident Date:	12/4/200112:00:00 AM
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Treated winery waste water;;;
Unknown:	Unk.
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP's neighbor advised her of physical failure of the dike which caused this release. The fluids flowed into York Creek which feeds into the Napa River. The Napa River is not believed to be a source of drinking water. Samples have been taken to dettermine the BOD, the river is flowing and it's appearance is no different from entry to down stream.

O86 **CHMIRS** **S100277438**
Target Property **1000 PRATTE AVENUE** **N/A**
ST. HELENA, CA 94574

Site 9 of 17 in cluster O

Actual: **254 ft.**
Focus Map: **13**

CHMIRS:

Name:	Not reported
Address:	1000 PRATTE AVENUE
City,State,Zip:	ST. HELENA, CA 94574
OES Incident Number:	116262
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**03-APR-91**
Property Use:	700
Agency Id Number:	28724

(Continued) **S100277438**

Agency Incident Number:	HF 161
Time Notified:	2250
Time Completed:	2340
Surrounding Area:	500
Estimated Temperature:	50
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	JAQUELINE BERTAINA
Report Date:	04-APR-91
Facility Telephone:	707 253-4269
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	03-APR-91
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	22-JUN-92
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Y

(Continued) **S100277438**

Description: Not reported

O87 **BERINGER VINEYARDS** **HIST FTTS** **1008175658**
Target **1000 PRATT AVE** **N/A**
Property **ST HELENA, CA 94574**

Site 10 of 17 in cluster O

Actual: **254 ft.**
Focus Map: **13**

HIST FTTS:
Case Number: Not reported
Docket Number: EPCRA09-89-0014
Complaint Issue Date: 06/22/1989
Abatement Amount: 0.0000
Proposed Penalty: 17000.0000
Final Assessment: 11000.0000
Final Order Date: 02/01/1990
Close Date: / /
Violations(s): EPCRA, Nonreporting/Failure to RPT to EPA

O88 **BERINGER VINEYARDS** **FTTS** **1010001348**
Target **1000 PRATT AVE** **N/A**
Property **SAINT HELENA, CA 94574**

Site 11 of 17 in cluster O

Actual: **254 ft.**
Focus Map: **13**

FTTS INSP:
Inspection Number: 19881212R0902 1
Region: 09
Inspection Date: 12/12/88
Inspector: KALLO
Violation occurred: Yes
Investigation Type: EPCRA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: EPCRA
Facility Function: User

O89 **BERINGER VINEYARDS** **FINDS** **1004443418**
Target **1000 PRATT AVENUE** **ECHO** **N/A**
Property **SAINT HELENA, CA 94574**

Site 12 of 17 in cluster O

Actual: **254 ft.**
Focus Map: **13**

FINDS:
Registry ID: 110000515069

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
AIR EMISSIONS CLASSIFICATION UNKNOWN

BERINGER VINEYARDS (Continued) **1004443418**

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

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

ECHO:

Envid:	1004443418
Registry ID:	110000515069
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000515069

O90 **BERINGER VINEYARDS** **HIST FTTS** **1008175657**
Target **1000 PRATT AVE** **WDS** **N/A**
Property **SAINT HELENA, CA 94574**

Site 13 of 17 in cluster O

Actual: 254 ft.

Focus Map: 13

HIST FTTS INSP:

Inspection Number:	19881212R0902 1
Region:	09
Inspection Date:	Not reported
Inspector:	KALLO
Violation occurred:	Yes
Investigation Type:	EPCRA, Enforcement, SEE Conducted
Investigation Reason:	Neutral Scheme, Region
Legislation Code:	EPCRA
Facility Function:	User

WDS:

Name:	BERINGER VINEYARDS
Address:	1000 Pratt Ave
City:	SAINT HELENA
Facility ID:	San Francisco Bay 28I002904
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

BERINGER VINEYARDS (Continued) **1008175657**

Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	7079637115
Facility Contact:	MEECHAN KATHY
Agency Name:	BERINGER WINE EST
Agency Address:	PO Box 111
Agency City,St,Zip:	Saint Helena 945740111
Agency Contact:	MEECHAN KATHY
Agency Telephone:	7079637115
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

O91 **BERINGER VINEYARDS** **FTTS** **1010001349**
Target **1000 PRATT AVE** **N/A**
Property **ST HELENA, CA 94574**

Site 14 of 17 in cluster O

Actual: **254 ft.**

Focus Map: **13**

FTTS:

Case Number:	Not reported
Docket Number:	EPCRA09-89-0014
Complaint Issue Date:	06/22/89
Abatement Amount:	0.0000
Proposed Penalty:	17000.0000
Final Assessment:	11000.0000
Final Order Date:	02/01/90
Close Date:	/ /
Violations(s):	EPCRA, Nonreporting/Failure to RPT to EPA

O92 **BERINGER VINEYARDS** **RCRA NonGen / NLR** **1024788738**
Target **1000 PRATT AVE** **CAL000049240**
Property **SAINT HELENA, CA 94574**

Site 15 of 17 in cluster O

Actual:
254 ft.

Focus Map:
13

RCRA NonGen / NLR:

Date form received by agency:	1992-02-28 00:00:00.0
Facility name:	BERINGER VINEYARDS
Facility address:	1000 PRATT AVE SAINT HELENA, CA 94574-0000
EPA ID:	CAL000049240
Contact:	BEV MARSHALL
Contact address:	1000 PRATT AVENUE ST. HELENA, CA 94574
Contact country:	Not reported
Contact telephone:	707-302-7575
Contact email:	BEV.MARSHALL@TWEGLOBAL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TREASURY WINE ESTATES
Owner/operator address:	PO BOX 4500 NAPA, CA 94558
Owner/operator country:	Not reported
Owner/operator telephone:	707-259-4500
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BEV MARSHALL
Owner/operator address:	1000 PRATT AVENUE ST. HELENA, CA 94574
Owner/operator country:	Not reported
Owner/operator telephone:	707-302-7575
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

BERINGER VINEYARDS (Continued) **1024788738**

Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

O93 **ERNS** **9166568**
Target Property **1000 PRATT AVENUE** **N/A**
ST. HELENA, CA 94574

Site 16 of 17 in cluster O

Actual: 254 ft.

Focus Map: 13

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

O94 **BERINGER VINEYARDS** **RMP** **1011816641**
Target Property **1000 PRATT AVENUE** **N/A**
ST. HELENA, CA 94574

Site 17 of 17 in cluster O

Actual: 254 ft.

Focus Map: 13

RMP:

Facility ID:	5823
LEPC city:	California Coastal Region
Facility decimal latitude:	38.513444
Facility decimal longitude:	-122.479528
Is facility in county box:	T
LatLong method:	A3
LatLong description:	AS
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parent's name:	Beringer Wine Estates
Partner's name:	Not reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	Beringer Wine Estates
Operator's telephone:	7079637115
Operator's address:	1000 Pratt Avenue
Operators City,St,Zip:	St. Helena, CA 94574
RMP implementation contact:	Kathy Meechan
RMP contact title:	Dir Quality and Environmental Mgt
Emergency contact:	Hank Hathaway
Emergency contact title:	Maintenance Supervisor
Emergency contact telephone:	7079637115
24 hour emergency telephone:	7079637201
Emergency contact ext/pin #:	Not reported
Number of full time employees:	187

BERINGER VINEYARDS (Continued) **1011816641**

EPA ID: CAL 000049240
Facility ID provided by CEPPO: 100000070914
Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: T
Is fac. covered by CAA Title V 112(2): F
Clean air op. permit/State ID: Not reported
Last safety insp. dat: 1998-08-28 00:00:00
Inspected by: Napa County Env Health Dept
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: First Time
RMP description: Not reported
Facility has no accident hist. recs: False
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 1999-06-30 00:00:00
Date of error Report: Not reported
Date RMP received: 1999-06-21 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*Submit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 1999-06-19 00:00:00
Is RMP complete: True
Date of de-registration: 2000-02-16 00:00:00
Date de-registration is effective: 2000-01-31 00:00:00
Aniversary date: 2004-06-19 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 1.1.5
FRS latitude: 38.511760000000002
FRS longitude: -122.47613
FRS Description: PLANT ENTRANCE (GENERAL)
FRS Method: ADDRESS MATCHING-HOUSE NUMBER

RMP:
Process ID: 6974
NA & Industry Classification Sys.code(s): 111332
NAICS code description: Grape Vineyards
Optional facility description: Ammonia Refrigeration
Program level: 3
Record contains CBI data: False

RMP:
Chemical name: Ammonia (anhydrous)
Process chemical qty in 100s lbs: 10500
Process flammable chemical name: Not reported

RMP:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported

BERINGER VINEYARDS (Continued) **1011816641**

Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

RMP:
Percent weight of chemical: Not reported
Physical state: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: Not reported
Stability class: Not reported
Topography: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

RMP:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

RMP:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported

BERINGER VINEYARDS (Continued) **1011816641**

Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0
Process flammable chemical name:	Not reported

RMP:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported

BERINGER VINEYARDS (Continued) **1011816641**

Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

RMP:
Percent weight of chemical: Not reported
Physical state: c
Analytical basic: EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: 10
Release rate in pounds per second: Not reported
Wind speed in meters/second: 1.5
Stability class: F
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

RMP:
Endpoint used: Not reported
LFL value: Not reported
Analytical basic: Not reported
Scenario: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Active mitigation: Not reported

RMP:
Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported
Safety review date: Not reported
Most recent PHA date: Not reported
Process Hazard Analysis: Not reported
Expected PHA changes completion date: Not reported
Major Hazard: Not reported
Process Control: Not reported
Mitigation Systems: Not reported
Monitoring/Detection: Not reported
Changes since the last process hazard analysis: Not reported
Most recent review of op. procedures: Not reported
Most recent training progs review/update: Not reported
Training: Not reported
Competency testing: Not reported
Most recent maintenance review date: Not reported
Most recent equipment inspection date: Not reported

BERINGER VINEYARDS (Continued) **1011816641**

Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported

RMP:

ER plan:	Not reported
ER plan most recent review date:	1999-02-18 00:00:00
ER plan most recent employee training date:	1998-05-01 00:00:00
Local agency coordinating ER plan:	Napa County Dept of Env Management
Telephone of the coordinating local agency:	7072534471
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

P95 **BERINGER WINERY- YORK CREEK BANK STABILIZATION** **CERS** **S123101408**
Target **N/A**
Property **SAINT HELENA, CA 94574**

Site 1 of 2 in cluster P

Actual: **277 ft.**
Focus Map: **13**

CERS:

Name:	BERINGER WINERY- YORK CREEK BANK STABILIZATION
Address:	Not reported
City,State,Zip:	SAINT HELENA, CA 94574
Site ID:	441014
CERS ID:	846543
CERS Description:	Wetlands - Fill and Dredge Material

P96 **BERINGER WINERY- YORK CREEK BANK STABILIZATION** **CIWQS** **S122830013**
Target **N/A**
Property **SAINT HELENA, CA 94574**

Site 2 of 2 in cluster P

Actual: **277 ft.**
Focus Map: **13**

CIWQS:

Name:	BERINGER WINERY- YORK CREEK BANK STABILIZATION
Address:	Not reported
City,State,Zip:	SAINT HELENA, CA 94574
Agency:	Treasury Wine Estates Americas Company
Agency Address:	610 Airpark Road, Napa, CA 94558
Place/Project Type:	Dredge/Fill Site
SIC/NAICS:	Not reported
Region:	2
Program:	CERFILLEXC
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee - 401 Certification
Order Number:	SB12006GN
WDID:	2 CW420939
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	07/16/2018
Termination Date:	Not reported
Expiration/Review Date:	07/16/2038
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.51179
Longitude:	-122.48024

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97 **LOUER, ROGER** **UST** **U003114667**
WSW **3241 EHLER LANE** **N/A**
< 1/8 **ST HELENA, CA**
0.012 mi.
64 ft.

Actual: **266 ft.**
Focus Map: **11**

NAPA CO. UST:

Name:	LOUER, ROGER
Address:	3241 EHLER LANE
City,State,Zip:	ST HELENA

LOUER, ROGER (Continued) **U003114667**

Facility ID: NAPA0611
Permit ID: Not reported
Facility Status: Not reported
Permit Type: Not reported
District: Not reported
Num of Tanks: 0

A98 **STERLING VINEYARDS** **CERS HAZ WASTE** **S113133757**
NE **1111 DUNAWEAL LN** **HAZNET** **N/A**
< 1/8 **CALISTOGA, CA 94515** **CERS**
0.014 mi.
73 ft. **Site 4 of 7 in cluster A**

Actual:
323 ft.

Focus Map:
5

CERS HAZ WASTE:
Name: STERLING VINEYARDS
Address: 1111 DUNAWEAL LN
City,State,Zip: CALISTOGA, CA 94515
Site ID: 402917
CERS ID: 10172343
CERS Description: Hazardous Waste Generator

HAZNET:
Name: STERLING VINEYARDS
Address: 1111 DUNAWEAL LN
Address 2: Not reported
City,State,Zip: CALISTOGA, CA 945150000
Year: 2015
Gepaid: CAL000286002
Contact: TRISH DANBY
Telephone: 7079423508
Mailing Name: Not reported
Mailing Address: PO BOX 365
Gen County: 28
Waste Category: Unspecified organic liquid mixture
TSD EPA ID: CAD059494310
TSD County: 43
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.051

Name: STERLING VINEYARDS
Address: 1111 DUNAWEAL LN
Address 2: Not reported
City,State,Zip: CALISTOGA, CA 945150000
Year: 2015
Gepaid: CAL000286002
Contact: TRISH DANBY
Telephone: 7079423508
Mailing Name: Not reported
Mailing Address: PO BOX 365
Gen County: 28
Waste Category: Liquids with pH <= 2
TSD EPA ID: NVT330010000
TSD County: 99
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.015

STERLING VINEYARDS (Continued) **S113133757**

Name:	STERLING VINEYARDS
Address:	1111 DUNAWEAL LN
Address 2:	Not reported
City,State,Zip:	CALISTOGA, CA 945150000
Year:	2015
Gepaid:	CAL000286002
Contact:	TRISH DANBY
Telephone:	7079423508
Mailing Name:	Not reported
Mailing Address:	PO BOX 365
Gen County:	28
Waste Category:	Alkaline solution without metals pH >= 12.5
TSD EPA ID:	NVT330010000
TSD County:	99
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.02

Name:	STERLING VINEYARDS
Address:	1111 DUNAWEAL LN
Address 2:	Not reported
City,State,Zip:	CALISTOGA, CA 945150000
Year:	2015
Gepaid:	CAL000286002
Contact:	TRISH DANBY
Telephone:	7079423508
Mailing Name:	Not reported
Mailing Address:	PO BOX 365
Gen County:	28
Waste Category:	Off-specification, aged or surplus organics
TSD EPA ID:	CAD059494310
TSD County:	43
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1408

Name:	STERLING VINEYARDS
Address:	1111 DUNAWEAL LN
Address 2:	Not reported
City,State,Zip:	CALISTOGA, CA 945150000
Year:	2015
Gepaid:	CAL000286002
Contact:	TRISH DANBY
Telephone:	7079423508
Mailing Name:	Not reported
Mailing Address:	PO BOX 365
Gen County:	28
Waste Category:	Off-specification, aged or surplus inorganics
TSD EPA ID:	CAD059494310
TSD County:	43
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00417

Name:	STERLING VINEYARDS
Address:	1111 DUNAWEAL LN
Address 2:	Not reported

STERLING VINEYARDS (Continued) **S113133757**

City,State,Zip:	CALISTOGA, CA 945150000
Year:	2015
Gepaid:	CAL000286002
Contact:	TRISH DANBY
Telephone:	7079423508
Mailing Name:	Not reported
Mailing Address:	PO BOX 365
Gen County:	28
Waste Category:	Off-specification, aged or surplus organics
TSD EPA ID:	NVT330010000
TSD County:	99
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.2
Name:	STERLING VINEYARDS
Address:	1111 DUNAWEAL LN
Address 2:	Not reported
City,State,Zip:	CALISTOGA, CA 945150000
Year:	2006
Gepaid:	CAL000286002
Contact:	TRISH DANBY
Telephone:	7079423508
Mailing Name:	Not reported
Mailing Address:	PO BOX 365
Gen County:	28
Waste Category:	Waste oil and mixed oil
TSD EPA ID:	CAD980884183
TSD County:	34
Disposal Method:	Transfer Station
Tons:	0.114
Name:	STERLING VINEYARDS
Address:	1111 DUNAWEAL LN
Address 2:	Not reported
City,State,Zip:	CALISTOGA, CA 945150000
Year:	2007
Gepaid:	CAL000286002
Contact:	TRISH DANBY
Telephone:	7079423508
Mailing Name:	Not reported
Mailing Address:	PO BOX 365
Gen County:	28
Waste Category:	Off-specification, aged or surplus organics
TSD EPA ID:	CAD980884183
TSD County:	34
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.066
Name:	STERLING VINEYARDS
Address:	1111 DUNAWEAL LN
Address 2:	Not reported
City,State,Zip:	CALISTOGA, CA 945150000
Year:	2008
Gepaid:	CAL000286002
Contact:	TRISH DANBY

STERLING VINEYARDS (Continued) **S113133757**

Telephone: 7079423508
Mailing Name: Not reported
Mailing Address: PO BOX 365
Gen County: 28
Waste Category: Unspecified oil-containing waste
TSD EPA ID: CAD980884183
TSD County: 34
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.06255

Name: STERLING VINEYARDS
Address: 1111 DUNAWEAL LN
Address 2: Not reported
City,State,Zip: CALISTOGA, CA 945150000
Year: 2013
Gepaid: CAL000286002
Contact: TRISH DANBY
Telephone: 7079423508
Mailing Name: Not reported
Mailing Address: PO BOX 365
Gen County: 28
Waste Category: Unspecified oil-containing waste
TSD EPA ID: NVT330010000
TSD County: 99
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.15

Click this hyperlink while viewing on your computer to access
16 additional CA HAZNET: record(s) in the EDR Site Report.

Name: STERLING VINEYARDS
Address: 1111 DUNAWEAL LN
Address 2: Not reported
City,State,Zip: CALISTOGA, CA 945150000
Year: 2012
Gepaid: CAL000286002
Contact: TRISH DANBY
Telephone: 7079423508
Mailing Name: Not reported
Mailing Address: PO BOX 365
Gen County: 28
Waste Category: Other inorganic solid waste
TSD EPA ID: CAD059494310
TSD County: 43
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0015

Click this hyperlink while viewing on your computer to access
16 additional CA HAZNET: record(s) in the EDR Site Report.

CERS:
Name: STERLING VINEYARDS
Address: 1111 DUNAWEAL LN
City,State,Zip: CALISTOGA, CA 94515

STERLING VINEYARDS (Continued) **S113133757**

Site ID: 402917
CERS ID: 10172343
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 402917
Site Name: STERLING VINEYARDS
Violation Date: 12-14-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 01/09/2019. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Calcite(limestone) and Krystal Klear to be added to CERS. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility hazardous materials stored properly. Spill kit near 500 gallon diesel tank would reduce risk of hazardous material release.
Eval Division: Napa County Department of Environmental Management

STERLING VINEYARDS (Continued) **S113133757**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 212121
Eval Division: Napa County Department of Environmental Management
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 402917
Facility Name: STERLING VINEYARDS
Env Int Type Code: HMBP
Program ID: 10172343
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 38.568740
Longitude: -122.547130

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Eric Fitz
Entity Title: Not reported
Affiliation Address: 1000 Pratt Avenue
Affiliation City: St. Helena
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1111 DUNAWEAL LN
Affiliation City: CALISTOGA

STERLING VINEYARDS (Continued) **S113133757**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94515
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Paul Schlieder
Entity Title:	Manager - Maintenance, Facilities & Projects
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	PO Box 4500
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94558
Affiliation Phone:	(707) 259-4500
Affiliation Type Desc:	Operator
Entity Name:	Paul Schlieder
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 942-3329
Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417
Affiliation Type Desc:	Document Preparer
Entity Name:	Bev Marshall

STERLING VINEYARDS (Continued) **S113133757**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

A99 **STERLING VINEYARDS** **RCRA NonGen / NLR** **1024809685**
NE **1111 DUNAWEAL LN** **CAL000286002**
< 1/8 **CALISTOGA, CA 94515**
0.014 mi.
73 ft. **Site 5 of 7 in cluster A**

Actual:
323 ft.

Focus Map:
5

RCRA NonGen / NLR:

Date form received by agency:	2004-08-26 00:00:00.0
Facility name:	STERLING VINEYARDS
Facility address:	1111 DUNAWEAL LN CALISTOGA, CA 94515-0000
EPA ID:	CAL000286002
Mailing address:	PO BOX 365 1111 DUNAWEAL LANE CALISTOGA, CA 94515-0000
Contact:	ERIC FITZ
Contact address:	1000 PRATT AVE ST HELENA, CA 94574
Contact country:	Not reported
Contact telephone:	707-967-7207
Contact email:	ERIC.FITZ@TWEGLOBAL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TREASURY WINE ESTATE
Owner/operator address:	555 GATEWAY NAPA, CA 94558
Owner/operator country:	Not reported
Owner/operator telephone:	707-259-4500
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ERIC FITZ
Owner/operator address:	1000 PRATT AVE ST HELENA, CA 94574
Owner/operator country:	Not reported
Owner/operator telephone:	707-967-7207
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other

STERLING VINEYARDS (Continued) **1024809685**

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

A100 **STERLING VINEYARDS** **HIST UST** **U001596456**
NE **1111 DUNAWEAL LN** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.014 mi.
73 ft. **Site 6 of 7 in cluster A**

Actual:
323 ft.

Focus Map:
5

HIST UST:
Name: STERLING VINEYARDS
Address: 1111 DUNAWEAL LN
City,State,Zip: CALISTOGA, CA 94515
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000035318
Facility Type: Other
Other Type: WINERY OR VINEYARD
Contact Name: TUCKER CATLIN
Telephone: 7079425151
Owner Name: STERLING VINEYARDS
Owner Address: 1111 DUNAWGAL LANE
Owner City,St,Zip: CALISTOGA, CA 94515
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

A101
NE
< 1/8
0.014 mi.
73 ft.

STERLING VINEYARDS
1111 DUNAWEAL LANE
CALISTOGA, CA 94515

Site 7 of 7 in cluster A

RCRA-SQG **1000594574**
FINDS **CAD983584152**
ECHO

Actual:
323 ft.

Focus Map:
5

RCRA-SQG:

Date form received by agency:	1991-06-03 00:00:00.0
Facility name:	STERLING VINEYARDS
Facility address:	1111 DUNAWEAL LANE CALISTOGA, CA 94515
EPA ID:	CAD983584152
Contact:	ED WHEELER
Contact address:	1111 DUNAWEAL LANE CALISTOGA, CA 94515
Contact country:	US
Contact telephone:	707-942-3330
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	JOSEPH E SEAGRAM AND SONS INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

STERLING VINEYARDS (Continued) **1000594574**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110070317297

Environmental Interest/Information System
OSHA ESTABLISHMENT
Registry ID: 110002845672

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
OSHA ESTABLISHMENT
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
STATE MASTER

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

ECHO:
Envid: 1000594574
Registry ID: 110002845672
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002845672

E102 **GIN PROPERTY** **LUST** **S101299178**
WSW **3473 ST HELENA HWY** **NPDES** **N/A**
< 1/8 **ST HELENA, CA 94574** **CIWQS**
0.015 mi. **CERS**
79 ft. **Site 8 of 8 in cluster E**

Actual:
300 ft.

Focus Map:
10

LUST REG 2:

Region:	2
Facility Id:	28-0226
Facility Status:	Leak being confirmed
Case Number:	28-0226
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	3/26/1993
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

LUST:

Name:	GIN PROPERTY
Address:	3473 ST HELENA HWY
City,State,Zip:	ST HELENA, CA 94574
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605591140
Global Id:	T0605591140
Latitude:	38.33932
Longitude:	-122.32301
Status:	Completed - Case Closed
Status Date:	11/29/2004
Case Worker:	UUU
RB Case Number:	28-0226
Local Agency:	NAPA COUNTY
File Location:	Not reported
Local Case Number:	28-0226
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605591140
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0605591140
Contact Type:	Local Agency Caseworker
Contact Name:	UST CASE WORKER
Organization Name:	NAPA COUNTY
Address:	1195 THIRD ST., ROOM 101

GIN PROPERTY (Continued) **S101299178**

City: NAPA
Email: Not reported
Phone Number: 7072534269

LUST:
Global Id: T0605591140
Action Type: RESPONSE
Date: 07/06/2000
Action: Soil and Water Investigation Report

Global Id: T0605591140
Action Type: RESPONSE
Date: 12/08/2004
Action: Soil and Water Investigation Report

Global Id: T0605591140
Action Type: RESPONSE
Date: 11/08/2004
Action: Other Report / Document

Global Id: T0605591140
Action Type: Other
Date: 02/16/1993
Action: Leak Stopped

Global Id: T0605591140
Action Type: Other
Date: 03/22/1993
Action: Leak Reported

Global Id: T0605591140
Action Type: ENFORCEMENT
Date: 05/11/2000
Action: 13267 Requirement

Global Id: T0605591140
Action Type: ENFORCEMENT
Date: 11/29/2004
Action: Closure/No Further Action Letter

Global Id: T0605591140
Action Type: ENFORCEMENT
Date: 10/08/2004
Action: 13267 Requirement

Global Id: T0605591140
Action Type: Other
Date: 02/16/1993
Action: Leak Discovery

LUST:
Global Id: T0605591140
Status: Open - Case Begin Date
Status Date: 02/16/1993

Global Id: T0605591140

GIN PROPERTY (Continued) **S101299178**

Status: Open - Site Assessment
Status Date: 03/26/1993

Global Id: T0605591140
Status: Completed - Case Closed
Status Date: 11/29/2004

NPDES:
Name: GOLDSTEIN RESIDENCE
Address: 3473 ST HELENA HIGHWAY
City,State,Zip: SAINT HELENA, CA 94574
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 2 28C371076
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 05/30/2017
Operator Name: Jon Goldstein
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 2
Regulatory Measure ID: 449993
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 2 28C371076
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 05/30/2017
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported

GIN PROPERTY (Continued) **S101299178**

Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	10/02/2014
Processed Date:	10/07/2014
Status:	Terminated
Status Date:	05/30/2017
Place Size:	16.8
Place Size Unit:	Acres
Contact:	Jon Goldstein
Contact Title:	Owner
Contact Phone:	650-352-9350
Contact Phone Ext:	Not reported
Contact Email:	jon@cwallc.com
Operator Name:	Jon Goldstein
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Individual
Developer:	Jon Goldstein
Developer Address:	3473 Saint Helena Highway North
Developer City:	Saint Helena
Developer State:	California
Developer Zip:	94574
Developer Contact:	Jon Goldstein
Developer Contact Title:	Owner
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	Y
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Jon Goldstein
Certifier Title:	Mr
Certification Date:	02-OCT-14
Primary Sic:	Not reported
Secondary Sic:	Not reported

GIN PROPERTY (Continued) **S101299178**

Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	2
Regulatory Measure ID:	449993
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28C371076
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/30/2017
Discharge Name:	Jon Goldstein
Discharge Address:	3473 Saint Helena Highway North
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported

GIN PROPERTY (Continued) **S101299178**

Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	GOLDSTEIN RESIDENCE
Address:	3473 ST HELENA HIGHWAY
City,State,Zip:	SAINT HELENA, CA 94574
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	2
Agency Number:	0
Regulatory Measure ID:	449993
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	2 28C371076
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2014
Termination Date Of Regulatory Measure:	05/30/2017
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	3473 Saint Helena Highway North
Discharge Name:	Jon Goldstein
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	449993

GIN PROPERTY (Continued) **S101299178**

Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	2 28C371076
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/30/2017
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	10/02/2014
Processed Date:	10/07/2014
Status:	Terminated
Status Date:	05/30/2017
Place Size:	16.8
Place Size Unit:	Acres
Contact:	Jon Goldstein
Contact Title:	Owner
Contact Phone:	650-352-9350
Contact Phone Ext:	Not reported
Contact Email:	jon@cwallc.com
Operator Name:	Jon Goldstein
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Individual
Developer:	Jon Goldstein
Developer Address:	3473 Saint Helena Highway North
Developer City:	Saint Helena
Developer State:	California
Developer Zip:	94574
Developer Contact:	Jon Goldstein
Developer Contact Title:	Owner
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N

GIN PROPERTY (Continued) **S101299178**

Constype Residential Ind:	Y
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Jon Goldstein
Certifier Title:	Mr
Certification Date:	02-OCT-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	2
Regulatory Measure ID:	449993
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28C371076
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/30/2017
Discharge Name:	Jon Goldstein
Discharge Address:	3473 Saint Helena Highway North
Discharge City:	Saint Helena
Discharge State:	California
Discharge Zip:	94574
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported

GIN PROPERTY (Continued) **S101299178**

Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	GOLDSTEIN RESIDENCE
Address:	3473 ST HELENA HIGHWAY
City,State,Zip:	SAINT HELENA, CA 94574
Agency:	Jon Goldstein
Agency Address:	3473 Saint Helena Highway North, Saint Helena, CA 94574
Place/Project Type:	Construction - Residential
SIC/NAICS:	Not reported
Region:	2
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	2 28C371076
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/07/2014
Termination Date:	05/30/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported

GIN PROPERTY (Continued) **S101299178**

Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.54529
Longitude: -122.51252

CERS:
Name: GIN PROPERTY
Address: 3473 ST HELENA HWY
City,State,Zip: ST HELENA, CA 94574
Site ID: 242828
CERS ID: T0605591140
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: UST CASE WORKER - NAPA COUNTY
Entity Title: Not reported
Affiliation Address: 1195 THIRD ST., ROOM 101
Affiliation City: NAPA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7072534269

M103 **GREYSTONE WINERY** **HIST UST** **S118410793**
SSW **DEER PARK ROAD AND HIGHWAY 29** **N/A**
< 1/8 **ST HELENA, CA 94574**
0.016 mi.
85 ft. **Site 4 of 6 in cluster M**

Actual:
241 ft.

Focus Map:
13

HIST UST:
Name: GREYSTONE WINERY
Address: DEER PARK ROAD AND HIGHWAY 29
City,State,Zip: ST HELENA, CA 94574
File Number: 0002B016
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B016.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

GREYSTONE WINERY (Continued) **S118410793**

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

M104 **GREYSTONE WINERY** **HIST UST** **U001598300**
SSW **DEER PARK ROAD & HIGHWAY 29** **N/A**
< 1/8 **ST. HELENA, CA 94574**
0.016 mi.
85 ft. **Site 5 of 6 in cluster M**

Actual:
241 ft.

Focus Map:
13

HIST UST:

Name:	GREYSTONE WINERY
Address:	DEER PARK ROAD & HIGHWAY 29
City,State,Zip:	ST. HELENA, CA 94574
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000037585
Facility Type:	Other
Other Type:	Not reported
Contact Name:	BILL BOLLEN
Telephone:	7079634480
Owner Name:	MONT LA SALLE VINEYARDS
Owner Address:	4411 REDWOOD ROAD
Owner City,St,Zip:	NAPA, CA 94558
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	03100000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

M105 **MONT LASALLE VINEYARDS/GREYSTONE WINERY** **SWEEPS UST** **S106929580**
SSW **DEER PK RD & HWY 29** **N/A**
< 1/8 **SAINT HELENA, CA 94574**
0.016 mi.
85 ft. **Site 6 of 6 in cluster M**

Actual: SWEEPS UST:
241 ft.

Name:	MONT LASALLE VINEYARDS/GREYSTONE WINERY
Address:	DEER PK RD & HWY 29
City:	SAINT HELENA
Status:	Not reported
Comp Number:	37585
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	28-000-037585-000001
Tank Status:	Not reported
Capacity:	1
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	1

Focus Map:
13

B106 **SILVERADO SERVICE CENTER** **AST** **A100324963**
NNE **1192 MAPLE LANE** **N/A**
< 1/8 **CALISTOGA, CA**
0.016 mi.
86 ft. **Site 3 of 4 in cluster B**

Actual: AST:
315 ft.

Name:	SILVERADO SERVICE CENTER
Address:	1192 MAPLE LANE
City/Zip:	CALISTOGA,
Certified Unified Program Agencies:	Napa
Owner:	PACIFIC GAS & ELECTRIC COMPANY
Total Gallons:	1,500
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported

Focus Map:
5

SILVERADO SERVICE CENTER (Continued) **A100324963**

Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

B107 **PG AND E SILVERADO SVC CENTER** **RCRA-SQG** **1001217380**
NNE **1192 MAPLE LN** **FINDS** **CAR000033209**
< 1/8 **CALISTOGA, CA 94515** **ECHO**
0.016 mi.
86 ft. **Site 4 of 4 in cluster B**

Actual:
315 ft.

Focus Map:
5

RCRA-SQG:
Date form received by agency: 1997-10-24 00:00:00.0
Facility name: PG AND E SILVERADO SVC CENTER
Facility address: 1192 MAPLE LN
CALISTOGA, CA 94515
EPA ID: CAR000033209
Contact: STEVE BYERLY
Contact address: 1220 ANDERSEN DR
SAN RAFAEL, CA 94901
Contact country: US
Contact telephone: 415-485-6176
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: PACIFIC GAS AND ELECTRIC CO
Owner/operator address: P O BOX 77000
SAN FRANCISCO, CA 94177
Owner/operator country: Not reported
Owner/operator telephone: 415-973-7000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

PG AND E SILVERADO SVC CENTER (Continued) **1001217380**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110002919799

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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

ECHO:

Envid: 1001217380
Registry ID: 110002919799
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002919799

108
SW
< 1/8
0.019 mi.
101 ft.

CAIRDEAN VINEYARDS LLC
3125 ST HELENA HIGHWAY
SAINT HELENA, CA 94574

RCRA-SQG **1023674919**
CAP000269308

Actual:
297 ft.

Focus Map:
13

RCRA-SQG:

Date form received by agency:	2016-11-01 03:00:00.0
Facility name:	CAIRDEAN VINEYARDS LLC
Facility address:	3125 ST HELENA HIGHWAY SAINT HELENA, CA 94574
EPA ID:	CAP000269308
Mailing address:	ST HELENA HIGHWAY SAINT HELENA, CA 94574
Contact:	MARCUS MARQUEZ
Contact address:	ST HELENA HIGHWAY SAINT HELENA, CA 94574
Contact country:	US
Contact telephone:	707-200-1120
Contact email:	MARCUS@BRASSWOOD.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	STACIA DOWDELL
Owner/operator address:	ST HELENA HIGHWAY SAINT HELENA, CA 94574
Owner/operator country:	US
Owner/operator telephone:	707-906-5434
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2010-02-01 03:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	CAIRDEAN VINEYARD LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2010-02-01 03:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

CAIRDEAN VINEYARDS LLC (Continued) **1023674919**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: D004
. Waste name: ARSENIC

Violation Status: No violations found

---

109 ESE < 1/8 0.020 mi. 107 ft.

Actual: 261 ft.

Focus Map: 13

LINO GUIDICI **SWEEPS UST U001598317**
999 PRATT AVE **HIST UST N/A**
SAINT HELENA, CA 94574

SWEEPS UST:

Name:	LINO GUIDICI
Address:	999 PRATT AVE
City:	SAINT HELENA
Status:	Active
Comp Number:	59648
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	1
SWRCB Tank Id:	28-000-059648-000001
Tank Status:	A
Capacity:	500
Active Date:	07-01-85
Tank Use:	EMPTY
STG:	P
Content:	Not reported
Number Of Tanks:	1

HIST UST:

Name:	LINO GUIDICI
Address:	999 PRATT AVE
City,State,Zip:	SAINT HELENA, CA 94574
File Number:	0002AFDF
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AFDF.pdf
Region:	STATE

LINO GUIDICI (Continued) **U001598317**

Facility ID:	00000059648
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	7079632558
Owner Name:	LINO GUIDICI
Owner Address:	999 PRATT AVE.
Owner City,St,Zip:	SAINT HELENA, CA 94574
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1936
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

I110 **BUCKHORN TRAILER PARK** **UST** **U003114978**
WSW **3043 ST HELENA HWY** **N/A**
< 1/8 **ST HELENA, CA**
0.022 mi.
118 ft. **Site 8 of 8 in cluster I**

Actual: **314 ft.**
Focus Map: **13**

NAPA CO. UST:

Name:	BUCKHORN TRAILER PARK
Address:	3043 ST HELENA HWY
City,State,Zip:	ST HELENA
Facility ID:	NAPA0388
Permit ID:	Not reported
Facility Status:	Not reported
Permit Type:	Not reported
District:	Not reported
Num of Tanks:	0

---

111 **PAT GOLDEN** **UST** **U003114989**
WSW **3291 ST. HELENA HWY** **N/A**
< 1/8 **ST HELENA, CA**
0.024 mi.
125 ft.

Actual: **319 ft.**
Focus Map: **10**

NAPA CO. UST:

Name:	PAT GOLDEN
Address:	3291 ST. HELENA HWY
City,State,Zip:	ST HELENA
Facility ID:	NAPA0636
Permit ID:	Not reported
Facility Status:	Not reported
Permit Type:	Not reported
District:	Not reported
Num of Tanks:	0

112
WNW
< 1/8
0.024 mi.
126 ft.

CITY OF CALISTOGA WASTE WATER TREATMENT PLANT
1100 DUNAWEAL LN
CALISTOGA, CA 94515

RCRA NonGen / NLR

1024816063
CAL000316210

Actual:
314 ft.

Focus Map:
5

RCRA NonGen / NLR:

Date form received by agency:	2007-02-07 00:00:00.0
Facility name:	CITY OF CALISTOGA WASTE WATER TREATMENT PLANT
Facility address:	1100 DUNAWEAL LN CALISTOGA, CA 94515-9798
EPA ID:	CAL000316210
Mailing address:	1232 WASHINGTON ST CALISTOGA, CA 94515-1440
Contact:	LOUISE HARRISON
Contact address:	1232 WASHINGTON ST CALISTOGA, CA 94515
Contact country:	Not reported
Contact telephone:	707-942-2780
Contact email:	LHARRISON@CI.CALISTOGA.CA.US
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CITY OF CALISTOGA
Owner/operator address:	1232 WASHINGTON ST CALISTOGA, CA 94515
Owner/operator country:	Not reported
Owner/operator telephone:	707-942-2828
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	LOUISE HARRISON
Owner/operator address:	1232 WASHINGTON ST CALISTOGA, CA 94515
Owner/operator country:	Not reported
Owner/operator telephone:	707-942-2780
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CITY OF CALISTOGA WASTE WATER TREATMENT PLANT (Continued) **1024816063**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Q113 **HEUBLEIN FINE WINE GROUPS** **UST** **U003114981**
NNE **3996 ST HELENA HWY** **N/A**
< 1/8 **CALISTOGA, CA**
0.026 mi.
136 ft. **Site 1 of 4 in cluster Q**

Actual:
347 ft.

Focus Map:
6

NAPA CO. UST:
Name: HEUBLEIN FINE WINE GROUPS
Address: 3996 ST HELENA HWY
City,State,Zip: CALISTOGA
Facility ID: NAPA0592
Permit ID: Not reported
Facility Status: Not reported
Permit Type: Not reported
District: Not reported
Num of Tanks: 0

R114 **BERINGER VINEYARDS** **LUST** **U003114822**
SW **2000 MAIN ST** **UST** **N/A**
< 1/8 **ST HELENA, CA** **HIST CORTESE**
0.032 mi. **CERS**
168 ft. **Site 1 of 2 in cluster R**

Actual:
279 ft.

Focus Map:
13

NAPA CO. LUST:
Name: BERINGER VINEYARDS
Address: 2000 MAIN ST
City,State,Zip: SAINT HELENA, CA 94574
Permit ID: 249071
Status: Open
Permit Type: Non-LOP
District: 0

LUST REG 2:
Region: 2
Facility Id: 28-0019
Facility Status: Case Closed
Case Number: 28-0019
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 2/2/1996
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported

BERINGER VINEYARDS (Continued) **U003114822**

Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST:
Name: BERINGER VINEYARDS
Address: 2000 MAIN ST
City,State,Zip: ST HELENA, CA 94574
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605500018
Global Id: T0605500018
Latitude: 38.510629
Longitude: -122.478241
Status: Completed - Case Closed
Status Date: 06/27/1997
Case Worker: UUU
RB Case Number: 28-0019
Local Agency: NAPA COUNTY
File Location: Not reported
Local Case Number: 28-0019
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0605500018
Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Global Id: T0605500018
Contact Type: Local Agency Caseworker
Contact Name: UST CASE WORKER
Organization Name: NAPA COUNTY
Address: 1195 THIRD ST., ROOM 101
City: NAPA
Email: Not reported
Phone Number: 7072534269

LUST:
Global Id: T0605500018
Action Type: Other
Date: 08/23/1989
Action: Leak Stopped

Global Id: T0605500018
Action Type: Other
Date: 08/23/1989
Action: Leak Reported

Global Id: T0605500018
Action Type: Other

BERINGER VINEYARDS (Continued) **U003114822**

Date: 08/23/1989
Action: Leak Discovery

LUST:
Global Id: T0605500018
Status: Open - Case Begin Date
Status Date: 08/23/1989

Global Id: T0605500018
Status: Open - Site Assessment
Status Date: 02/02/1996

Global Id: T0605500018
Status: Completed - Case Closed
Status Date: 06/27/1997

NAPA CO. UST:
Name: BERINGER VINEYARDS
Address: 2000 MAIN ST
City,State,Zip: ST HELENA
Facility ID: NAPA0020
Permit ID: Not reported
Facility Status: Not reported
Permit Type: Not reported
District: Not reported
Num of Tanks: 0

HIST CORTESE:
edr_fname: BERINGER VINEYARDS
edr_fadd1: 2000 MAIN
City,State,Zip: ST HELENA, CA
Region: CORTESE
Facility County Code: 28
Reg By: LTNKA
Reg Id: 28-0019

CERS:
Name: BERINGER VINEYARDS
Address: 2000 MAIN ST
City,State,Zip: ST HELENA, CA 94574
Site ID: 187071
CERS ID: T0605500018
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

BERINGER VINEYARDS (Continued) **U003114822**

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	UST CASE WORKER - NAPA COUNTY
Entity Title:	Not reported
Affiliation Address:	1195 THIRD ST., ROOM 101
Affiliation City:	NAPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7072534269

R115 **BERINGER VINEYARDS** **HIST UST** **U001598273**
SW **2000 MAIN STREET** **N/A**
< 1/8 **ST HELENA, CA 94574**
0.032 mi.
168 ft. **Site 2 of 2 in cluster R**

Actual: **279 ft.**
Focus Map: **13**

HIST UST:

Name:	BERINGER VINEYARDS
Address:	2000 MAIN STREET
City,State,Zip:	ST HELENA, CA 94574
File Number:	0001F027
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F027.pdf
Region:	STATE
Facility ID:	00000001413
Facility Type:	Other
Other Type:	WINERY
Contact Name:	GUY W. KAY
Telephone:	7079637115
Owner Name:	WINE WORLD, INC.
Owner Address:	2000 MAIN STREET,
Owner City,St,Zip:	ST. HELENA, CA 94574
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

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116 **CDF ST HELENA FORESTRY STATION** **LUST** **U003114758**
SW **3535 HWY 29 N** **CERS** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.035 mi.
185 ft.

Actual: **295 ft.**
Focus Map: **10**

LUST REG 2:

Region:	2
Facility Id:	28-0317
Facility Status:	Leak being confirmed
Case Number:	0201

CDF ST HELENA FORESTRY STATION (Continued) **U003114758**

How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 8/15/1996
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST:
Name: CDF ST HELENA FORESTRY STATION
Address: 3535 HWY 29 N
City,State,Zip: CALISTOGA, CA 94515-
Lead Agency: NAPA COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605500272
Global Id: T0605500272
Latitude: 38.547372
Longitude: -122.511812
Status: Completed - Case Closed
Status Date: 11/13/2012
Case Worker: JTN
RB Case Number: 28-0317
Local Agency: NAPA COUNTY
File Location: Local Agency
Local Case Number: 0201
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0605500272
Contact Type: Local Agency Caseworker
Contact Name: James Newman, P.G., C.E.G.
Organization Name: NAPA COUNTY
Address: 1195 THIRD STREET, SUITE 101
City: NAPA
Email: james.newman@countyofnapa.org
Phone Number: Not reported

LUST:
Global Id: T0605500272
Action Type: Other
Date: 08/15/1996
Action: Leak Discovery

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 06/16/2011
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 10/14/2010

CDF ST HELENA FORESTRY STATION (Continued) **U003114758**

Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 11/08/2011
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 06/16/2011
Action: Staff Letter

Global Id: T0605500272
Action Type: Other
Date: 08/15/1996
Action: Leak Stopped

Global Id: T0605500272
Action Type: REMEDIATION
Date: 02/26/1996
Action: Excavation

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 12/02/2011
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 02/28/2012
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 09/07/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 09/05/2012
Action: LOP Case Closure Summary to RB

Global Id: T0605500272
Action Type: Other
Date: 08/15/1996
Action: Leak Reported

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 10/30/2008
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 11/13/2012
Action: Closure/No Further Action Letter

CDF ST HELENA FORESTRY STATION (Continued) **U003114758**

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 01/16/2009
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 05/04/2009
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 07/13/2009
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 09/11/2009
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 09/14/2009
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 01/19/2006
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 03/30/2010
Action: Staff Letter

Global Id: T0605500272
Action Type: ENFORCEMENT
Date: 03/31/2010
Action: Staff Letter

LUST:
Global Id: T0605500272
Status: Open - Case Begin Date
Status Date: 08/15/1996

Global Id: T0605500272
Status: Open - Site Assessment
Status Date: 08/15/1996

Global Id: T0605500272
Status: Open - Site Assessment
Status Date: 02/11/2008

Global Id: T0605500272
Status: Open - Verification Monitoring
Status Date: 10/11/2011

CDF ST HELENA FORESTRY STATION (Continued) **U003114758**

Global Id: T0605500272
Status: Completed - Case Closed
Status Date: 11/13/2012

CERS:
Name: CDF ST HELENA FORESTRY STATION
Address: 3535 HWY 29 N
City,State,Zip: CALISTOGA, CA 94515-
Site ID: 239767
CERS ID: T0605500272
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: James Newman, P.G., C.E.G. - NAPA COUNTY
Entity Title: Not reported
Affiliation Address: 1195 THIRD STREET, SUITE 101
Affiliation City: NAPA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Q117 **WRIGHT PROPERTY** **UST** **U003114732**
NNE **3703 SAINT HELENA HWY** **N/A**
< 1/8 **CALISTOGA, CA**
0.055 mi.
290 ft. **Site 2 of 4 in cluster Q**

Actual: **341 ft.**

Focus Map: **6**

NAPA CO. UST:
Name: WRIGHT PROPERTY
Address: 3703 SAINT HELENA HWY
City,State,Zip: CALISTOGA
Facility ID: NAPA0403
Permit ID: Not reported
Facility Status: Not reported
Permit Type: Not reported
District: Not reported
Num of Tanks: 0

Q118 **MADRIGAL VINEYARD MANAGEMENT LLC** **RCRA NonGen / NLR** **1024806297**
NNE **3718 N. ST. HELENA HWY** **CAL000268179**
< 1/8 **CALISTOGA, CA 94515**
0.062 mi.
326 ft. **Site 3 of 4 in cluster Q**

Actual: **340 ft.**

Focus Map: **6**

RCRA NonGen / NLR:
Date form received by agency: 2003-03-25 00:00:00.0
Facility name: MADRIGAL VINEYARD MANAGEMENT LLC
Facility address: 3718 N. ST. HELENA HWY
CALISTOGA, CA 94515
EPA ID: CAL000268179
Mailing address: PO BOX 937
CALISTOGA, CA 94515-0000

MADRIGAL VINEYARD MANAGEMENT LLC (Continued) **1024806297**

Contact: JESUS MADRIGAL
Contact address: PO BOX 937
CALISTOGA, CA 94515
Contact country: Not reported
Contact telephone: 707-942-6577
Contact email: MISTI@MADRIGALVYDMGMT.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JESUS MADRIGAL
Owner/operator address: PO BOX 937
CALISTOGA, CA 94515
Owner/operator country: Not reported
Owner/operator telephone: 707-942-6577
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JESUS MADRIGAL
Owner/operator address: PO BOX 937
CALISTOGA, CA 94515
Owner/operator country: Not reported
Owner/operator telephone: 707-942-6577
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Q119
NNE
< 1/8
0.062 mi.
326 ft.

MADRIGAL VINEYARDS
3720 SAINT HELENA HWY
CALISTOGA, CA 94515

Site 4 of 4 in cluster Q

CERS HAZ WASTE
CERS

S121786133
N/A

Actual:
340 ft.

Focus Map:
6

CERS HAZ WASTE:

Name:	MADRIGAL VINEYARDS
Address:	3720 SAINT HELENA HWY
City,State,Zip:	CALISTOGA, CA 94515
Site ID:	46022
CERS ID:	10171501
CERS Description:	Hazardous Waste Generator

CERS:

Name:	MADRIGAL VINEYARDS
Address:	3720 SAINT HELENA HWY
City,State,Zip:	CALISTOGA, CA 94515
Site ID:	46022
CERS ID:	10171501
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-28-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-26-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-28-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-26-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	HW
Eval Source:	CERS

MADRIGAL VINEYARDS (Continued) **S121786133**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

Affiliation Type Desc:	Environmental Contact
Entity Name:	Rob
Entity Title:	Not reported
Affiliation Address:	3720 Saint Helena Hwy.
Affiliation City:	Calistoga
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94515
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Jesus Madrigal
Entity Title:	Not reported
Affiliation Address:	PO Box 937
Affiliation City:	Calistoga
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94515
Affiliation Phone:	(707) 942-6577

Affiliation Type Desc:	Document Preparer
Entity Name:	Rob Higgins
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Madrigal Vineyard Management
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 942-6577

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 937
Affiliation City:	Calistoga
Affiliation State:	CA

MADRIGAL VINEYARDS (Continued) **S121786133**

Affiliation Country:	Not reported
Affiliation Zip:	94515
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Misti Harrell
Entity Title:	ceo
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Madrigal Vineyard Management
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

S120 **BEAR FLATS VINEYARD** **AST** **A100417584**
NNE **3690 SAINT HELENA HWY N** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.066 mi.
351 ft. **Site 1 of 3 in cluster S**

Actual:
339 ft.

Focus Map:
6

AST:

Name:	BEAR FLATS VINEYARD
Address:	3690 SAINT HELENA HWY N
City/Zip:	CALISTOGA,94515
Certified Unified Program Agencies:	Not reported
Owner:	Treasury Chateau & Estates Wine
Total Gallons:	Not reported
CERSID:	10172345
Facility ID:	Not reported
Business Name:	Diageo Chateau & Estate Wines
Phone:	805 235 7805
Fax:	Not reported
Mailing Address:	1000 Pratt Avenue
Mailing Address City:	St. Helena
Mailing Address State:	CA
Mailing Address Zip Code:	94574
Operator Name:	Bear Flats Vineyard
Operator Phone:	805 235 7805
Owner Phone:	805 235 7805
Owner Mail Address:	1000 Pratt Avenue
Owner State:	CA
Owner Zip Code:	94574
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported

BEAR FLATS VINEYARD (Continued) **A100417584**

Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000296631

S121 **NORTHERN VINEYARDS SHOP** **AST** **A100338150**
NNE **3690 ST. HELENA HWY.** **N/A**
< 1/8 **CALISTOGA, CA**
0.066 mi.
351 ft. **Site 2 of 3 in cluster S**

Actual: AST:
339 ft.

Name:	NORTHERN VINEYARDS SHOP
Address:	3690 ST. HELENA HWY.
City/Zip:	CALISTOGA,
Certified Unified Program Agencies:	Napa
Owner:	DIAGEO CHATEAU &
Total Gallons:	3,490
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

Focus Map:
6

S122 **BEAR FLATS VINEYARD** **CERS HAZ WASTE** **S121790955**
NNE **3690 SAINT HELENA HWY N** **CERS TANKS** **N/A**
< 1/8 **CALISTOGA, CA 94515** **CERS**
0.066 mi.
351 ft. **Site 3 of 3 in cluster S**

Actual: CERS HAZ WASTE:
339 ft.

Name:	BEAR FLATS VINEYARD
Address:	3690 SAINT HELENA HWY N
City,State,Zip:	CALISTOGA, CA 94515
Site ID:	71452
CERS ID:	10172345
CERS Description:	Hazardous Waste Generator

Focus Map:
6

BEAR FLATS VINEYARD (Continued) **S121790955**

CERS TANKS:
Name: BEAR FLATS VINEYARD
Address: 3690 SAINT HELENA HWY N
City,State,Zip: CALISTOGA, CA 94515
Site ID: 71452
CERS ID: 10172345
CERS Description: Aboveground Petroleum Storage

CERS:
Name: BEAR FLATS VINEYARD
Address: 3690 SAINT HELENA HWY N
City,State,Zip: CALISTOGA, CA 94515
Site ID: 71452
CERS ID: 10172345
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 71452
Site Name: Bear Flats Vineyard
Violation Date: 01-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 03/23/2017. Observed nine 500 gallon propane tanks and approximately 2000 lbs of sulfur which were not in submitted inventory. Also, the propane by the shop was listed as 60 gallons. It was labeled as 450 liters on the tank. Please confirm size of this propane tank and report in gallons. If you do the conversion, I don't believe 60 gallons is correct. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 71452
Site Name: Bear Flats Vineyard
Violation Date: 01-19-2017
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 03/28/2017.

BEAR FLATS VINEYARD (Continued) **S121790955**

Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Site ID: 71452
Site Name: Bear Flats Vineyard
Violation Date: 04-15-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/15/2015. Accumulation start date was not marked on the used antifreeze drum. This violation was corrected on site.
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-15-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

BEAR FLATS VINEYARD (Continued) **S121790955**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-15-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Napa County Department of Environmental Management
Eval Program:	APSA
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

Affiliation Type Desc:	Operator
Entity Name:	Bear Flats Vineyard
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 235-7805

Affiliation Type Desc:	Parent Corporation
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Avenue attn: Bridget Walsh
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported

BEAR FLATS VINEYARD (Continued) **S121790955**

Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Bridget Walsh
Entity Title:	HSE Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Bridget Walsh
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Treasury Wine Estates
Entity Title:	Not reported
Affiliation Address:	1000 Pratt Avenue
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(805) 235-7805

T123 **HEITZ BROS VINEYARDS** **SWEEPS UST** **U001596433**
SSW **4111 HEITZ WAY** **HIST UST** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.068 mi.
358 ft. **Site 1 of 2 in cluster T**

Actual:
321 ft.

Focus Map:
5

SWEEPS UST:

Name:	HEITZ BROS VINEYARDS
Address:	4111 HEITZ WAY
City:	CALISTOGA
Status:	Active
Comp Number:	15895
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	#1
SWRCB Tank Id:	28-000-015895-000001
Tank Status:	A
Capacity:	300
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P

HEITZ BROS VINEYARDS (Continued) **U001596433**

Content: LEADED
Number Of Tanks: 3

Name: HEITZ BROS VINEYARDS
Address: 4111 HEITZ WAY
City: CALISTOGA
Status: Active
Comp Number: 15895
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: #2
SWRCB Tank Id: 28-000-015895-000002
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: HEITZ BROS VINEYARDS
Address: 4111 HEITZ WAY
City: CALISTOGA
Status: Active
Comp Number: 15895
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: #3
SWRCB Tank Id: 28-000-015895-000003
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:
Name: HEITZ BROS VINEYARDS
Address: 4111 HEITZ WAY
City,State,Zip: CALISTOGA, CA 94515
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000015895
Facility Type: Other
Other Type: RANCH
Contact Name: MARK HEITZ
Telephone: 7072555004
Owner Name: HEITZ BROS. VINEYARDS
Owner Address: 611 CASSWALL STREET

HEITZ BROS VINEYARDS (Continued) **U001596433**

Owner City,St,Zip:	NAPA, CA 94558
Total Tanks:	0003
Tank Num:	001
Container Num:	#1
Year Installed:	1963
Tank Capacity:	00000300
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	#2
Year Installed:	1963
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	003
Container Num:	#3
Year Installed:	1963
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

T124 **HEITZ BROS VINEYARDS** **HIST UST** **S118411044**
SSW **4111 HEITZ WAY CALISTOGA** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.068 mi.
358 ft. **Site 2 of 2 in cluster T**

Actual: **321 ft.**

Focus Map: **5**

HIST UST:

Name:	HEITZ BROS VINEYARDS
Address:	4111 HEITZ WAY CALISTOGA
City,State,Zip:	CALISTOGA, CA 94515
File Number:	0002AF40
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AF40.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported

HEITZ BROS VINEYARDS (Continued) **S118411044**

Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

U125 **TURLEY WINE CELLARS INC.** **AST** **A100425501**
ENE **3358 ST. HELENA HWY** **N/A**
< 1/8 **SAINT HELENA, CA 94574**
0.078 mi.
412 ft. **Site 1 of 3 in cluster U**

Actual: **332 ft.**
Focus Map: **10**

AST:

Name:	TURLEY WINE CELLARS INC.
Address:	3358 ST. HELENA HWY
City/Zip:	SAINT HELENA,94574
Certified Unified Program Agencies:	Not reported
Owner:	Larry Turley
Total Gallons:	Not reported
CERSID:	10172477
Facility ID:	Not reported
Business Name:	TURLEY WINE CELLARS INC.
Phone:	(707) 963-0940
Fax:	Not reported
Mailing Address:	3358 St. Helena hwy.
Mailing Address City:	St. helena
Mailing Address State:	CA
Mailing Address Zip Code:	94574
Operator Name:	Turley Wine Cellars
Operator Phone:	707-963-0940
Owner Phone:	707-963-0940
Owner Mail Address:	3358 St. Helena hwy
Owner State:	CA
Owner Zip Code:	94574
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000245061

U126 **TURLEY WINE CELLARS** **RCRA NonGen / NLR** **1024802548**
ENE **3358 ST HELENA HWY** **CAL000245061**
< 1/8 **SAINT HELENA, CA 94574**
0.078 mi.
412 ft. **Site 2 of 3 in cluster U**

Actual: **332 ft.**
Focus Map: **10**

RCRA NonGen / NLR:

Date form received by agency:	2002-03-08 00:00:00.0
Facility name:	TURLEY WINE CELLARS
Facility address:	3358 ST HELENA HWY SAINT HELENA, CA 94574-0000
EPA ID:	CAL000245061

TURLEY WINE CELLARS (Continued) **1024802548**

Contact: MIKE SCHIEFFER
Contact address: 3358 ST HELENA HWY
SAINT HELENA, CA 94574
Contact country: Not reported
Contact telephone: 707-963-0940
Contact email: MIKE@TURLEYWINECELLARS.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MIKE SCHIEFFER
Owner/operator address: 3358 ST HELENA HWY
SAINT HELENA, CA 94574
Owner/operator country: Not reported
Owner/operator telephone: 707-963-0940
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LARRY TURLEY
Owner/operator address: 3358 ST HELENA HWY
SAINT HELENA, CA 94574
Owner/operator country: Not reported
Owner/operator telephone: 707-963-0940
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

U127 **TURLEY WINE CELLARS INC.** **CERS HAZ WASTE** **S121776529**
ENE **3358 ST. HELENA HWY** **CERS** **N/A**
< 1/8 **SAINT HELENA, CA 94574**
0.078 mi.
412 ft. **Site 3 of 3 in cluster U**

Actual:
332 ft.

Focus Map:
10

CERS HAZ WASTE:
Name: TURLEY WINE CELLARS INC.
Address: 3358 ST. HELENA HWY
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 404480
CERS ID: 10172477
CERS Description: Hazardous Waste Generator

CERS:
Name: TURLEY WINE CELLARS INC.
Address: 3358 ST. HELENA HWY
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 404480
CERS ID: 10172477
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 404480
Site Name: TURLEY WINE CELLARS INC.
Violation Date: 02-27-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/28/2014. Observed the electronic submission of the Hazardous Materials Business Plan has not been completed for this site.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 404480
Site Name: TURLEY WINE CELLARS INC.
Violation Date: 09-11-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/11/2018. The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 404480
Site Name: TURLEY WINE CELLARS INC.
Violation Date: 09-11-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22,

TURLEY WINE CELLARS INC. (Continued) **S121776529**

Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 09/11/2018. Drum of used antifreeze located in the mechanic's shop was observed without a hazardous waste label. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Site ID: 404480
Site Name: TURLEY WINE CELLARS INC.
Violation Date: 09-11-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 09/11/2018. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Based on today's Aboveground Storage Tank permit inspection and the information reviewed, no violations were observed.
Eval Division: Napa County Department of Environmental Management
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Waste label added to used antifreeze container.
Eval Division: Napa County Department of Environmental Management
Eval Program: HW

TURLEY WINE CELLARS INC. (Continued) **S121776529**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Oxygen cylinder and tractor oil added to CERS while on site.
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Based on today's Small Quantity Generator inspection and the information reviewed, no violations were observed.
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Napa County Env Mgmt
Entity Title: Not reported
Affiliation Address: 1195 Third Street, Suite 210
Affiliation City: Napa
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94559
Affiliation Phone: (707) 253-4417

Affiliation Type Desc: Environmental Contact
Entity Name: Tegan Passalacqua
Entity Title: Not reported
Affiliation Address: 3358 St. Helena Hwy.
Affiliation City: St. Helena
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 3358 St. Helena hwy.
Affiliation City: St. helena
Affiliation State: CA

TURLEY WINE CELLARS INC. (Continued) **S121776529**

Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Tegan Passalacqua
Entity Title:	Winemaker
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Larry Turley
Entity Title:	Not reported
Affiliation Address:	3358 St. Helena hwy
Affiliation City:	St. helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 963-0940
Affiliation Type Desc:	Operator
Entity Name:	Turley Wine Cellars
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 963-0940
Affiliation Type Desc:	Parent Corporation
Entity Name:	TURLEY WINE CELLARS INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Tegan Passalacqua
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

V128 **ST. HELENA FOREST FIRE STATION** **SWEEPS UST** **S106932500**
NNE **3535 N ST HELENA HWY** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.081 mi.
426 ft. **Site 1 of 9 in cluster V**

Actual: SWEEPS UST:
313 ft.
Name: ST. HELENA FOREST FIRE STATION
Address: 3535 N ST HELENA HWY
Focus Map: City: CALISTOGA
10 Status: Active
Comp Number: 23329
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: 7
SWRCB Tank Id: 28-000-023329-000001
Tank Status: A
Capacity: 2000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Name: ST. HELENA FOREST FIRE STATION
Address: 3535 N ST HELENA HWY
City: CALISTOGA
Status: Active
Comp Number: 23329
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: 8
SWRCB Tank Id: 28-000-023329-000002
Tank Status: A
Capacity: 2000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

V129 **ST HELENA FOREST FIRE STATION** **LUST** **S119102597**
NNE **3535 ST. HELENA HWY N** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.081 mi.
426 ft. **Site 2 of 9 in cluster V**

Actual: NAPA CO. LUST:
313 ft.
Name: ST HELENA FOREST FIRE STATION
Address: 3535 ST. HELENA HWY N
Focus Map: City,State,Zip: CALISTOGA, CA 94515
10 Permit ID: 248413
Status: Open
Permit Type: Non-LOP

ST HELENA FOREST FIRE STATION (Continued) **S119102597**

District: 0

V130 **CALIF DEPT FORESTRY & FIRE PROTECTION** **RCRA NonGen / NLR** **1024789297**
NNE **3535 SAINT HELENA HWY** **CAL000062864**
< 1/8 **CALISTOGA, CA 94515**
0.081 mi.
426 ft. **Site 3 of 9 in cluster V**

Actual:
313 ft.

Focus Map:
10

RCRA NonGen / NLR:

Date form received by agency:	1992-03-11 00:00:00.0
Facility name:	CALIF DEPT FORESTRY & FIRE PROTECTION
Facility address:	3535 SAINT HELENA HWY CALISTOGA, CA 94515-9615
EPA ID:	CAL000062864
Mailing address:	210 W SAN JACINTO AVE PERRIS, CA 92570-0000
Contact:	LALA RUKH
Contact address:	P.O. BOX 944246 SACRAMENTO, CA 94244-2460
Contact country:	Not reported
Contact telephone:	916-445-0418
Contact email:	LALA.RUKH@FIRE.CA.GOV
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	LALA RUKH
Owner/operator address:	P.O. BOX 944246 SACRAMENTO, CA 94244
Owner/operator country:	Not reported
Owner/operator telephone:	916-445-0418
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CALIF DEPT OF FORESTRY & FIRE PROTC
Owner/operator address:	210 W SAN JACINTO AVE PERRIS, CA 92570
Owner/operator country:	Not reported
Owner/operator telephone:	951-940-6900
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

CALIF DEPT FORESTRY & FIRE PROTECTION (Continued) **1024789297**

Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

V131 **ST. HELENA CAL FIRE STATION** **AST** **A100424827**
NNE **3535 SAINT HELENA HWY** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.081 mi.
426 ft. **Site 4 of 9 in cluster V**

Actual: AST:
313 ft.

Focus Map: **10**

Name:	ST. HELENA CAL FIRE STATION
Address:	3535 SAINT HELENA HWY
City/Zip:	CALISTOGA,94515
Certified Unified Program Agencies:	Not reported
Owner:	Cal Fire
Total Gallons:	Not reported
CERSID:	10455421
Facility ID:	Not reported
Business Name:	CDF: LAS POSADAS FOREST FIRE STAT.
Phone:	707-967-1467
Fax:	Not reported
Mailing Address:	3535 St. Helena
Mailing Address City:	Calistoga
Mailing Address State:	CA
Mailing Address Zip Code:	94515
Operator Name:	Cal Fire
Operator Phone:	707-967-1467
Owner Phone:	(707) 967-1400
Owner Mail Address:	1199 Big Tree Road
Owner State:	CA
Owner Zip Code:	94574
Owner Country:	United States
Property Owner Name:	CAL FIRE
Property Owner Phone:	Not reported
Property Owner Mailing Address:	3535 Saint Helena Hwy
Property Owner City:	Calistoga
Property Owner Stat :	CA
Property Owner Zip Code:	94515
Property Owner Country:	United States
EPAID:	Not reported

V132 **CDF: ST. HELENA FOREST FIRE STATION** **CERS HAZ WASTE** **S121750177**
NNE **3535 SAINT HELENA HWY N** **CERS TANKS** **N/A**
< 1/8 **CALISTOGA, CA 94515** **CERS**
0.081 mi.
426 ft. **Site 5 of 9 in cluster V**

Actual:
313 ft.

Focus Map:
10

CERS HAZ WASTE:
Name: CDF: ST. HELENA FOREST FIRE STATION
Address: 3535 SAINT HELENA HWY N
City,State,Zip: CALISTOGA, CA 94515
Site ID: 17363
CERS ID: 10170717
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CDF: ST. HELENA FOREST FIRE STATION
Address: 3535 SAINT HELENA HWY N
City,State,Zip: CALISTOGA, CA 94515
Site ID: 17363
CERS ID: 10170717
CERS Description: Aboveground Petroleum Storage

CERS:
Name: CDF: ST. HELENA FOREST FIRE STATION
Address: 3535 SAINT HELENA HWY N
City,State,Zip: CALISTOGA, CA 94515
Site ID: 17363
CERS ID: 10170717
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 17363
Site Name: CDF: ST. HELENA FOREST FIRE STATION
Violation Date: 10-20-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 11/04/2014.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 17363
Site Name: CDF: ST. HELENA FOREST FIRE STATION
Violation Date: 10-20-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 11/04/2014.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 17363
Site Name: CDF: ST. HELENA FOREST FIRE STATION
Violation Date: 10-20-2014

CDF: ST. HELENA FOREST FIRE STATION (Continued) **S121750177**

Citation:	HSC 6.5 25250.19(c) - California Health and Safety Code, Chapter 6.5, Section(s) 25250.19(c)
Violation Description:	Failure to retain paperwork documenting disposal of used oil for three years.
Violation Notes:	Returned to compliance on 11/04/2014.
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HW
Violation Source:	CERS
Site ID:	17363
Site Name:	CDF: ST. HELENA FOREST FIRE STATION
Violation Date:	10-20-2014
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes:	Returned to compliance on 11/04/2014.
Violation Division:	Napa County Department of Environmental Management
Violation Program:	APSA
Violation Source:	CERS
Site ID:	17363
Site Name:	CDF: ST. HELENA FOREST FIRE STATION
Violation Date:	10-24-2018
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 10/24/2018. The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	17363
Site Name:	CDF: ST. HELENA FOREST FIRE STATION
Violation Date:	10-20-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/04/2014.
Violation Division:	Napa County Department of Environmental Management

CDF: ST. HELENA FOREST FIRE STATION (Continued) **S121750177**

Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-20-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-20-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-20-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-24-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CERS updated on site with new inventory information
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

CDF: ST. HELENA FOREST FIRE STATION (Continued) **S121750177**

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3535 St. Helena Hwy N
Affiliation City:	Calistoga
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94515
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	CDF: ST. HELENA FOREST FIRE STATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Cal Fire
Entity Title:	Not reported
Affiliation Address:	1199 Big Tree Road
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 967-1400

Affiliation Type Desc:	Environmental Contact
Entity Name:	Jason Martin
Entity Title:	Not reported
Affiliation Address:	3535
Affiliation City:	3535 St. Helena Hwy N
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94515
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Cal Fire
Entity Title:	Not reported
Affiliation Address:	1199 Big Tree Road
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 967-1400

Affiliation Type Desc:	Operator
Entity Name:	Cal Fire
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

CDF: ST. HELENA FOREST FIRE STATION (Continued) **S121750177**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 967-1467
Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

V133 **ST. HELENA FOREST FIRE STATION** **HIST UST** **U001596455**
NNE **3535 SAINT HELENA HWY** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.081 mi.
426 ft. **Site 6 of 9 in cluster V**

Actual:
313 ft.

Focus Map:
10

HIST UST:

Name:	ST. HELENA FOREST FIRE STATION
Address:	3535 SAINT HELENA HWY
City,State,Zip:	CALISTOGA, CA 94515
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000023329
Facility Type:	Other
Other Type:	CDF
Contact Name:	DON MARTINELLI
Telephone:	7079634343
Owner Name:	CALIFORNIA DEPARTMENT FORESTRY
Owner Address:	1416 NINTH ST.
Owner City,St,Zip:	SACRAMENTO, CA 95814
Total Tanks:	0002
Tank Num:	001
Container Num:	7
Year Installed:	1982
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	8
Year Installed:	1982
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

V134 **ST. HELENA FOREST FIRE STATION** **UST** **U003916748**
NNE **3535 SAINT HELENA HWY N** **N/A**
< 1/8 **CALISTOGA, CA**
0.081 mi.
426 ft. **Site 7 of 9 in cluster V**

Actual:
313 ft.

Focus Map:
10

NAPA CO. UST:

Name:	ST. HELENA FOREST FIRE STATION
Address:	3535 SAINT HELENA HWY N
City,State,Zip:	CALISTOGA
Facility ID:	NAPA0201
Permit ID:	Not reported
Facility Status:	Not reported
Permit Type:	Not reported
District:	Not reported
Num of Tanks:	0

V135 **ST HELENA FOREST FIRE STATION** **HIST UST** **S118415592**
NNE **3535 ST HELENA HWYN** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.081 mi.
426 ft. **Site 8 of 9 in cluster V**

Actual:
313 ft.

Focus Map:
10

HIST UST:

Name:	ST HELENA FOREST FIRE STATION
Address:	3535 ST HELENA HWYN
City,State,Zip:	CALISTOGA, CA 94515
File Number:	0002AE4B
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AE4B.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

V136 **CDF: ST. HELENA FOREST FIRE STATION** **AST** **A100418577**
NNE **3535 SAINT HELENA HWY N** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.081 mi.
426 ft. **Site 9 of 9 in cluster V**

Actual:
313 ft.

Focus Map:
10

AST:

Name:	CDF: ST. HELENA FOREST FIRE STATION
Address:	3535 SAINT HELENA HWY N
City/Zip:	CALISTOGA,94515
Certified Unified Program Agencies:	Not reported
Owner:	Cal Fire
Total Gallons:	Not reported
CERSID:	10170717
Facility ID:	Not reported
Business Name:	CDF: ST. HELENA FOREST FIRE STATION
Phone:	707-967-1467
Fax:	Not reported
Mailing Address:	3535 St. Helena Hwy N
Mailing Address City:	Calistoga
Mailing Address State:	CA
Mailing Address Zip Code:	94515
Operator Name:	Cal Fire
Operator Phone:	707-967-1467
Owner Phone:	707-9671400
Owner Mail Address:	1199 Big Tree Road
Owner State:	CA
Owner Zip Code:	94574
Owner Country:	United States
Property Owner Name:	Cal Fire
Property Owner Phone:	707-967-1400
Property Owner Mailing Address:	1199 Big Tree Road
Property Owner City:	St. Helena
Property Owner Stat :	CA
Property Owner Zip Code:	94574
Property Owner Country:	United States
EPAID:	CAL000062864

W137 **FRED A. BERTOLINI** **SWEEPS UST** **S106926430**
NE **1181 YORK LN** **N/A**
< 1/8 **SAINT HELENA, CA 94574**
0.084 mi.
443 ft. **Site 1 of 2 in cluster W**

Actual:
240 ft.

Focus Map:
13

SWEEPS UST:

Name:	FRED A. BERTOLINI
Address:	1181 YORK LN
City:	SAINT HELENA
Status:	Active
Comp Number:	40459
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	1
SWRCB Tank Id:	28-000-040459-000001
Tank Status:	A
Capacity:	500
Active Date:	07-01-85

FRED A. BERTOLINI (Continued) **S106926430**

Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

W138 **FRED A BERTOLINI** **HIST UST** **U001598296**
NE **1181 YORK LANE** **N/A**
< 1/8 **ST HELENA, CA 94574**
0.084 mi.
443 ft. **Site 2 of 2 in cluster W**

Actual: **240 ft.**
Focus Map: **13**

HIST UST:
Name: FRED A BERTOLINI
Address: 1181 YORK LANE
City,State,Zip: ST HELENA, CA 94574
File Number: 0002AF13
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AF13.pdf
Region: STATE
Facility ID: 00000040459
Facility Type: Other
Other Type: RESIDENCE
Contact Name: Not reported
Telephone: 7079632578
Owner Name: FRED A. BERTOLINI
Owner Address: 1181 YORK LANE
Owner City,St,Zip: ST. HELENA, CA 94574
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

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139 **CALISTOGA CITY DUNAWEAL WWTP** **Cortese** **S109424749**
WNW **1185 DUNAWEAL LANE** **ENF** **N/A**
< 1/8 **CALISTOGA, CA 94515**
0.113 mi.
597 ft.

Actual: **318 ft.**
Focus Map: **4**

CORTESE:
Name: CALISTOGA CITY DUNAWEAL WWTP
Address: 1185 DUNAWEAL LANE
City,State,Zip: CALISTOGA, CA 94515
Region: CORTESE
Envirostor Id: Not reported
Global ID: Not reported
Site/Facility Type: Not reported
Cleanup Status: Not reported
Status Date: Not reported
Site Code: Not reported

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	CORTESE
Order No:	R2-2010-0104
Waste Discharge System No:	Not reported
Effective Date:	11/01/2010
Region 2:	2
WID Id:	2 283003001
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Cease Desist Orders & Cleanup Abatement Orders

ENF:

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	375827

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2010-0104
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	1 - Producer
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	07/06/2016
Effective Date:	11/01/2010
Expiration/Review Date:	10/31/2015
Termination Date:	05/31/2016
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	409528
Region:	2
Order / Resolution Number:	R2-2017-1019
Enforcement Action Type:	Admin Civil Liability
Effective Date:	04/18/2017
Adoption/Issuance Date:	04/18/2017
Achieve Date:	Not reported
Termination Date:	04/24/2017
ACL Issuance Date:	Not reported
EPL Issuance Date:	02/09/2017
Status:	Historical
Title:	ACL R2-2017-1019 for Calistoga City PWD
Description:	MMP
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	4/24/2017
# Of Programs1:	1
Total Assessment Amount:	6000
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	375827
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2010-0104
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	1 - Producer
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	07/06/2016
Effective Date:	11/01/2010
Expiration/Review Date:	10/31/2015
Termination Date:	05/31/2016
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Direction/Voice:	Passive
Enforcement Id(EID):	402862
Region:	2
Order / Resolution Number:	R2-2015-1019
Enforcement Action Type:	Admin Civil Liability
Effective Date:	12/23/2015
Adoption/Issuance Date:	12/23/2015
Achieve Date:	Not reported
Termination Date:	02/08/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	12/23/2015
Status:	Historical
Title:	ACL R2-2015-1019 for Calistoga City PWD
Description:	R2-2015-1019 for MMP
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	2/3/2016
# Of Programs1:	1
Total Assessment Amount:	12000
Initial Assessed Amount:	12000
Liability $ Amount:	12000
Project $ Amount:	0
Liability $ Paid:	12000
Project $ Completed:	0
Total $ Paid/Completed Amount:	12000

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	375827
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2010-0104
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	1 - Producer
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	07/06/2016
Effective Date:	11/01/2010
Expiration/Review Date:	10/31/2015
Termination Date:	05/31/2016
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	401447
Region:	2
Order / Resolution Number:	R2-2014-0043
Enforcement Action Type:	Cease and Desist Order
Effective Date:	11/12/2014
Adoption/Issuance Date:	11/12/2014
Achieve Date:	Not reported
Termination Date:	04/13/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CDO R2-2014-0043 for Calistoga City
Description:	Amended by CDO R2-2014-0043 RM# 405700
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	375827
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2010-0104
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	1 - Producer
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	07/06/2016
Effective Date:	11/01/2010
Expiration/Review Date:	10/31/2015
Termination Date:	05/31/2016
WDR Review - Amend:	Not reported

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	389171
Region:	2
Order / Resolution Number:	R2-2013-1016
Enforcement Action Type:	Admin Civil Liability
Effective Date:	05/08/2013
Adoption/Issuance Date:	05/08/2013
Achieve Date:	Not reported
Termination Date:	05/30/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	03/15/2013
Status:	Historical
Title:	ACL R2-2013-1016 for Calistoga City
Description:	MMP
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	3/22/2013
# Of Programs1:	1
Total Assessment Amount:	6000
Initial Assessed Amount:	6000
Liability $ Amount:	6000
Project $ Amount:	0
Liability $ Paid:	6000
Project $ Completed:	0
Total $ Paid/Completed Amount:	6000

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	375827
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2010-0104
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	1 - Producer
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	07/06/2016
Effective Date:	11/01/2010
Expiration/Review Date:	10/31/2015
Termination Date:	05/31/2016
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	386806
Region:	2
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	05/18/2012
Adoption/Issuance Date:	05/18/2012
Achieve Date:	Not reported
Termination Date:	05/18/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 05/18/2012 for Calistoga City
Description:	Initially advised Discharger to begin accellerated monitoring (05/09/2012); concurred with Discharger's decision to terminate river discharge on 05/18/2012,

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

	advised Discharger to continue monitoring and perform a toxicity investigation and evaluation if toxicity continues when river conditions allow for discharge again (probably in Fall / Winter 2012).
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	375827
Reg Measure Type:	NPDES Permits

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Region:	2
Order #:	R2-2010-0104
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	1 - Producer
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	07/06/2016
Effective Date:	11/01/2010
Expiration/Review Date:	10/31/2015
Termination Date:	05/31/2016
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	385373
Region:	2
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	06/01/2012
Adoption/Issuance Date:	06/01/2012
Achieve Date:	Not reported
Termination Date:	07/27/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 06/01/2012 for Calistoga City
Description:	Not reported
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	7/27/2012
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	375827
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2010-0104
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	1 - Producer
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	07/06/2016
Effective Date:	11/01/2010
Expiration/Review Date:	10/31/2015
Termination Date:	05/31/2016
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Enforcement Id(EID):	375828
Region:	2
Order / Resolution Number:	R2-2010-0107
Enforcement Action Type:	Cease and Desist Order
Effective Date:	11/01/2010
Adoption/Issuance Date:	09/08/2010
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	CDO R2-2010-0107 for City of Calistoga
Description:	Cease and Desist Order enforcing Order R2-2010-0104's limits on chlorodibromomethane and dichlorobromomethane.
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	313227
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2006-0066
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	1 - Producer
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	04/26/2011
Effective Date:	12/01/2006
Expiration/Review Date:	02/28/2010
Termination Date:	10/31/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	374193
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	Not reported
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com for Calistoga City
Description:	Email notification that the City failed to identify and notify two violations occurred in December 2007 (CIWQS Id: 870372, 870373)
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	313227
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2006-0066
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	1 - Producer
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	04/26/2011
Effective Date:	12/01/2006

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Expiration/Review Date:	02/28/2010
Termination Date:	10/31/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	372403
Region:	2
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	06/02/2009
Adoption/Issuance Date:	06/02/2009
Achieve Date:	Not reported
Termination Date:	06/02/2009
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com for CALISTOGA CITY
Description:	Emailed the City to notify that the City failed to report acute tox violation within 24-hours or 5 business days.
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	148675
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2000-0131
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	12/01/2006
Effective Date:	11/29/2000
Expiration/Review Date:	11/29/2005
Termination Date:	12/01/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Active
Enforcement Id(EID):	378459
Region:	2
Order / Resolution Number:	R2-2011-0070
Enforcement Action Type:	Admin Civil Liability
Effective Date:	05/06/2011
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/28/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Title:	ACL for Calistoga Dunaweal WWTP
Description:	Not reported
Program:	NPDESWW
Latest Milestone Completion Date:	7/28/2011
# Of Programs1:	1
Total Assessment Amount:	3000
Initial Assessed Amount:	0
Liability $ Amount:	3000
Project $ Amount:	0
Liability $ Paid:	3000
Project $ Completed:	0
Total $ Paid/Completed Amount:	3000

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	148675
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2000-0131

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	12/01/2006
Effective Date:	11/29/2000
Expiration/Review Date:	11/29/2005
Termination Date:	12/01/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	372499
Region:	2
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	Not reported
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for CALISTOGA CITY
Description:	Not reported
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.84
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	148675
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2000-0131
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	12/01/2006
Effective Date:	11/29/2000
Expiration/Review Date:	11/29/2005
Termination Date:	12/01/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	372404
Region:	2

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	06/09/2009
Adoption/Issuance Date:	06/02/2009
Achieve Date:	Not reported
Termination Date:	06/09/2009
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com for CALISTOGA CITY
Description:	Emailed the City to notify that the City failed to report acute tox violation within 24-hours or 5 business days.
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Calistoga City PWD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.83999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Facility Waste Type 4:	Not reported
Program:	NPDMUNIOTH
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 283003001
Reg Measure Id:	148675
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2000-0131
Npdes# CA#:	CA0037966
Major-Minor:	Minor
Npdes Type:	MUN
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	2000
Status:	Historical
Status Date:	12/01/2006
Effective Date:	11/29/2000
Expiration/Review Date:	11/29/2005
Termination Date:	12/01/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Active
Enforcement Id(EID):	353599
Region:	2
Order / Resolution Number:	SWB-2008-2-0005
Enforcement Action Type:	Expedited Payment Letter
Effective Date:	07/24/2008
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	07/24/2008
Status:	Never Active
Title:	Expedited Payment Letter for CALISTOGA CITY
Description:	MMPs for 3 chronic effluent violations = $9,000. No response from discharger.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	405700
Region:	2
Order / Resolution Number:	R2-2016-0019
Enforcement Action Type:	Cease and Desist Order
Effective Date:	04/13/2016
Adoption/Issuance Date:	04/13/2016
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	CDO R2-2016-0019 for Calistoga City PWD
Description:	Amendment to CDO R2-2014-0043 (RM #401447)
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	390329
Region:	2
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	05/13/2013
Adoption/Issuance Date:	05/13/2013
Achieve Date:	Not reported
Termination Date:	06/03/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 05/13/2013 for Calistoga City
Description:	Not reported
Program:	NPDMUNIOTH
Latest Milestone Completion Date:	Not reported

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CALISTOGA CITY DUNAWEAL WWTP
Address:	1185 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Region:	2
Facility Id:	212750
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.578692
Place Longitude:	-122.579288
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported

CALISTOGA CITY DUNAWEAL WWTP (Continued) **S109424749**

Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	246325
Region:	2
Order / Resolution Number:	R2-2002-0015
Enforcement Action Type:	Admin Civil Liability
Effective Date:	12/06/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 283003001
Description:	assess MMPs for 29 violations of NPDES permit limits during the period between 1/1/2000 through 3/31/2002. 23 of the 29 violations are subject to fine each, for a total penalty amount of $69,000.
Program:	NPDESWW
Latest Milestone Completion Date:	6/30/2006
# Of Programs1:	1
Total Assessment Amount:	69000
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	27000
Liability $ Paid:	0
Project $ Completed:	27000
Total $ Paid/Completed Amount:	69000

---

140 **CLOS PEGASE VINEYARD** **CPS-SLIC** **S101641279**
North **1060 DUNAWEAL LN** **NPDES** **N/A**
1/8-1/4 **CALISTOGA, CA 94559** **WDS**
0.164 mi. **CIWQS**
864 ft. **CERS**

Actual:
348 ft.

Focus Map:
5

SLIC REG 2:

Region:	2
Facility ID:	28S0009
Facility Status:	Leak being confirmed
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	Not reported

CLOS PEGASE VINEYARD (Continued) **S101641279**

Leak Cause: Not reported
Leak Source: Not reported
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

NPDES:

Name:	CLOS PEGASE WINERY
Address:	1060 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Facility Status:	Active
NPDES Number:	CAS000001
Region:	2
Agency Number:	0
Regulatory Measure ID:	448235
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	2 28NEC001516
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/30/2014
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	205 Concourse Blvd
Discharge Name:	Clos Pegase Winery
Discharge City:	Santa Rosa
Discharge State:	California
Discharge Zip:	95403
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	448235
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28NEC001516
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/30/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Clos Pegase Winery

CLOS PEGASE VINEYARD (Continued) **S101641279**

Discharge Address:	205 Concourse Blvd
Discharge City:	Santa Rosa
Discharge State:	California
Discharge Zip:	95403
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported

CLOS PEGASE VINEYARD (Continued) **S101641279**

Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	448235
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28NEC001516
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	11/12/2015
Processed Date:	07/30/2014
Status:	Active
Status Date:	11/12/2015
Place Size:	20
Place Size Unit:	Acres
Contact:	Jason Duval
Contact Title:	Facility Manager
Contact Phone:	707-921-2608
Contact Phone Ext:	Not reported
Contact Email:	jduval@clospegase.com
Operator Name:	Clos Pegase Winery
Operator Address:	205 Concourse Blvd
Operator City:	Santa Rosa
Operator State:	California
Operator Zip:	95403
Operator Contact:	Jason Duval
Operator Contact Title:	Facility Manager
Operator Contact Phone:	408-332-4170
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jduval@clospegase.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported

CLOS PEGASE VINEYARD (Continued) **S101641279**

Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Napa River
Certifier:	JASON DUVAL
Certifier Title:	FACILITIES MANAGER
Certification Date:	04-OCT-16
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	CLOS PEGASE WINERY
Address:	1060 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 28NEC001516
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	11/12/2015
Operator Name:	Clos Pegase Winery
Operator Address:	205 Concourse Blvd
Operator City:	Santa Rosa
Operator State:	California
Operator Zip:	95403

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0

CLOS PEGASE VINEYARD (Continued) **S101641279**

Region:	2
Regulatory Measure ID:	448235
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 28NEC001516
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/30/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Clos Pegase Winery
Discharge Address:	205 Concourse Blvd
Discharge City:	Santa Rosa
Discharge State:	California
Discharge Zip:	95403
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported

CLOS PEGASE VINEYARD (Continued) **S101641279**

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	448235
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 28NEC001516
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	11/12/2015
Processed Date:	07/30/2014
Status:	Active
Status Date:	11/12/2015
Place Size:	20
Place Size Unit:	Acres
Contact:	Jason Duval
Contact Title:	Facility Manager
Contact Phone:	707-921-2608
Contact Phone Ext:	Not reported
Contact Email:	jduval@clospegase.com
Operator Name:	Clos Pegase Winery
Operator Address:	205 Concourse Blvd
Operator City:	Santa Rosa
Operator State:	California
Operator Zip:	95403
Operator Contact:	Jason Duval
Operator Contact Title:	Facility Manager
Operator Contact Phone:	408-332-4170
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jduval@clospegase.com
Operator Type:	Private Business

CLOS PEGASE VINEYARD (Continued) **S101641279**

Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Napa River
Certifier:	JASON DUVAL
Certifier Title:	FACILITIES MANAGER
Certification Date:	04-OCT-16
Primary Sic:	2084-Wines, Brandy, and Brandy Spirits
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	CLOS PEGASE WINERY
Address:	1060 Dunaweal Ln
City:	CALISTOGA
Facility ID:	San Francisco Bay 28I014378
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	7079424981
Facility Contact:	PAUL VAN SLUYTERS
Agency Name:	CLOS PEGASE WINERY
Agency Address:	1060 Dunaweal Ln
Agency City,St,Zip:	Calistoga 945159642

CLOS PEGASE VINEYARD (Continued) **S101641279**

Agency Contact:	PAUL VAN SLUYTERS
Agency Telephone:	7079424981
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	CLOS PEGASE WINERY
Address:	1060 DUNAWEAL LN
City,State,Zip:	CALISTOGA, CA 94515
Agency:	Clos Pegase Winery
Agency Address:	1060 Dunaweal Lane, Calistoga, CA 94515
Place/Project Type:	Industrial - Wines, Brandy, and Brandy Spirits
SIC/NAICS:	2084
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 28I014378
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	07/10/1998
Termination Date:	08/29/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.57192
Longitude:	-122.55428

CLOS PEGASE VINEYARD (Continued) **S101641279**

Name:	CLOS PEGASE WINERY
Address:	1060 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Agency:	Clos Pegase Winery
Agency Address:	205 Concourse Blvd, Santa Rosa, CA 95403
Place/Project Type:	Industrial - Wines, Brandy, and Brandy Spirits
SIC/NAICS:	2084
Region:	2
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	2 28NEC001516
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	07/30/2014
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	38.57234
Longitude:	-122.55513

CERS:

Name:	CLOS PEGASE WINERY
Address:	1060 DUNAWEAL LN
City,State,Zip:	CALISTOGA, CA 94515
Site ID:	106889
CERS ID:	10170801
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	106889
Site Name:	CLOS PEGASE WINERY
Violation Date:	02-19-2014
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 03/20/2014. Observed one Oxygen gas cylinder stored outside next to the chilling tower. This material was not reported in CERS.
Violation Division:	Napa County Department of Environmental Management
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	106889
Site Name:	CLOS PEGASE WINERY
Violation Date:	08-26-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.

CLOS PEGASE VINEYARD (Continued) **S101641279**

Violation Notes: Returned to compliance on 11/16/2016. SITE MAP LACKS HAZARDOUS MATERIALS FOUND DURING INSPECTION. Complete and/or submit an annotated site map that contains: North orientati
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 106889
Site Name: CLOS PEGASE WINERY
Violation Date: 02-19-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Training - General
Violation Notes: Returned to compliance on 03/20/2014. Observed employee training records were not avialable for review.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 106889
Site Name: CLOS PEGASE WINERY
Violation Date: 08-26-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/16/2016. SIX DEWERS OF LIQUID NITROGEN WERE OBSERVED ON SITE BUT ONLY TWO WERE REPORTED. SHOULD INCREASE NITROGEN TO 2100 GALLONS. TWO 37-GALLON CYLINDERS OF OF SULFUROUS ACID (IN BACK OF WINERY BY COMPRESSED GAS STORAGE AREA) AND SIXTY 50-POUND BAGS OF SODIUM CHLORIDE (IN IRRIGATION POND STORAGE SHED) WERE FOUND DURING INSPECTION THAT WERE NOT REPORTED ON CERS. Complete and/or submit hazardous material inventory forms for all reportabl
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ELECTRONIC SIGNATURE WAS NOT CAPTURED AT TIME OF INSPECTION AS JASON DUVAL WAS NOT AVAILABLE.
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

CLOS PEGASE VINEYARD (Continued) **S101641279**

Coordinates:

Site ID:	106889
Facility Name:	CLOS PEGASE WINERY
Env Int Type Code:	HMBP
Program ID:	10170801
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	38.572940
Longitude:	-122.555140

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Britt Moore
Entity Title:	Not reported
Affiliation Address:	1060 DUNAWEAL LANE
Affiliation City:	CALISTOGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94515
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	PAT RONEY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(707) 921-2608

Affiliation Type Desc:	Document Preparer
Entity Name:	JASON DUVAL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417

Affiliation Type Desc:	Legal Owner
Entity Name:	PAT RONEY
Entity Title:	Not reported
Affiliation Address:	205 CONCOURSE BLVD
Affiliation City:	SANTA ROSA

CLOS PEGASE VINEYARD (Continued) **S101641279**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95403
Affiliation Phone:	(707) 836-5000
Affiliation Type Desc:	Parent Corporation
Entity Name:	Vintage Wine Estates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	205 CONCOURSE BLVD
Affiliation City:	SANTA ROSA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95403
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	JASON DUVAL
Entity Title:	FACILITIES MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	PAT RONEY
Entity Title:	Not reported
Affiliation Address:	205 CONCOURSE BLVD
Affiliation City:	SANTA ROSA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95403
Affiliation Phone:	(707) 836-5000

Name:	CLOS PEGASE WINERY
Address:	1060 DUNAWEAL LANE
City,State,Zip:	CALISTOGA, CA 94515
Site ID:	529425
CERS ID:	830726
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	529425
Site Name:	Clos Pegase Winery
Violation Date:	08-15-2015
Citation:	2014-0057-DWQ - Industrial General Permit

CLOS PEGASE VINEYARD (Continued) **S101641279**

Violation Description: SW - Failure to Obtain Permit
Violation Notes: Failure to recertify permit coverage under IGP 2014-0057-DWQ
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 08-17-2016
Violations Found: No
Eval Type: Construction Storm Water Compliance Evaluation
Eval Notes: Drive- by inspection regarding spill complaint. Did not see any discharge off-site. Re-inspect with Napa Co.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Complaint Inspection
Eval Date: 09-01-2016
Violations Found: No
Eval Type: Industrial Storm Water Complaint Inspection
Eval Notes: Walked site with Napa Co. did not see any violations. See photos
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 529425
Site Name: Clos Pegase Winery
Site Address: 1060 DUNAWEAL LANE
Site City: CALISTOGA
Site Zip: 94515
Enf Action Date: 10-30-2015
Enf Action Type: Notice of Non-Compliance for Non-Filers
Enf Action Description: Notice of Non-Compliance for Non-Filers
Enf Action Notes: Failure to recertify permit coverage under IGP 2014-0057-DWQ. Notice Of Intent Not Recertified
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Clos Pegase Winery
Entity Title: Operator
Affiliation Address: 205 Concourse Blvd
Affiliation City: Santa Rosa
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95403
Affiliation Phone: Not reported

141
SSW
1/8-1/4
0.171 mi.
902 ft.

SCHRAMSBERG VINEYARDS LLC
1400 SCHRAMSBERG RD
CALISTOGA, CA 94515

RCRA NonGen / NLR

1025880675
CAP000195347

Actual:
377 ft.

Focus Map:
5

RCRA NonGen / NLR:

Date form received by agency:	2008-12-22 00:00:00.0
Facility name:	SCHRAMSBERG VINEYARDS LLC
Facility address:	1400 SCHRAMSBERG RD CALISTOGA, CA 94515
EPA ID:	CAP000195347
Contact:	REBECCA L GEORGE
Contact address:	1400 SCHRAMSBERG RD CALISTOGA, CA 94515
Contact country:	US
Contact telephone:	707-942-2407
Telephone ext.:	2407
Contact email:	RGEORGE@SCHRAMSBERG.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	FRED ZAMMATARO
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1996-01-01 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	SCHRAMSBERG VINEYARD INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1965-06-01 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

SCHRAMSBERG VINEYARDS LLC (Continued) **1025880675**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2008-09-17 00:00:00.0
Site name: SCHRAMSBERG VINEYARDS LLC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

---

142 **CALTRANS PROPERTY** **LUST** **U001597588**
SW **1684 UNION LN** **UST** **N/A**
1/4-1/2 **NAPA, CA** **SWEEPS UST**
0.273 mi. **HIST UST**
1439 ft. **HIST CORTESE**
CERS

Actual:
539 ft.

Focus Map:
10

NAPA CO. LUST:
Name: GREPPI, LOUIS J
Address: 1684 UNION LN
City,State,Zip: NAPA, CA 94558
Permit ID: 248180
Status: Open
Permit Type: Non-LOP
District: 0

LUST REG 2:
Region: 2
Facility Id: 28-0033
Facility Status: Preliminary site assessment underway
Case Number: 0105
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 5/28/1991
Preliminary Site Assesment Began: 9/17/1991
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CALTRANS PROPERTY (Continued) **U001597588**

LUST:
Name: CALTRANS
Address: 1684 UNION LN
City,State,Zip: NAPA, CA 94558
Lead Agency: NAPA COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605500032
Global Id: T0605500032
Latitude: 38.53159
Longitude: -122.50854
Status: Completed - Case Closed
Status Date: 03/29/2007
Case Worker: JTN
RB Case Number: 28-0033
Local Agency: NAPA COUNTY
File Location: Local Agency
Local Case Number: 0105
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0605500032
Contact Type: Local Agency Caseworker
Contact Name: James Newman, P.G., C.E.G.
Organization Name: NAPA COUNTY
Address: 1195 THIRD STREET, SUITE 101
City: NAPA
Email: james.newman@countyofnapa.org
Phone Number: Not reported

LUST:
Global Id: T0605500032
Action Type: ENFORCEMENT
Date: 02/28/2007
Action: LOP Case Closure Summary to RB

Global Id: T0605500032
Action Type: ENFORCEMENT
Date: 03/29/2007
Action: Closure/No Further Action Letter

Global Id: T0605500032
Action Type: Other
Date: 03/19/1986
Action: Leak Stopped

Global Id: T0605500032
Action Type: REMEDIATION
Date: 06/15/2002
Action: Excavation

Global Id: T0605500032
Action Type: ENFORCEMENT
Date: 01/15/2004
Action: Staff Letter

CALTRANS PROPERTY (Continued) **U001597588**

Global Id: T0605500032
Action Type: Other
Date: 02/20/1990
Action: Leak Reported

Global Id: T0605500032
Action Type: Other
Date: 03/19/1986
Action: Leak Discovery

Global Id: T0605500032
Action Type: ENFORCEMENT
Date: 03/18/1999
Action: Notification - Fee Title Owners Notice

LUST:
Global Id: T0605500032
Status: Open - Case Begin Date
Status Date: 03/19/1986

Global Id: T0605500032
Status: Open - Site Assessment
Status Date: 05/28/1991

Global Id: T0605500032
Status: Open - Site Assessment
Status Date: 09/17/1991

Global Id: T0605500032
Status: Completed - Case Closed
Status Date: 03/29/2007

NAPA CO. UST:
Name: CALTRANS PROPERTY
Address: 1684 UNION LN
City,State,Zip: NAPA
Facility ID: NAPA0105
Permit ID: Not reported
Facility Status: Not reported
Permit Type: Not reported
District: Not reported
Num of Tanks: 0

SWEEPS UST:
Name: LOUIS J. GREPPI
Address: 1684 UNION LN
City: NAPA
Status: Not reported
Comp Number: 64999
Number: Not reported
Board Of Equalization: 44-015485
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

CALTRANS PROPERTY (Continued) **U001597588**

SWRCB Tank Id: 28-000-064999-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 2

Name: LOUIS J. GREPPI
Address: 1684 UNION LN
City: NAPA
Status: Not reported
Comp Number: 64999
Number: Not reported
Board Of Equalization: 44-015485
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 28-000-064999-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

HIST UST:
Name: LOUIS J GREPPI
Address: 1684 UNION LANE
City,State,Zip: NAPA, CA 94558
File Number: 0002AE3F
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AE3F.pdf
Region: STATE
Facility ID: 00000064999
Facility Type: Other
Other Type: TRUCK MAINT/STORAGE
Contact Name: Not reported
Telephone: 7072240303
Owner Name: CAL TRANS
Owner Address: 150 OAK ST.
Owner City,St,Zip: SAN FRANCISCO, CA 94120
Total Tanks: 0002

Tank Num: 001
Container Num: ROSS 11
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: ROSS 11

CALTRANS PROPERTY (Continued) **U001597588**

Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

HIST CORTESE:
edr_fname: CALTRANS
edr_fadd1: 1684 UNION
City,State,Zip: NAPA, CA
Region: CORTESE
Facility County Code: 28
Reg By: LTNKA
Reg Id: 28-0033

CERS:
Name: CALTRANS
Address: 1684 UNION LN
City,State,Zip: NAPA, CA 94558
Site ID: 200292
CERS ID: T0605500032
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: James Newman, P.G., C.E.G. - NAPA COUNTY
Entity Title: Not reported
Affiliation Address: 1195 THIRD STREET, SUITE 101
Affiliation City: NAPA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

X143 **HELEN PASCHICH ESTATE** **LUST** **U001596441**
SE **1078 FULTON LANE** **UST** **N/A**
1/4-1/2 **ST HELENA, CA** **HIST UST**
0.273 mi. **HIST CORTESE**
1444 ft. **Site 1 of 2 in cluster X**

Actual:
256 ft.

Focus Map:
14

LUST REG 2:
Region: 2
Facility Id: 28-0134
Facility Status: Case Closed
Case Number: 0200
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 8/12/1992
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported

HELEN PASCHICH ESTATE (Continued) **U001596441**

Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

NAPA CO. UST:
Name: HELEN PASCHICH ESTATE
Address: 1078 FULTON LANE
City,State,Zip: ST HELENA
Facility ID: NAPA0200
Permit ID: Not reported
Facility Status: Not reported
Permit Type: Not reported
District: Not reported
Num of Tanks: 0

HIST UST:
Name: LJ PASCHICH
Address: 1078 FULTON LANE
City,State,Zip: ST HELENA, CA 94515
File Number: 0002AFCF
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AFCF.pdf
Region: STATE
Facility ID: 00000048591
Facility Type: Other
Other Type: WAREHOUSE
Contact Name: SAME
Telephone: 7079425800
Owner Name: L.J. PASCHICH
Owner Address: 2130 PICKETT RD.
Owner City,St,Zip: CALISTOGA, CA 94515
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

HIST CORTESE:
edr_fname: HELEN PASCHICH ESTATE
edr_fadd1: 1078 FULTON
City,State,Zip: ST HELENA, CA 94574
Region: CORTESE
Facility County Code: 28
Reg By: LTNKA
Reg Id: 28-0134

X144 **PRIVATE RESIDENCE** **LUST** **S110654772**
SE **PRIVATE RESIDENCE** **CERS** **N/A**
1/4-1/2 **ST HELENA, CA 94574**
0.274 mi.
1448 ft. **Site 2 of 2 in cluster X**

Actual:
256 ft.

Focus Map:
14

LUST:

Name:	PRIVATE RESIDENCE
Address:	PRIVATE RESIDENCE
City,State,Zip:	ST HELENA, CA 94574
Lead Agency:	NAPA COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605500123
Global Id:	T0605500123
Latitude:	38.508767
Longitude:	-122.472848
Status:	Completed - Case Closed
Status Date:	12/10/1992
Case Worker:	ZZZ
RB Case Number:	28-0134
Local Agency:	NAPA COUNTY
File Location:	Local Agency
Local Case Number:	0200
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605500123
Contact Type:	Local Agency Caseworker
Contact Name:	UST CASE WORKER
Organization Name:	NAPA COUNTY
Address:	1195 THIRD ST., ROOM 101
City:	NAPA
Email:	Not reported
Phone Number:	7072534269

LUST:

Global Id:	T0605500123
Action Type:	Other
Date:	08/23/1989
Action:	Leak Stopped
Global Id:	T0605500123
Action Type:	Other
Date:	04/09/1990
Action:	Leak Reported
Global Id:	T0605500123
Action Type:	Other
Date:	08/23/1989
Action:	Leak Discovery

LUST:

Global Id:	T0605500123
Status:	Open - Case Begin Date
Status Date:	08/23/1989
Global Id:	T0605500123

PRIVATE RESIDENCE (Continued) **S110654772**

Status: Open - Site Assessment
Status Date: 08/12/1992

Global Id: T0605500123
Status: Completed - Case Closed
Status Date: 12/10/1992

CERS:
Name: PRIVATE RESIDENCE
Address: PRIVATE RESIDENCE
City,State,Zip: ST HELENA, CA 94574
Site ID: 199470
CERS ID: T0605500123
CERS Description: Leaking Underground Storage Tank Cleanup Site

Coordinates:
Site ID: 199470
Facility Name: PRIVATE RESIDENCE
Env Int Type Code: LUSTCS
Program ID: T0605500016
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 38.501008
Longitude: -122.463145

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: James Newman, P.G., C.E.G. - NAPA COUNTY
Entity Title: Not reported
Affiliation Address: 1195 THIRD STREET, SUITE 101
Affiliation City: NAPA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: UST CASE WORKER - NAPA COUNTY
Entity Title: Not reported
Affiliation Address: 1195 THIRD ST., ROOM 101
Affiliation City: NAPA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7072534269

Name: PRIVATE RESIDENCE
Address: PRIVATE RESIDENCE
City,State,Zip: ST HELENA, CA 94574
Site ID: 199470
CERS ID: T0605500016
CERS Description: Leaking Underground Storage Tank Cleanup Site

Coordinates:
Site ID: 199470

PRIVATE RESIDENCE (Continued) **S110654772**

Facility Name:	PRIVATE RESIDENCE
Env Int Type Code:	LUSTCS
Program ID:	T0605500016
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	38.501008
Longitude:	-122.463145

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	James Newman, P.G., C.E.G. - NAPA COUNTY
Entity Title:	Not reported
Affiliation Address:	1195 THIRD STREET, SUITE 101
Affiliation City:	NAPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	UST CASE WORKER - NAPA COUNTY
Entity Title:	Not reported
Affiliation Address:	1195 THIRD ST., ROOM 101
Affiliation City:	NAPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7072534269

---

145 **ABRUZZINI PROPERTY** **LUST** **S104162284**
ESE **1030 FULTON LN** **CPS-SLIC** **N/A**
1/4-1/2 **ST HELENA, CA 94574** **HIST CORTESE**
0.289 mi. **CERS**
1527 ft.

Actual:
252 ft.

Focus Map:
14

LUST REG 2:

Region:	2
Facility Id:	28-0002
Facility Status:	Case Closed
Case Number:	0018
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	6/19/1990
Preliminary Site Assesment Began:	8/8/1990
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

LUST:

Name:	ABRUZZINI PROPERTY
Address:	1030 FULTON LN
City,State,Zip:	ST HELENA, CA 94574

ABRUZZINI PROPERTY (Continued) **S104162284**

Lead Agency:	NAPA COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605500001
Global Id:	T0605500001
Latitude:	38.509196
Longitude:	-122.472079
Status:	Completed - Case Closed
Status Date:	05/15/1992
Case Worker:	ZZZ
RB Case Number:	28-0002
Local Agency:	NAPA COUNTY
File Location:	Local Agency
Local Case Number:	0018
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605500001
Contact Type:	Local Agency Caseworker
Contact Name:	UST CASE WORKER
Organization Name:	NAPA COUNTY
Address:	1195 THIRD ST., ROOM 101
City:	NAPA
Email:	Not reported
Phone Number:	7072534269

LUST:

Global Id:	T0605500001
Action Type:	Other
Date:	04/02/1987
Action:	Leak Stopped

Global Id:	T0605500001
Action Type:	Other
Date:	04/02/1987
Action:	Leak Reported

Global Id:	T0605500001
Action Type:	Other
Date:	04/02/1987
Action:	Leak Discovery

LUST:

Global Id:	T0605500001
Status:	Open - Case Begin Date
Status Date:	04/02/1987

Global Id:	T0605500001
Status:	Open - Site Assessment
Status Date:	06/19/1990

Global Id:	T0605500001
Status:	Open - Site Assessment
Status Date:	08/08/1990

Global Id:	T0605500001

ABRUZZINI PROPERTY (Continued) **S104162284**

Status: Completed - Case Closed
Status Date: 05/15/1992

CPS-SLIC:
Name: 1030 FULTON LANE
Address: 1030 FULTON LANE
City,State,Zip: ST HELENA, CA 94574
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 05/23/2012
Global Id: T10000002584
Lead Agency: NAPA COUNTY
Lead Agency Case Number: E 5870
Latitude: 38.509236
Longitude: -122.472078
Case Type: Cleanup Program Site
Case Worker: JTN
Local Agency: NAPA COUNTY
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply, Contaminated Surface / Structure, Soil
Potential Contaminants of Concern: Lead, Crude Oil, Diesel, Gasoline, Heating Oil / Fuel Oil
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
edr_fname: ABRUZZINI PROPERTY
edr_fadd1: 1030 FULTON
City,State,Zip: ST HELENA, CA
Region: CORTESE
Facility County Code: 28
Reg By: LTNKA
Reg Id: 28-0002

CERS:
Name: ABRUZZINI PROPERTY
Address: 1030 FULTON LN
City,State,Zip: ST HELENA, CA 94574
Site ID: 261068
CERS ID: T0605500001
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: UST CASE WORKER - NAPA COUNTY
Entity Title: Not reported
Affiliation Address: 1195 THIRD ST., ROOM 101
Affiliation City: NAPA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7072534269

ABRUZZINI PROPERTY (Continued) **S104162284**

Name: 1030 FULTON LANE
Address: 1030 FULTON LANE
City,State,Zip: ST HELENA, CA 94574
Site ID: 206777
CERS ID: T10000002584
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: James Newman, P.G., C.E.G. - NAPA COUNTY
Entity Title: Not reported
Affiliation Address: 1195 THIRD STREET, SUITE 101
Affiliation City: NAPA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Y146 **JAEGER, WILLIAM AND CYNTHIA** **LUST** **S106929698**
SSE **1665 SPRING MOUNTAIN RD** **SWEEPS UST** **N/A**
1/4-1/2 **ST. HELENA, CA 94574**
0.403 mi.
2126 ft. **Site 1 of 2 in cluster Y**

Actual:
286 ft.

Focus Map:
15

NAPA CO. LUST:
Name: JAEGER, WILLIAM AND CYNTHIA
Address: 1665 SPRING MOUNTAIN RD
City,State,Zip: ST. HELENA, CA 94574
Permit ID: 248181
Status: Closed
Permit Type: Non-LOP
District: 0

SWEEPS UST:
Name: MRS. LEO KELLER
Address: 1665 SPRING MOUNTAIN RD
City: SAINT HELENA
Status: Not reported
Comp Number: 41043
Number: Not reported
Board Of Equalization: 44-015431
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 28-000-041043-000001
Tank Status: Not reported
Capacity: 265
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

Y147 **JAEGER PROPERTY** **LUST** **S104165861**
SSE **1665 SPRING MOUNTAIN RD** **HIST CORTESE** **N/A**
1/4-1/2 **ST HELENA, CA 94574** **CERS**
0.403 mi.
2126 ft. **Site 2 of 2 in cluster Y**

Actual:
286 ft.

Focus Map:
15

LUST REG 2:

Region:	2
Facility Id:	28-0079
Facility Status:	Case Closed
Case Number:	28-0079
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

LUST:

Name:	JAEGER PROPERTY
Address:	1665 SPRING MOUNTAIN RD
City,State,Zip:	ST HELENA, CA 94574
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605500072
Global Id:	T0605500072
Latitude:	38.504615
Longitude:	-122.476785
Status:	Completed - Case Closed
Status Date:	10/06/1995
Case Worker:	UUU
RB Case Number:	28-0079
Local Agency:	NAPA COUNTY
File Location:	Not reported
Local Case Number:	28-0079
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605500072
Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	Not reported
Phone Number:	Not reported

Global Id:	T0605500072
Contact Type:	Local Agency Caseworker
Contact Name:	UST CASE WORKER
Organization Name:	NAPA COUNTY
Address:	1195 THIRD ST., ROOM 101

JAEGER PROPERTY (Continued) **S104165861**

City: NAPA
Email: Not reported
Phone Number: 7072534269

LUST:
Global Id: T0605500072
Action Type: ENFORCEMENT
Date: 10/12/1995
Action: Closure/No Further Action Letter

Global Id: T0605500072
Action Type: Other
Date: 03/23/1989
Action: Leak Stopped

Global Id: T0605500072
Action Type: Other
Date: 03/23/1989
Action: Leak Reported

Global Id: T0605500072
Action Type: Other
Date: 03/23/1989
Action: Leak Discovery

LUST:
Global Id: T0605500072
Status: Open - Case Begin Date
Status Date: 03/23/1989

Global Id: T0605500072
Status: Completed - Case Closed
Status Date: 10/06/1995

HIST CORTESE:
edr_fname: JAEGER PROPERTY
edr_fadd1: 1665 SPRING MOUNTAIN
City,State,Zip: ST HELENA, CA 94574
Region: CORTESE
Facility County Code: 28
Reg By: LTNKA
Reg Id: 28-0079

CERS:
Name: JAEGER PROPERTY
Address: 1665 SPRING MOUNTAIN RD
City,State,Zip: ST HELENA, CA 94574
Site ID: 238645
CERS ID: T0605500072
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported

JAEGER PROPERTY (Continued) **S104165861**

Affiliation Address:	1515 CLAY ST SUITE 1400
Affiliation City:	OAKLAND
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	UST CASE WORKER - NAPA COUNTY
Entity Title:	Not reported
Affiliation Address:	1195 THIRD ST., ROOM 101
Affiliation City:	NAPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7072534269

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148 **SILVERADO SERVICE CENTER** **LUST** **S104162286**
ENE **1199 BIG TREE RD** **HIST CORTESE** **N/A**
1/4-1/2 **ST HELENA, CA 94574** **CERS**
0.416 mi.
2195 ft.

Actual:
260 ft.

Focus Map:
10

LUST REG 2:

Region:	2
Facility Id:	28-0157
Facility Status:	Case Closed
Case Number:	0191
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	4/24/1992
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	8/6/1992
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

LUST:

Name:	SILVERADO SERVICE CENTER
Address:	1199 BIG TREE RD
City,State,Zip:	ST HELENA, CA 94574
Lead Agency:	NAPA COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605500141
Global Id:	T0605500141
Latitude:	38.5479709
Longitude:	-122.510606
Status:	Completed - Case Closed
Status Date:	05/20/1996
Case Worker:	JTN
RB Case Number:	28-0157
Local Agency:	NAPA COUNTY
File Location:	Local Agency

SILVERADO SERVICE CENTER (Continued) **S104162286**

Local Case Number: 0191
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0605500141
Contact Type: Local Agency Caseworker
Contact Name: James Newman, P.G., C.E.G.
Organization Name: NAPA COUNTY
Address: 1195 THIRD STREET, SUITE 101
City: NAPA
Email: james.newman@countyofnapa.org
Phone Number: Not reported

LUST:
Global Id: T0605500141
Action Type: Other
Date: 12/13/1991
Action: Leak Stopped

Global Id: T0605500141
Action Type: Other
Date: 12/13/1991
Action: Leak Reported

Global Id: T0605500141
Action Type: Other
Date: 12/13/1991
Action: Leak Discovery

LUST:
Global Id: T0605500141
Status: Open - Case Begin Date
Status Date: 12/13/1991

Global Id: T0605500141
Status: Open - Site Assessment
Status Date: 04/24/1992

Global Id: T0605500141
Status: Open - Site Assessment
Status Date: 08/06/1992

Global Id: T0605500141
Status: Completed - Case Closed
Status Date: 05/20/1996

HIST CORTESE:
edr_fname: SILVERADO SERVICE CENTER
edr_fadd1: 1199 BIG TREE
City,State,Zip: ST HELENA, CA 94574
Region: CORTESE
Facility County Code: 28
Reg By: LTNKA

SILVERADO SERVICE CENTER (Continued) **S104162286**

Reg Id: 28-0157

CERS:
Name: SILVERADO SERVICE CENTER
Address: 1199 BIG TREE RD
City,State,Zip: ST HELENA, CA 94574
Site ID: 194912
CERS ID: T0605500141
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: James Newman, P.G., C.E.G. - NAPA COUNTY
Entity Title: Not reported
Affiliation Address: 1195 THIRD STREET, SUITE 101
Affiliation City: NAPA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Z149 **PG&E SITE** **LUST** **S110419446**
ENE **3101 SILVERADO TRL** **CHMIRS** **N/A**
1/4-1/2 **ST. HELENA, CA 94574**
0.430 mi.
2270 ft. **Site 1 of 2 in cluster Z**

Actual:
270 ft.

Focus Map:
11

NAPA CO. LUST:
Name: PG&E SITE
Address: 3101 SILVERADO TRL
City,State,Zip: ST. HELENA, CA 94574
Permit ID: 9957
Status: Closed
Permit Type: Non-LOP
District: 3

CHMIRS:
Name: Not reported
Address: 3101 SILVERADO TRAIL
City,State,Zip: SAINT HELENA, CA 94574
OES Incident Number: 08-0922
OES notification: 01/30/2008
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported

PG&E SITE (Continued) **S110419446**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2330
Year:	2008
Agency:	NRC
Incident Date:	1/16/2008
Admin Agency:	Napa County Dept. Environmental Mgmt
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Transformer Mineral Oil
Quantity Released:	82
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	*** HISTORICAL *** Quoting the NRC report, "The caller reported that due to strong winds a power pole with three transformers fell onto the ground causing material to be discharged into the envireonement." Under REMEDIAL ACTIONS the report states, "Clean-up under way, contractor has been hired, soil samples were taken."

Z150
ENE
1/4-1/2
0.430 mi.
2270 ft.

3101 SILVERADO TRAIL
3101 SILVERADO TRL
ST. HELENA, CA 95476

Site 2 of 2 in cluster Z

Database(s): LUST
EDR ID Number: S119102639
EPA ID Number: N/A

Actual:
270 ft.

Focus Map:
11

NAPA CO. LUST:

Name:	3101 SILVERADO TRAIL
Address:	3101 SILVERADO TRL
City,State,Zip:	ST. HELENA, CA 95476
Permit ID:	248533
Status:	Open
Permit Type:	Non-LOP
District:	0

151
West
1/4-1/2
0.445 mi.
2352 ft.

VINEYARD- 4500 ST. HELENA HWY
4500 ST. HELNA HWY
CALISTOGA, CA

Database(s): LUST
EDR ID Number: S119102575
EPA ID Number: N/A

Actual:
339 ft.

Focus Map:
4

NAPA CO. LUST:

Name:	VINEYARD- 4500 ST. HELENA HWY
Address:	4500 ST. HELNA HWY
City,State,Zip:	CALISTOGA, CA
Permit ID:	248345
Status:	Closed
Permit Type:	Non-LOP
District:	0

152
SE
1/4-1/2
0.455 mi.
2401 ft.

ST HELENA POLICE DEPARTMENT
1480 MAIN ST
ST HELENA, CA 94574

Database(s): LUST, ENF, HIST CORTESE, CIWQS, CERS
EDR ID Number: S102438003
EPA ID Number: N/A

Actual:
258 ft.

Focus Map:
16

LUST REG 2:

Region:	2
Facility Id:	28-0210
Facility Status:	Case Closed
Case Number:	0398
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	Tank
Date Leak Confirmed:	8/20/1996
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

LUST:

Name:	ST HELENA POLICE DEPARTMENT
Address:	1480 MAIN ST
City,State,Zip:	ST HELENA, CA 94574
Lead Agency:	NAPA COUNTY

ST HELENA POLICE DEPARTMENT (Continued) **S102438003**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605500189
Global Id:	T0605500189
Latitude:	38.506568
Longitude:	-122.471426
Status:	Completed - Case Closed
Status Date:	11/04/2003
Case Worker:	ZZZ
RB Case Number:	28-0210
Local Agency:	NAPA COUNTY
File Location:	Local Agency
Local Case Number:	0398
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0605500189
Contact Type:	Local Agency Caseworker
Contact Name:	UST CASE WORKER
Organization Name:	NAPA COUNTY
Address:	1195 THIRD ST., ROOM 101
City:	NAPA
Email:	Not reported
Phone Number:	7072534269

LUST:

Global Id:	T0605500189
Action Type:	Other
Date:	06/07/1991
Action:	Leak Stopped
Global Id:	T0605500189
Action Type:	REMEDIATION
Date:	02/15/1992
Action:	Excavation
Global Id:	T0605500189
Action Type:	Other
Date:	05/20/1991
Action:	Leak Reported
Global Id:	T0605500189
Action Type:	ENFORCEMENT
Date:	11/04/2003
Action:	Closure/No Further Action Letter
Global Id:	T0605500189
Action Type:	ENFORCEMENT
Date:	10/27/2003
Action:	File review
Global Id:	T0605500189
Action Type:	Other
Date:	06/07/1991
Action:	Leak Discovery

ST HELENA POLICE DEPARTMENT (Continued) **S102438003**

LUST:

Global Id:	T0605500189
Status:	Open - Case Begin Date
Status Date:	05/20/1991
Global Id:	T0605500189
Status:	Open - Site Assessment
Status Date:	08/20/1996
Global Id:	T0605500189
Status:	Completed - Case Closed
Status Date:	11/04/2003

ENF:

Name:	ST. HELENA, CITY OF, CS
Address:	1480 MAIN STREET
City,State,Zip:	ST. HELENA, CA 94574
Region:	2
Facility Id:	631038
Agency Name:	St. Helena City
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNISML
Program Category1:	SSO
Program Category2:	SSO
# Of Programs:	1
WDID:	2SSO10197
Reg Measure Id:	300362

ST HELENA POLICE DEPARTMENT (Continued) **S102438003**

Reg Measure Type:	Enrollee
Region:	2
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	872
Status:	Active
Status Date:	11/17/2006
Effective Date:	11/17/2006
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	415745
Region:	2
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	08/14/2017
Adoption/Issuance Date:	08/14/2017
Achieve Date:	Not reported
Termination Date:	08/16/2017
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 08/14/2017 for St. Helena City
Description:	Not reported
Program:	SSOMUNISML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ST. HELENA, CITY OF, CS
Address:	1480 MAIN STREET
City,State,Zip:	ST. HELENA, CA 94574
Region:	2
Facility Id:	631038
Agency Name:	St. Helena City
Place Type:	Utility
Place Subtype:	Collection_System

ST HELENA POLICE DEPARTMENT (Continued) **S102438003**

Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNISML
Program Category1:	SSO
Program Category2:	SSO
# Of Programs:	1
WDID:	2SSO10197
Reg Measure Id:	300362
Reg Measure Type:	Enrollee
Region:	2
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	872
Status:	Active
Status Date:	11/17/2006
Effective Date:	11/17/2006
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)

ST HELENA POLICE DEPARTMENT (Continued) **S102438003**

Direction/Voice:	Passive
Enforcement Id(EID):	388023
Region:	2
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	04/10/2012
Adoption/Issuance Date:	04/10/2012
Achieve Date:	Not reported
Termination Date:	05/16/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 10-APR-12 for ST. HELENA CITY
Description:	Failure to complete, approve, and certify any of the required Sewer System Management Plan (SSMP) elements in CIWQS on time.
Program:	SSOMUNISML
Latest Milestone Completion Date:	5/16/2012
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	ST HELENA POLICE DEPARTME
edr_fadd1:	1480 MAIN
City,State,Zip:	ST HELENA, CA 94574
Region:	CORTESE
Facility County Code:	28
Reg By:	LTNKA
Reg Id:	28-0210

CIWQS:

Name:	ST. HELENA, CITY OF, CS
Address:	1480 MAIN STREET
City,State,Zip:	ST. HELENA, CA 94574
Agency:	St. Helena City
Agency Address:	1480 Main Street, St. Helena, CA 94574
Place/Project Type:	Collection_System
SIC/NAICS:	Not reported
Region:	2
Program:	SSOMUNISML
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee
Order Number:	2006-0003-DWQ
WDID:	2SSO10197
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	11/17/2006
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported

ST HELENA POLICE DEPARTMENT (Continued) **S102438003**

Major/Minor:	Minor
Complexity:	C
TTWQ:	3
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	Not reported
Longitude:	Not reported

Name:	ST. HELENA, CITY OF
Address:	1480 MAIN STREET
City,State,Zip:	ST. HELENA, CA 94574
Agency:	St. Helena City
Agency Address:	1480 Main Street, St. Helena, CA 94574
Place/Project Type:	Dredge/Fill Site
SIC/NAICS:	Not reported
Region:	2
Program:	CERFILLEXC
Regulatory Measure Status:	Historical
Regulatory Measure Type:	401 Certification
Order Number:	Not reported
WDID:	C-28-007
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	Not reported
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.506009
Longitude:	-122.47163

CERS:

Name:	ST HELENA POLICE DEPARTMENT
Address:	1480 MAIN ST
City,State,Zip:	ST HELENA, CA 94574
Site ID:	208408
CERS ID:	T0605500189
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	UST CASE WORKER - NAPA COUNTY
Entity Title:	Not reported
Affiliation Address:	1195 THIRD ST., ROOM 101
Affiliation City:	NAPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7072534269

Name:	ST. HELENA, CITY OF
Address:	1480 MAIN STREET

ST HELENA POLICE DEPARTMENT (Continued) **S102438003**

City,State,Zip:	ST. HELENA, CA 94574
Site ID:	327783
CERS ID:	261935
CERS Description:	Wetlands - Fill and Dredge Material

153
SE
1/2-1
0.726 mi.
3833 ft.

KLASS CLEANERS
1141 MAIN ST
SAINT HELENA, CA 94574

ENVIROSTOR **S113035050**
VCP **N/A**
CERS HAZ WASTE
HAZNET
CERS

Actual:
239 ft.

Focus Map:
16

ENVIROSTOR:

Name:	KLASS CLEANERS
Address:	1141 MAIN STREET
City,State,Zip:	ST. HELENA, CA 94574
Facility ID:	60002699
Status:	Active
Status Date:	08/08/2018
Site Code:	202194
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.31
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Lance Mcmahan
Supervisor:	Noel Shrum
Division Branch:	Cleanup Sacramento
Assembly:	04
Senate:	03
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	38.50317
Longitude:	-122.4680
APN:	009-261-017, 009261017000
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE Acetone Chloroform Benzene
Confirmed COC:	Benzene Tetrachloroethylene (PCE Trichloroethylene (TCE Acetone Chloroform
Potential Description:	AQUI, IA, SOIL, SV
Alias Name:	009-261-017
Alias Type:	APN
Alias Name:	009261017000
Alias Type:	APN
Alias Name:	202194
Alias Type:	Project Code (Site Code)
Alias Name:	60002699
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/29/2019
Comments:	Not reported

KLASS CLEANERS (Continued) **S113035050**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/29/2019
Comments: Both Projet Coordinators named Azad Kaligi of GeoForward the Project Geologist.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/18/2019
Comments: DTSC forwarded the Order to Azad Kaligi on 4/18/2019, who was designated as the Project Engineer/Geologist on 4/26/2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/09/2019
Comments: The communication plan is on pages 3-5 of the presentation materials provided on May 9, 2019, by GeoForward.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2019
Comments: GeoForward submitted the April 2019 Monthly Summary Report on May 10, 2019. DTSC provided a summary of the expected content the same day.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/19/2019
Comments: Not reported

Completed Area Name: Project Management
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/22/2019
Comments: Not reported

Completed Area Name: Project Management
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/12/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 06/29/2018
Comments: Nancy Merha, owner of Klass Cleaners, submitted a Request for Agency Oversight Application.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/09/2018

KLASS CLEANERS (Continued) **S113035050**

Comments:	A detection of tetrachloroethylene (PCE) of 700,000 ug/m3 in the sub-slab is in excess of human-health based risk criteria. The DTSC Vapor Intrusion Guidance states that an attenuation factor of 0.05 should be applied to sub-slab detections in order to model potential indoor air concentrations within the structure. Performing this calculation results in an estimated indoor air concentration of 35,000 ug/m3 for PCE. The human health screening level for indoor air of a commercial/industrial scenario is 2 ug/m3 (Source DTSC HHRA Note 3/OEHHA). The resulting risk to human health is approximately 1.75 x 10-2 which is greater than 1x10-4, the US EPA threshold for a forced remedial action.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	08/17/2018
Comments:	Napa County prepared and delivered a notice to businesses near Klass Cleaners.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/06/2018
Comments:	DTSC does not concur with the conclusions of the document that there were no concerns regarding VOCs in the Klass Cleaners.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	05/09/2019
Comments:	DTSC met with representatives of the Klass Cleaners site for Task 4, Site Remediation Strategy Meeting for Workplan Scoping.
Completed Area Name:	OU-1, 1141 Main Street
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	06/18/2019
Comments:	Not reported
Completed Area Name:	OU-1, 1141 Main Street
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	07/30/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order
Completed Date:	04/10/2019
Comments:	The Consent Order provides the framework for investigation and remediation of releases at Klass Cleaners. The Effective Date of the Consent Order is April 10, 2019.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/10/2018

KLASS CLEANERS (Continued) **S113035050**

Comments:	DTSC notified Napa County Board of Supervisors and Public Health Officer of the PCE release at Klass Cleaners.
Future Area Name:	OU-1, 1141 Main Street
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Workplan
Future Due Date:	2020
Future Area Name:	OU-1, 1141 Main Street
Future Sub Area Name:	Not reported
Future Document Type:	Public Participation Plan / Community Relations Plan
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Investigation / Feasibility Study
Future Due Date:	2020
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	KLASS CLEANERS
Address:	1141 MAIN STREET
City,State,Zip:	ST. HELENA, CA 94574
Facility ID:	60002699
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.31
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Lance Mcmahan
Supervisor:	Noel Shrum
Division Branch:	Cleanup Sacramento
Site Code:	202194
Assembly:	04
Senate:	03
Special Programs Code:	Not reported
Status:	Active
Status Date:	08/08/2018
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	38.50317 / -122.4680
APN:	009-261-017, 009261017000
Past Use:	DRY CLEANING
Potential COC:	30022, 30027, 30032, 30136, 30003
Confirmed COC:	30003,30022,30027,30032,30136
Potential Description:	AQUI, IA, SOIL, SV
Alias Name:	009-261-017
Alias Type:	APN
Alias Name:	009261017000
Alias Type:	APN
Alias Name:	202194
Alias Type:	Project Code (Site Code)

KLASS CLEANERS (Continued) **S113035050**

Alias Name: 60002699
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/29/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/29/2019
Comments: Both Projet Coordinators named Azad Kaligi of GeoForward the Project Geologist.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/18/2019
Comments: DTSC forwarded the Order to Azad Kaligi on 4/18/2019, who was designated as the Project Engineer/Geologist on 4/26/2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/09/2019
Comments: The communication plan is on pages 3-5 of the presentation materials provided on May 9, 2019, by GeoForward.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/10/2019
Comments: GeoForward submitted the April 2019 Monthly Summary Report on May 10, 2019. DTSC provided a summary of the expected content the same day.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/19/2019
Comments: Not reported

Completed Area Name: Project Management
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/22/2019
Comments: Not reported

Completed Area Name: Project Management
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/12/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

KLASS CLEANERS (Continued) **S113035050**

Completed Document Type: Application
Completed Date: 06/29/2018
Comments: Nancy Merha, owner of Klass Cleaners, submitted a Request for Agency Oversight Application.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/09/2018
Comments: A detection of tetrachloroethylene (PCE) of 700,000 ug/m3 in the sub-slab is in excess of human-health based risk criteria. The DTSC Vapor Intrusion Guidance states that an attenuation factor of 0.05 should be applied to sub-slab detections in order to model potential indoor air concentrations within the structure. Performing this calculation results in an estimated indoor air concentration of 35,000 ug/m3 for PCE. The human health screening level for indoor air of a commercial/industrial scenario is 2 ug/m3 (Source DTSC HHRA Note 3/OEHHA). The resulting risk to human health is approximately 1.75 x 10-2 which is greater than 1x10-4, the US EPA threshold for a forced remedial action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/17/2018
Comments: Napa County prepared and delivered a notice to businesses near Klass Cleaners.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/06/2018
Comments: DTSC does not concur with the conclusions of the document that there were no concerns regarding VOCs in the Klass Cleaners.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/09/2019
Comments: DTSC met with representatives of the Klass Cleaners site for Task 4, Site Remediation Strategy Meeting for Workplan Scoping.

Completed Area Name: OU-1, 1141 Main Street
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/18/2019
Comments: Not reported

Completed Area Name: OU-1, 1141 Main Street
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order

KLASS CLEANERS (Continued) **S113035050**

Completed Date: 04/10/2019
Comments: The Consent Order provides the framework for investigation and remediation of releases at Klass Cleaners. The Effective Date of the Consent Order is April 10, 2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/10/2018
Comments: DTSC notified Napa County Board of Supervisors and Public Health Officer of the PCE release at Klass Cleaners.

Future Area Name: OU-1, 1141 Main Street
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2020
Future Area Name: OU-1, 1141 Main Street
Future Sub Area Name: Not reported
Future Document Type: Public Participation Plan / Community Relations Plan
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation / Feasibility Study
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS HAZ WASTE:
Name: KLASS CLEANERS
Address: 1141 MAIN ST
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 128085
CERS ID: 10171389
CERS Description: Hazardous Waste Generator

HAZNET:
Name: KLASS CLEANERS
Address: 1141 MAIN ST
Address 2: Not reported
City,State,Zip: SAINT HELENA, CA 945742014
Year: 1996
Gepaid: CAL000034531
Contact: NANCY MERHA
Telephone: 7073223152
Mailing Name: Not reported
Mailing Address: 1141 MAIN ST
Gen County: 28
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID: CAT000613943
TSD County: 49
Disposal Method: Transfer Station
Tons: 1.17

KLASS CLEANERS (Continued) **S113035050**

Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	1993
Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	CAT000613943
TSD County:	49
Disposal Method:	Transfer Station
Tons:	0.465

Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	1993
Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	CAT000613943
TSD County:	49
Disposal Method:	Not reported
Tons:	0.135

Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	2014
Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	TXD077603371
TSD County:	99
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1

Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	1994

KLASS CLEANERS (Continued) **S113035050**

Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	CAT000613943
TSD County:	49
Disposal Method:	Not reported
Tons:	0.2025

Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	1994
Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	CAT000613943
TSD County:	49
Disposal Method:	Transfer Station
Tons:	0.7275

Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	1998
Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	CA0000084517
TSD County:	34
Disposal Method:	Transfer Station
Tons:	1.17

Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	2007
Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28

KLASS CLEANERS (Continued) **S113035050**

Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	CA0000084517
TSD County:	34
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.37
Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	2003
Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	CA0000084517
TSD County:	34
Disposal Method:	Not reported
Tons:	Not reported
Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	2003
Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	CA0000084517
TSD County:	34
Disposal Method:	Transfer Station
Tons:	0.055

Click this hyperlink while viewing on your computer to access
17 additional CA HAZNET: record(s) in the EDR Site Report.

Name:	KLASS CLEANERS
Address:	1141 MAIN ST
Address 2:	Not reported
City,State,Zip:	SAINT HELENA, CA 945742014
Year:	2013
Gepaid:	CAL000034531
Contact:	NANCY MERHA
Telephone:	7073223152
Mailing Name:	Not reported
Mailing Address:	1141 MAIN ST
Gen County:	28
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
TSD EPA ID:	CA0000084517

KLASS CLEANERS (Continued) **S113035050**

TSD County: 34
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.375

Click this hyperlink while viewing on your computer to access
17 additional CA HAZNET: record(s) in the EDR Site Report.

CERS:
Name: KLASS CLEANERS
Address: 1141 MAIN ST
City,State,Zip: SAINT HELENA, CA 94574
Site ID: 128085
CERS ID: 10171389
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 128085
Site Name: KLASS CLEANERS
Violation Date: 03-18-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 04/07/2016. EMPLOYEE TRAINING RECORDS FOR HAZARDOUS MATERIALS FROM LAST THREE YEARS WERE NOT AVAILABLE FOR VERIFICATION AT TIME OF INSPECTION. Include and submit provisions in the business plan to ensure that appropriate personnel receive initial and annual training.
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 128085
Site Name: KLASS CLEANERS
Violation Date: 08-28-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/28/2019. 55 gallon drum of used solvent located by the dry clean machine was observed without an accumulation start date. Corrected on site using date from last hazardous waste pickup. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Site ID: 128085
Site Name: KLASS CLEANERS
Violation Date: 03-18-2016

KLASS CLEANERS (Continued) **S113035050**

Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/20/2016. HMBP NOT SUBMITTED ON CERS FOR CURRENT YEAR 2016. Complete and/or electronically submit a Hazardous Materials Business Plan t
Violation Division: Napa County Department of Environmental Management
Violation Program: HMRRP
Violation Source: CERS

Site ID: 128085
Site Name: KLASS CLEANERS
Violation Date: 03-18-2016
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 04/07/2016. EMPLOYEE TRAINING RECORDS FOR HAZARDOUS WASTES COULD NOT BE DEMONSTRATED AT TIME OF INSPECTION. Immediately provide training to all employees who handle hazardous waste and submit a copy of the training records to the CUPA by [date, 30 days from now].
Violation Division: Napa County Department of Environmental Management
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-28-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CERS/Employee training documentation up to date.
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-28-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

KLASS CLEANERS (Continued) **S113035050**

Eval Date: 03-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Napa County Department of Environmental Management
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Parent Corporation
Entity Name: KLASS CLEANERS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Heidi De Young
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1141 Main St.
Affiliation City: St. Helena
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94574
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Nancy Merha
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Jesus Cortez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

KLASS CLEANERS (Continued) **S113035050**

Affiliation Phone:	(707) 963-2811
Affiliation Type Desc:	CUPA District
Entity Name:	Napa County Env Mgmt
Entity Title:	Not reported
Affiliation Address:	1195 Third Street, Suite 210
Affiliation City:	Napa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94559
Affiliation Phone:	(707) 253-4417
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jesus Cortez
Entity Title:	Not reported
Affiliation Address:	1141 Main St
Affiliation City:	St. Helena
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94574
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Nancy Merha
Entity Title:	Not reported
Affiliation Address:	1141 Main ST
Affiliation City:	SAINT HELENA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94574
Affiliation Phone:	(707) 258-0828

AA154 **PG AND E ST HELENA** **EDR MGP** **1008407746**
SE **MITCHELL DR AND OAK AVENUE** **N/A**
1/2-1 **SAINT HELENA, CA 94574**
0.816 mi.
4307 ft. **Site 1 of 2 in cluster AA**

Actual:
231 ft.

Focus Map:
16

Manufactured Gas Plants:

Pacific Gas and Electric Company's (PG AND E's) 1-acre property was formerly the location of a Manufactured Gas Plant (MGP). The MGP operated from between 1883 and 1930.

AA155 **PG&E ST. HELENA** **ENVIROSTOR** **S107737029**
SE **1301-1302 MITCHELL DRIVE** **VCP** **N/A**
1/2-1 **ST. HELENA, CA 94574** **DEED**
0.820 mi.
4330 ft. **Site 2 of 2 in cluster AA**

Actual:
229 ft.

Focus Map:
16

ENVIROSTOR:

Name:	PG&E ST. HELENA
Address:	1301-1302 MITCHELL DRIVE
City,State,Zip:	ST. HELENA, CA 94574
Facility ID:	28490002
Status:	Certified / Operation & Maintenance
Status Date:	07/18/2017
Site Code:	200257
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.75
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 2 - San Francisco Bay, NAPA COUNTY
Lead Agency:	SMBRP
Program Manager:	Lynn Nakashima
Supervisor:	Janet Naito
Division Branch:	Cleanup Berkeley
Assembly:	04
Senate:	03
Special Program:	Voluntary Cleanup Program
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	38.50216
Longitude:	-122.4670
APN:	009263005000
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	Arsenic Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Ethylbenzene Toluene Xylenes
Confirmed COC:	Arsenic Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Ethylbenzene Toluene Xylenes
Potential Description:	OTH, SOIL
Alias Name:	TOWN GAS PLANT- SAINT HELENA #1
Alias Type:	Alternate Name
Alias Name:	009263005000
Alias Type:	APN
Alias Name:	110033611125
Alias Type:	EPA (FRS #)
Alias Name:	SL0605518541
Alias Type:	GeoTracker Global ID
Alias Name:	200257
Alias Type:	Project Code (Site Code)
Alias Name:	28490002
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/21/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

PG&E ST. HELENA (Continued) **S107737029**

Completed Document Type: Monitoring Report
Completed Date: 03/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/05/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 09/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 05/05/2014
Comments: Work notice for remedial action implementation for removing about 42,00o cubic yards of contaminated soil and disposal offsite.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/10/2015
Comments: DTSC approved groundwater monitoring program with the following minor revision. The groundwater wells will be developed after a minimum of 72 hours after construction.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/27/2015
Comments: DTSC has no comments on the first 2015 semiannual groundwater monitoring report post remediation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE

PG&E ST. HELENA (Continued) **S107737029**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/09/2016
Comments: Semiannual groundwater monitoring report with no significant change in concentration trend.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/14/2017
Comments: Post-remediation groundwater sampling results are consistent with previous results. The next sampling event will be performed in May 2017. Groundwater monitoring will continue through 2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/08/2018
Comments: Report includes results of groundwater sampling in May and November 2017 and annual compliance inspection in November 2017. PG&E needs to resample 2 wells no later than November 2018. Wells could not be sampled due to access issues.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/13/2018
Comments: Groundwater monitoring event.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2019
Comments: Report provides results of November 2018 groundwater sampling and annual compliance inspection. Report incorporates DTSC requested revisions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/22/1987
Comments: Completed Site Screening. Results of site investigations indicate that site soils contain elevated levels of arsenic, polycyclic aromatic hydrocarbons (PAHs), total extractable petroleum hydrocarbons, and total petroleum hydrocarbons as gasoline (TPH-g). Groundwater samples detected elevated concentrations of benzene, TPH-g, and PAHs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/20/2007
Comments: Remedial Action Plan approved. Site remedy includes combination of excavation, dual-phase extraction and treatment, natural attenuation, and site management plans.

Completed Area Name: PROJECT WIDE

PG&E ST. HELENA (Continued) **S107737029**

Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/08/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/25/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/23/2005
Comments: Sampling to refine boundaries of remedial areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/10/2006
Comments: Approved report detailing additional investigation of soil beneath Mitchell Drive, soil on the MPP, and soil on the main project site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/17/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/05/2006
Comments: Fact sheet summarizes results of site investigations, cleanup goals, and cleanup recommendations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/04/1987
Comments: Site setting and historical uses identified. Twelve surface soil samples collected. Polycyclic aromatic hydrocarbon (PAH), lead, and arsenic levels quantified. Mercury and cyanide not detected.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/29/1991
Comments: Site investigation indicated the presence of polycyclic aromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs) from historic gas manufacturing activities. Total petroleum hydrocarbons were also detected. Risk assessment identified direct exposure to surface soil as the only plausible exposure pathway at the Site. Site determined to be secured and unoccupied. Further subsurface investigation and capping recommended.

PG&E ST. HELENA (Continued) **S107737029**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 07/01/2000
Comments: Site-specific plan for worker safety in accordance with federal and state regulations. Establishes personal protective equipment, site control, decontamination, and emergency response procedures for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/11/2004
Comments: Approved supplemental remedial investigation. Report concluded that soil impacts extend to 30 feet below ground surface, while PAHs are present in groundwater to 65 feet bgs. Lateral and vertical migration of contaminants is limited by low permeability soils. Contaminants were not observed in nearby Sulphur Creek.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 01/10/2005
Comments: Approved report of phase one pilot testing and work plan for phase two testing. Phase one testing included five-day dual phase extraction, bench-scale testing of chemical oxidation of contaminants in soil, and analysis of field data for indications of biodegradation. Phase Two testing to include dual-phase extraction with ethanol-enhanced recovery of NAPL.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/01/2005
Comments: Approved groundwater monitoring report. Analytical results for contaminants in perched groundwater were generally consistent with historic results. Contaminant concentrations in groundwater zones A, B, and C were generally higher than historic results. No arsenic or PAHs were detected in surface water.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/19/2001
Comments: Approved the site risk assessment report which concluded that PAHs, arsenic, and benzene are the primary COCs at the site. Potential exposure pathways were determined to be extraction of shallow groundwater and construction activities involving disruption of soils and/or groundwater. Impacts on Sulfur Creek were determined to be within acceptable limits, as COCs in shallow groundwater were determined to be present at concentrations below ecological screening levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/30/1991

PG&E ST. HELENA (Continued) **S107737029**

Comments:	Community profile submitted to assist in identifying distribution points for Preliminary Endangerment Assessment.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Feasibility Study Workplan
Completed Date:	07/20/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	08/01/2006
Comments:	Installation of monitoring and extraction wells completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	12/04/2006
Comments:	Public notice finalized to announce public comment period.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Manual
Completed Date:	08/01/2008
Comments:	DTSC approved the Operation and Maintenance Manual for operation of the dual-phase extraction and treatment system.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Participation Plan / Community Relations Plan
Completed Date:	10/23/2006
Comments:	Public Participation Plan completed detailing community interests and concerns regarding site cleanup. Anticipated future public participation activities also described.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Completion Report
Completed Date:	01/18/2007
Comments:	Approved well installation report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	04/23/2008
Comments:	DTSC approved the Remedial Action Completion Report and no further action for soil cleanup.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	06/09/2015
Comments:	DTSC approved final Remedial Action Completion Report. Approximately 4,820 cubic yards of contaminated soil was removed from the Site and disposed to permitted landfills.

PG&E ST. HELENA (Continued) **S107737029**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/11/2007
Comments: Groundwater elevation data observed to reflect operation of dual-phase extraction and treatment system for May/June sampling event. Concentrations of contaminants of concern consistent with those previously reported.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 06/11/2007
Comments: Approved destruction of MW-3, MW-4 and MW-5. Plan details the procedure to be followed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/06/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/17/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/23/2008
Comments: Approved first half 2008 O&M Report. The Report presents the results of the May 2008 sampling of groundwater monitoring wells and documents the operation of the dual-phase extraction system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report

PG&E ST. HELENA (Continued) **S107737029**

Completed Date: 12/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/16/2011
Comments: Report was accepted. There are no changes.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/25/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 03/06/2017
Comments: O&M Plan with soil and groundwater management plan for the former MGP and Mitchell Drive right-of-ways.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 01/13/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 12/17/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/28/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/16/2014
Comments: Field remediation work completed with site restored and new fence.

PG&E ST. HELENA (Continued) **S107737029**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/13/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/20/2007
Comments: Final CEQA Negative Declaration approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/23/2006
Comments: Provision for submittal of electronic documents added to cleanup agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/07/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/18/1996
Comments: Signed Agreement with PG&E.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/14/2008
Comments: DTSC annual oversight cost estimate to PRPs per HSC 25269.5.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PG&E ST. HELENA (Continued) **S107737029**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2009
Comments: DTSC cost estimate sent 9/29/2009

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/12/2011
Comments: Sent out annual cost estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2013
Comments: Annual Oversight Cost Estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 05/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/23/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/13/2016
Comments: Not reported

PG&E ST. HELENA (Continued) **S107737029**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/03/2017
Comments: Letter affirming cost estimate submitted by PG&E and request to submit mechanism demonstrating financial assurance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/03/2017
Comments: Letter informs PG&E of name of new project manager

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/15/2017
Comments: FY 17/18 oversight cost estimate.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: PG&E ST. HELENA
Address: 1301-1302 MITCHELL DRIVE
City,State,Zip: ST. HELENA, CA 94574
Facility ID: 28490002
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.75
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 2 - San Francisco Bay, NAPA COUNTY
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Lynn Nakashima
Supervisor: Janet Naito
Division Branch: Cleanup Berkeley
Site Code: 200257
Assembly: 04
Senate: 03
Special Programs Code: Voluntary Cleanup Program
Status: Certified / Operation & Maintenance
Status Date: 07/18/2017
Restricted Use: YES
Funding: Responsible Party

PG&E ST. HELENA (Continued) **S107737029**

Lat/Long:	38.50216 / -122.4670
APN:	009263005000
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	30001, 30003, 30013, 30019, 30024, 30025, 30272, 30550, 30593
Confirmed COC:	30001,30003,30013,30019,30024,30025,30272,30550,30593
Potential Description:	OTH, SOIL
Alias Name:	TOWN GAS PLANT- SAINT HELENA #1
Alias Type:	Alternate Name
Alias Name:	009263005000
Alias Type:	APN
Alias Name:	110033611125
Alias Type:	EPA (FRS #)
Alias Name:	SL0605518541
Alias Type:	GeoTracker Global ID
Alias Name:	200257
Alias Type:	Project Code (Site Code)
Alias Name:	28490002
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/21/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/26/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	09/04/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/05/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	09/04/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Work Notice
Completed Date:	05/05/2014
Comments:	Work notice for remedial action implementation for removing about 42,00o cubic yards of contaminated soil and disposal offsite.
Completed Area Name:	PROJECT WIDE

PG&E ST. HELENA (Continued) **S107737029**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/10/2015
Comments: DTSC approved groundwater monitoring program with the following minor revision. The groundwater wells will be developed after a minimum of 72 hours after construction.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/27/2015
Comments: DTSC has no comments on the first 2015 semiannual groundwater monitoring report post remediation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/09/2016
Comments: Semiannual groundwater monitoring report with no significant change in concentration trend.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/14/2017
Comments: Post-remediation groundwater sampling results are consistent with previous results. The next sampling event will be performed in May 2017. Groundwater monitoring will continue through 2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/08/2018
Comments: Report includes results of groundwater sampling in May and November 2017 and annual compliance inspection in November 2017. PG&E needs to resample 2 wells no later than November 2018. Wells could not be sampled due to access issues.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/13/2018
Comments: Groundwater monitoring event.

Completed Area Name: PROJECT WIDE

PG&E ST. HELENA (Continued) **S107737029**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/31/2019
Comments: Report provides results of November 2018 groundwater sampling and annual compliance inspection. Report incorporates DTSC requested revisions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/22/1987
Comments: Completed Site Screening. Results of site investigations indicate that site soils contain elevated levels of arsenic, polycyclic aromatic hydrocarbons (PAHs), total extractable petroleum hydrocarbons, and total petroleum hydrocarbons as gasoline (TPH-g). Groundwater samples detected elevated concentrations of benzene, TPH-g, and PAHs.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/20/2007
Comments: Remedial Action Plan approved. Site remedy includes combination of excavation, dual-phase extraction and treatment, natural attenuation, and site management plans.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/08/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/25/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/23/2005
Comments: Sampling to refine boundaries of remedial areas.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/10/2006
Comments: Approved report detailing additional investigation of soil beneath Mitchell Drive, soil on the MPP, and soil on the main project site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/17/2008
Comments: Not reported

PG&E ST. HELENA (Continued) **S107737029**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/05/2006
Comments: Fact sheet summarizes results of site investigations, cleanup goals, and cleanup recommendations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/04/1987
Comments: Site setting and historical uses identified. Twelve surface soil samples collected. Polycyclic aromatic hydrocarbon (PAH), lead, and arsenic levels quantified. Mercury and cyanide not detected.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/29/1991
Comments: Site investigation indicated the presence of polycyclic aromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs) from historic gas manufacturing activities. Total petroleum hydrocarbons were also detected. Risk assessment identified direct exposure to surface soil as the only plausible exposure pathway at the Site. Site determined to be secured and unoccupied. Further subsurface investigation and capping recommended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 07/01/2000
Comments: Site-specific plan for worker safety in accordance with federal and state regulations. Establishes personal protective equipment, site control, decontamination, and emergency response procedures for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/11/2004
Comments: Approved supplemental remedial investigation. Report concluded that soil impacts extend to 30 feet below ground surface, while PAHs are present in groundwater to 65 feet bgs. Lateral and vertical migration of contaminants is limited by low permeability soils. Contaminants were not observed in nearby Sulphur Creek.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 01/10/2005
Comments: Approved report of phase one pilot testing and work plan for phase two testing. Phase one testing included five-day dual phase extraction, bench-scale testing of chemical oxidation of contaminants in soil, and analysis of field data for indications of biodegradation. Phase Two testing to include dual-phase extraction with ethanol-enhanced recovery of NAPL.

PG&E ST. HELENA (Continued) **S107737029**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/01/2005
Comments: Approved groundwater monitoring report. Analytical results for contaminants in perched groundwater were generally consistent with historic results. Contaminant concentrations in groundwater zones A, B, and C were generally higher than historic results. No arsenic or PAHs were detected in surface water.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/19/2001
Comments: Approved the site risk assessment report which concluded that PAHs, arsenic, and benzene are the primary COCs at the site. Potential exposure pathways were determined to be extraction of shallow groundwater and construction activities involving disruption of soils and/or groundwater. Impacts on Sulfur Creek were determined to be within acceptable limits, as COCs in shallow groundwater were determined to be present at concentrations below ecological screening levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/30/1991
Comments: Community profile submitted to assist in identifying distribution points for Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Workplan
Completed Date: 07/20/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/01/2006
Comments: Installation of monitoring and extraction wells completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/04/2006
Comments: Public notice finalized to announce public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Manual
Completed Date: 08/01/2008
Comments: DTSC approved the Operation and Maintenance Manual for operation of the dual-phase extraction and treatment system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PG&E ST. HELENA (Continued) **S107737029**

Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 10/23/2006
Comments: Public Participation Plan completed detailing community interests and concerns regarding site cleanup. Anticipated future public participation activities also described.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 01/18/2007
Comments: Approved well installation report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/23/2008
Comments: DTSC approved the Remedial Action Completion Report and no further action for soil cleanup.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 06/09/2015
Comments: DTSC approved final Remedial Action Completion Report. Approximately 4,820 cubic yards of contaminated soil was removed from the Site and disposed to permitted landfills.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/11/2007
Comments: Groundwater elevation data observed to reflect operation of dual-phase extraction and treatment system for May/June sampling event. Concentrations of contaminants of concern consistent with those previously reported.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 06/11/2007
Comments: Approved destruction of MW-3, MW-4 and MW-5. Plan details the procedure to be followed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/06/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PG&E ST. HELENA (Continued) **S107737029**

Completed Document Type: Operations and Maintenance Report
Completed Date: 06/17/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/23/2008
Comments: Approved first half 2008 O&M Report. The Report presents the results of the May 2008 sampling of groundwater monitoring wells and documents the operation of the dual-phase extraction system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/16/2011
Comments: Report was accepted. There are no changes.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/25/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 04/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan

PG&E ST. HELENA (Continued) **S107737029**

Completed Date: 03/06/2017
Comments: O&M Plan with soil and groundwater management plan for the former MGP and Mitchell Drive right-of-ways.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 01/13/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 12/17/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/28/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/16/2014
Comments: Field remediation work completed with site restored and new fence.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/13/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/20/2007
Comments: Final CEQA Negative Declaration approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/21/2017
Comments: Not reported

PG&E ST. HELENA (Continued) **S107737029**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/23/2006
Comments: Provision for submittal of electronic documents added to cleanup agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/07/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/18/1996
Comments: Signed Agreement with PG&E.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/14/2008
Comments: DTSC annual oversight cost estimate to PRPs per HSC 25269.5.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2009
Comments: DTSC cost estimate sent 9/29/2009

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/12/2011
Comments: Sent out annual cost estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2013
Comments: Annual Oversight Cost Estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PG&E ST. HELENA (Continued) **S107737029**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 05/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/23/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/27/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/03/2017
Comments: Letter affirming cost estimate submitted by PG&E and request to submit mechanism demonstrating financial assurance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/03/2017
Comments: Letter informs PG&E of name of new project manager

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/15/2017
Comments: FY 17/18 oversight cost estimate.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

PG&E ST. HELENA (Continued) **S107737029**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: PG&E ST. HELENA
Address: 1301-1302 MITCHELL DRIVE
City,State,Zip: ST. HELENA, CA 94574
Envirostor ID: 28490002
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

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156 **ST HELENA PETROLEUM** **ENVIROSTOR** **S104025320**
SE **905 MAIN ST** **LUST** **N/A**
1/2-1 **ST HELENA, CA 94574** **HIST CORTESE**
0.946 mi. **CERS**
4997 ft.

Actual:
228 ft.

Focus Map:
16

ENVIROSTOR:
Name: NAPA VALLEY PETROLEUM
Address: 905 MAIN STREET
City,State,Zip: SAINT HELENA, CA 94574
Facility ID: 28290001
Status: Refer: Other Agency
Status Date: 02/18/1988
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 04
Senate: 03
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.50126
Longitude: -122.4648
APN: 009180008000
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 009180008000
Alias Type: APN
Alias Name: 28290001

ST HELENA PETROLEUM (Continued) **S104025320**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/28/1988
Comments: SITE SCREENING DONE BASED ON DRIVE-BY AND SIC PAL REQUIRED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/18/1988
Comments: FACILITY IDENTIFIED DHS DRIVE-BY GROUND PHOTOS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/22/1988
Comments: FACILITY IDENTIFIED NAPA ENVR HLTH-PROP 65- UNAUTHORIZED UNDERGROUND TANK RELEASE

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 2:
Region: 2
Facility Id: 28-0117
Facility Status: Case Closed
Case Number: 0145
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 3/4/1987
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 3/3/1992
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST:
Name: ST HELENA PETROLEUM
Address: 905 MAIN ST
City,State,Zip: ST HELENA, CA 94574
Lead Agency: NAPA COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605500109
Global Id: T0605500109

ST HELENA PETROLEUM (Continued) **S104025320**

Latitude: 38.501259
Longitude: -122.464849
Status: Completed - Case Closed
Status Date: 05/29/1997
Case Worker: JTN
RB Case Number: 28-0117
Local Agency: NAPA COUNTY
File Location: Local Agency
Local Case Number: 0145
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0605500109
Contact Type: Local Agency Caseworker
Contact Name: James Newman, P.G., C.E.G.
Organization Name: NAPA COUNTY
Address: 1195 THIRD STREET, SUITE 101
City: NAPA
Email: james.newman@countyofnapa.org
Phone Number: Not reported

LUST:
Global Id: T0605500109
Action Type: Other
Date: 02/27/1990
Action: Leak Stopped

Global Id: T0605500109
Action Type: Other
Date: 02/23/1990
Action: Leak Reported

Global Id: T0605500109
Action Type: ENFORCEMENT
Date: 04/04/1990
Action: * Historical Enforcement

Global Id: T0605500109
Action Type: Other
Date: 02/27/1990
Action: Leak Discovery

LUST:
Global Id: T0605500109
Status: Open - Case Begin Date
Status Date: 03/04/1987

Global Id: T0605500109
Status: Open - Site Assessment
Status Date: 03/04/1987

Global Id: T0605500109
Status: Open - Site Assessment
Status Date: 03/03/1992

ST HELENA PETROLEUM (Continued) **S104025320**

Global Id: T0605500109
Status: Completed - Case Closed
Status Date: 05/29/1997

HIST CORTESE:
edr_fname: ST HELENA PETROLEUM
edr_fadd1: 905 MAIN
City,State,Zip: ST HELENA, CA 94574
Region: CORTESE
Facility County Code: 28
Reg By: LTNKA
Reg Id: 28-0117

CERS:
Name: ST HELENA PETROLEUM
Address: 905 MAIN ST
City,State,Zip: ST HELENA, CA 94574
Site ID: 235469
CERS ID: T0605500109
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: James Newman, P.G., C.E.G. - NAPA COUNTY
Entity Title: Not reported
Affiliation Address: 1195 THIRD STREET, SUITE 101
Affiliation City: NAPA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Count: 67 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CALISTOGA	S119000157		CLOS PEGASE WINERY - 1060 DUNAWEAL LN	94515	CHMIRS
CALISTOGA	1024857604	AT&T MOBILITY	1 MT SAINT HELENA RD	94515	RCRA NonGen / NLR
CALISTOGA	1016434631	HEITZ BROTHERS VINEYARDS	SAINT HELENA HWY S	94515	FINDS
CALISTOGA	1016718679	AT&T MOBILITY - ST HELENA (13007)	1 MOUNT SAINT HELENA RD	94515	FINDS
CALISTOGA	1024636059	AT&T MOBILITY	1 MT SAINT HELENA RD	94515	FINDS, ECHO
CALISTOGA	1023341480	PANEC VINEYARDS	3440 SAINT HELENA HWY	94515	FINDS
CALISTOGA	S116288182	AT & T/AT&T SERVICES	MT SAINT HELENA ROAD	94515	EMI
CALISTOGA	S110501502	AT & T /AT&T SERVICES	MT SAINT HELENA ROAD	94515	EMI
CALISTOGA	S111212947	MT. ST. HELENA SOUTH	4955 NAPA CO. RD		ENF
CALISTOGA	S112959657	DANIEL O DAVIS	1901 LARKMEAD RD	94515	HAZNET
CALISTOGA	S112989443	CALTRANS D-4/ EA04-4C1404	NAPA HWY 29 NB/SB	94515	HAZNET
CALISTOGA	S121674932	SOLARI ESTATE VINEYARDS	LARKMEAD LANE	94515	CIWQS
NAPA COUNTY	8716436		BROADWAY AVE./1/4 MI OF NAPA/		ERNS
NAPA COUNTY	S106390491		FLOWING DOWN THE NAPA RIVE, PRESENTLY LOCATED 200 YDS NO. TRANCAS ST.		CHMIRS
NAPA COUNTY	M300006783	SYAR INDUSTRIES	NAPA QUARRY		US MINES
NAPA COUNTY	S125341919	HARVEST INN EXPANSION	ONE MAIN ST	94574	CIWQS
NAPA COUNTY	S121624529	BRADLEY BLDG	801 MAIN STREET		CIWQS
NAPA COUNTY	S125341845	NAPA AIRPORT CENTRE UNIT 1	NAPA AIRPORT CENTRE UNIT 1		CIWQS
OAKVILLE	A100418461	CARDINALE ESTATE	7600 SAINT HELENA HWY	94562	AST
OAKVILLE	S119782757		7900 SAINT HELENA HIGHWAY	94562	CHMIRS
OAKVILLE	1024816542	FN VITICULTURE, LLC	8164 SAINT HELENA HIGHWAY	94562	RCRA NonGen / NLR
OAKVILLE	1016429194	SUTTER HOME WINERY (OAKVILLE)	7481 SAINT HELENA HWY	94562	FINDS
OAKVILLE	1023697992	OPUS ONE WINERY	7900 SAINT HELENA HIGHWAY	94562	FINDS, ECHO
OAKVILLE	1016420369	TURNBULL WINE CELLARS	8210 SAINT HELENA HWY	94562	FINDS
OAKVILLE	1023325126	SULLENGER VINEYARD	8164 SAINT HELENA HWY	94562	FINDS
OAKVILLE	1024679628	FN VITICULTURE, LLC	8164 SAINT HELENA HIGHWAY	94562	FINDS, ECHO
OAKVILLE	S120990040	OAKVILLE PUMP SERVICE	7855 SAINT HELENA HWY	94562	HAZNET
OAKVILLE	S123816578	CONSTELLATION BRANDS US OPERATIONS INC DBA ROBERT M	7801 SAINT HELENA HWY	94562	HAZNET
OAKVILLE	S121631678	COURTYARD LANDSCAPE PLAN	8164 SAINT HELENA HWY	94562	CIWQS
RUTHERFORD	A100417593	BEAULIEU VINEYARD	1960 SAINT HELENA HWY	94573	AST
RUTHERFORD	1016785256	GRGICH HILLS	1829 SAINT HELENA HWY S	94573	FINDS
RUTHERFORD	1023697991	PEJU PROVINCE WINERY	8466 SAINT HELENA HWY	94573	FINDS, ECHO
RUTHERFORD	1024390047	TREASURY WINE ESTATES HOLDINGS INC.	1960 S. SAINT HELENA HWY	94573	FINDS
RUTHERFORD	1023289754	PEJU PROVINCE	8466 SAINT HELENA HWY	94573	FINDS
RUTHERFORD	S124454680	COPPER CANE	1960 SAINT HELENA HWY	94573	EMI
RUTHERFORD	S112917127	GRGICH HILLS SELLER	1829 SAINT HELENA HWY	94573	HAZNET
RUTHERFORD	S112849627	WALSH VINYARD MANAGEMENT	8215 SAINT HELENA HWY	94573	HAZNET
RUTHERFORD	S123720367	1X CAKEBREAD, JACK	8300 NAPA CALISTOGA RD	94573	HAZNET
SAINT HELENA	S123298407		LODI LANE CROSS OF HIGHWAY 29	94574	CHMIRS
SAINT HELENA	S120833054		HWY 29 X YORK	94574	CHMIRS
SAINT HELENA	S114001731		AT LODI LANE BRIDGE, DUCKHORN WINERY	94574	CHMIRS

Count: 67 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAINT HELENA	S109044019		ON LODI LANE NEAR DEER PARK ROAD		CHMIRS
SAINT HELENA	S120832707		YORK CREEK, SPRING MOUNTAIN ROAD AND DEAN YORK		CHMIRS
SAINT HELENA	S109042622		HWY 29 JSO BIG TREE RD		CHMIRS
SAINT HELENA	S105885465		POPE ST / NAPA RIVER		CHMIRS
SAINT HELENA	S124450105		3535 SAINT HELENA HWY		CHMIRS
SAINT HELENA	1024766350	VINELAND STATION	643 & 645 MAIN ST.	94574	RCRA NonGen / NLR
SAINT HELENA	1024766347	VINELAND STATION	643 & 645 MAIN ST.	94574	RCRA NonGen / NLR
SAINT HELENA	1025871247		1975 SAINT HELENA HWY	94574	RCRA NonGen / NLR
SAINT HELENA	1024840549	TRINCHERO NAPA VALLEY	3070 N SAINT HELENA HWY	94574	RCRA NonGen / NLR
SAINT HELENA	1016435887	MITCHELL VINEYARD MANAGEMENT	PRATT AVE	94574	FINDS
SAINT HELENA	1024651135	VINELAND STATION	643 & 645 MAIN ST.	94574	FINDS, ECHO
SAINT HELENA	1024625329	TRINCHERO NAPA VALLEY	3070 N SAINT HELENA HWY	94574	FINDS, ECHO
SAINT HELENA	1023231480	VILLA AMOROSA	3999 SAINT HELENA HWY N	94574	FINDS
SAINT HELENA	1025910700	HARLAN ESTATE WINERY	1975 SAINT HELENA HWY	94574	ECHO
SAINT HELENA	S124454430	PROVENANCE VINEYARDS	1695 SAINT HELENA HIGHWAY	94574	EMI
SAINT HELENA	S112956035	CALTRANS DIST 4/CONSTR/EA04-128474	HWY 29 PM 29.3-32.8 FROM YORK CK TO	94574	HAZNET
SAINT HELENA	S113178121	NAPA RTE 29 DRAINAGE IMPROVEMENT	RTE 29 FROM YORK CREEK TO BOLE LANE	94574	HAZNET
SAINT HELENA	S112889411	HENDRICK SMEDING	1371 & 1375 MAIN ST	94574	HAZNET
SAINT HELENA	S113124901	BALLENTINE RANCHES	2820 SAINT HELENA	94574	HAZNET
SAINT HELENA	S112941262	FREEMARK ABBY WINERY	3022 N SAINT HELENA HWY	94574	HAZNET
SAINT HELENA	S123710833	1X WHITEHALL LANE WINERY	1563 SAINT HELENA HWY	94574	HAZNET
SAINT HELENA	S118234023	TRINCHERO NAPA VALLEY	3070 N SAINT HELENA HWY	94574	HAZNET
ST HELENA	1009398291	NAPA RTE 29 DRAINAGE IMPROVEMENT	RTE 29 FROM YORK CREEK TO	94574	RCRA-LQG
ST HELENA	1009455814	NAPA RTE 29 DRAINAGE IMPROVEMENT	RTE 29 FROM YORK CREEK TO	94574	FINDS, ECHO
ST. HELENA	1023368616	NEXTEL CELL SITE CA0539	MT. SAINT HELENA - SOUTH PEAK	94574	FINDS
ST. HELENA	S123724365	1X UNITED STATES POSTAL SERVICES	ST. HELENA MAIN POST OFFICE	94574	HAZNET

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Quarterly

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

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

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent NPL

CA RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

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

CA SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 57

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

CA LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

CA LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

CA LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

CA LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

CA LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

CA LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

CA LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

CA LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

CA LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

CA LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

CA LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

CA CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

CA SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

CA SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

CA SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

CA SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

CA SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

CA SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

CA SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

CA SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

CA SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

State and tribal registered storage tank lists

CA UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Semi-Annually

CA MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

CA VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

State and tribal Brownfields sites

CA BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: No Update Planned

CA SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 59

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

CA HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

CA HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

CA SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/07/2020
Number of Days to Update: 70
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CA CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

CA CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

CA TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Quarterly

CA PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

CA SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Annually

CA HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

Local Land Records

CA LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Semi-Annually

CA DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Semi-Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/06/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

Records of Emergency Release Reports

CA CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 58

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Semi-Annually

CA LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

CA MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

CA SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/09/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/08/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/06/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 78

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 10/09/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 72

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

US AIRS (AFS): Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US MINES: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US MINES 2: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 37

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 12/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 10/06/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 83

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Quarterly

Other Ascertainable Records

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 43

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

CA CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

CA CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 10/31/2019
Date Data Arrived at EDR: 11/01/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 40

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

CA DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/28/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

CA DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 09/27/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

CA DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 62

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Annually

CA EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 03/29/2020
Data Release Frequency: Varies

CA ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/22/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 66

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

CA Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

CA Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/08/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 57

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

CA HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

CA ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 65

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Quarterly

CA HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Quarterly

CA HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/07/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

CA MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

CA MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

CA NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Quarterly

CA PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

CA PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

CA NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/16/2019
Date Data Arrived at EDR: 09/18/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: No Update Planned

CA UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 11/18/2019
Number of Days to Update: 90

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region’s active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: No Update Planned

CA WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: No Update Planned

CA MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

CA CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

CA CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/21/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/22/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

CA NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

CA WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

CA RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 10/03/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 51

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/05/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/03/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/23/2019
Date Made Active in Reports: 10/22/2019
Number of Days to Update: 60

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 43

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/12/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 49

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/08/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 62

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/13/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 70

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 10/30/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 11/05/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 64

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/08/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/26/2019
Date Data Arrived at EDR: 10/04/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 34

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 57

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/14/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/20/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 71

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/14/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: No Update Planned

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/27/2020
Number of Days to Update: 68

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 44

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 08/21/2019
Date Data Arrived at EDR: 09/03/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 58

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 42

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/09/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 61

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 11/05/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/05/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 61
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64
Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/06/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/23/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/07/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/08/2019
Number of Days to Update: 38
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/23/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/16/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: No Update Planned

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/05/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 65

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: No Update Planned

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 11/01/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 68

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 08/28/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 36

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 09/03/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 64

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 64

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: No Update Planned

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: No Update Planned

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 51

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/10/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/25/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 30

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 63

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

STREET AND ADDRESS INFORMATION

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